

# Videocard Benchmarks

Over 1,000,000 Video Cards Benchmarked

## Video Card List

Below is an alphabetical list of all Video Card types that appear in the charts. Clicking on a specific Video Card will take you to the chart it appears in and will highlight it for you.

### Single Video Card

  
**Find Videocard**

| Videocard Name                      | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|-------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">Radeon RX 6900 XT</a>   | 25992                                   | 1                         | <a href="#">10.19</a>                 | <a href="#">\$2,549.99</a>  |
| <a href="#">GeForce RTX 3090</a>    | 25749                                   | 2                         | <a href="#">10.96</a>                 | <a href="#">\$2,349.99*</a> |
| <a href="#">RTX A5000</a>           | 24590                                   | 3                         | NA                                    | NA                          |
| <a href="#">GeForce RTX 3080</a>    | 24342                                   | 4                         | <a href="#">27.05</a>                 | <a href="#">\$899.99*</a>   |
| <a href="#">Radeon RX 6800 XT</a>   | 23619                                   | 5                         | <a href="#">12.34</a>                 | <a href="#">\$1,913.49</a>  |
| <a href="#">RTX A6000</a>           | 22502                                   | 6                         | NA                                    | NA                          |
| <a href="#">GeForce RTX 3070</a>    | 21787                                   | 7                         | <a href="#">27.23</a>                 | <a href="#">\$799.99</a>    |
| <a href="#">GeForce RTX 2080 Ti</a> | 21686                                   | 8                         | <a href="#">9.07</a>                  | <a href="#">\$2,389.99</a>  |
| <a href="#">Radeon RX 6800</a>      | 20795                                   | 9                         | <a href="#">11.55</a>                 | <a href="#">\$1,799.99</a>  |
| <a href="#">RX6800 XT</a>           | 20700                                   | 10                        | NA                                    | NA                          |
| <a href="#">TITAN RTX</a>           | 19868                                   | 11                        | <a href="#">7.95</a>                  | <a href="#">\$2,499.00*</a> |
| <a href="#">Quadro RTX 6000</a>     | 19823                                   | 12                        | <a href="#">3.15</a>                  | <a href="#">\$6,300.00*</a> |
| <a href="#">GeForce RTX 3060 Ti</a> | 19695                                   | 13                        | 38.62                                 | \$509.99                    |

| Videocard Name                                           | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|----------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼                 |                                         |                           |                                       |                             |
| <a href="#">TITAN V</a>                                  | 19377                                   | 10                        | <a href="#">5.12</a>                  | <a href="#">\$3,390.00</a>  |
| <a href="#">Radeon RX 6700 XT</a>                        | 18714                                   | 17                        | <a href="#">14.46</a>                 | <a href="#">\$1,293.98</a>  |
| <a href="#">GeForce RTX 2080</a>                         | 18597                                   | 18                        | <a href="#">18.60</a>                 | <a href="#">\$999.99</a>    |
| <a href="#">TITAN Xp</a>                                 | 18584                                   | 19                        | NA                                    | NA                          |
| <a href="#">NVIDIA TITAN Xp</a>                          | 18280                                   | 20                        | <a href="#">10.21</a>                 | <a href="#">\$1,790.00</a>  |
| <a href="#">GeForce RTX 2070 SUPER</a>                   | 18118                                   | 21                        | <a href="#">15.36</a>                 | <a href="#">\$1,179.99</a>  |
| <a href="#">GeForce GTX 1080 Ti</a>                      | 17996                                   | 22                        | <a href="#">16.36</a>                 | <a href="#">\$1,099.99</a>  |
| <a href="#">TITAN Xp COLLECTORS EDITION</a>              | 17860                                   | 23                        | NA                                    | NA                          |
| <a href="#">Radeon Pro VII</a>                           | 17404                                   | 24                        | NA                                    | NA                          |
| <a href="#">Radeon VII</a>                               | 17052                                   | 25                        | <a href="#">7.26</a>                  | <a href="#">\$2,349.99*</a> |
| <a href="#">TITAN V CEO Edition</a>                      | 16987                                   | 26                        | NA                                    | NA                          |
| <a href="#">Radeon RX 5700 XT</a>                        | 16827                                   | 27                        | <a href="#">10.14</a>                 | <a href="#">\$1,659.98</a>  |
| <a href="#">Radeon RX 5700 XT 50th Anniversary</a>       | 16744                                   | 28                        | NA                                    | NA                          |
| <a href="#">GeForce RTX 3060</a>                         | 16650                                   | 29                        | <a href="#">50.61</a>                 | <a href="#">\$329.00*</a>   |
| <a href="#">Quadro P6000</a>                             | 16508                                   | 30                        | <a href="#">5.08</a>                  | <a href="#">\$3,250.00</a>  |
| <a href="#">GeForce RTX 2060 SUPER</a>                   | 16458                                   | 31                        | <a href="#">14.96</a>                 | <a href="#">\$1,099.99</a>  |
| <a href="#">Quadro RTX 5000</a>                          | 16455                                   | 32                        | NA                                    | NA                          |
| <a href="#">Tesla V100-SXM2-16GB</a>                     | 16235                                   | 33                        | NA                                    | NA                          |
| <a href="#">GeForce RTX 2070</a>                         | 16107                                   | 34                        | <a href="#">15.64</a>                 | <a href="#">\$1,029.99</a>  |
| <a href="#">Quadro GP100</a>                             | 15548                                   | 35                        | NA                                    | NA                          |
| <a href="#">RTX A4000</a>                                | 15511                                   | 36                        | NA                                    | NA                          |
| <a href="#">Quadro RTX 4000</a>                          | 15417                                   | 37                        | <a href="#">17.15</a>                 | <a href="#">\$899.00*</a>   |
| <a href="#">GeForce RTX 3080 Laptop GPU</a>              | 15343                                   | 38                        | NA                                    | NA                          |
| <a href="#">GeForce RTX 2080 (Mobile)</a>                | 15107                                   | 39                        | NA                                    | NA                          |
| <a href="#">GeForce GTX 1080</a>                         | 15067                                   | 40                        | <a href="#">18.84</a>                 | <a href="#">\$799.99</a>    |
| <a href="#">Radeon Pro W5700</a>                         | 15040                                   | 41                        | <a href="#">11.64</a>                 | <a href="#">\$1,292.60</a>  |
| <a href="#">Quadro RTX 5000 (Mobile)</a>                 | 14832                                   | 42                        | NA                                    | NA                          |
| <a href="#">Radeon Pro Vega II</a>                       | 14737                                   | 43                        | NA                                    | NA                          |
| <a href="#">RX 6800 XT</a>                               | 14683                                   | 44                        | NA                                    | NA                          |
| <a href="#">Radeon RX 5700</a>                           | 14633                                   | 45                        | <a href="#">47.21</a>                 | <a href="#">\$309.99</a>    |
| <a href="#">GeForce RTX 2070 Super with Max-Q Design</a> | 14612                                   | 46                        | NA                                    | NA                          |
| <a href="#">Radeon RX Vega 64</a>                        | 14586                                   | 47                        | <a href="#">37.40</a>                 | <a href="#">\$389.99*</a>   |

| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|-----------------------------|
| <div>  <b>Video Card</b>  </div> |                                         |                           |                                       |                             |
| <a href="#">GeForce RTX 3070 Laptop GPU</a>                                                                                                                                                        | 14207                                   | 30                        | 1NA                                   | 1NA                         |
| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
| <a href="#">GeForce RTX 2080 with Max-Q Design</a>                                                                                                                                                 | 13926                                   | 51                        | <a href="#">6.63</a>                  | <a href="#">\$2,099.99*</a> |
| <a href="#">Radeon Pro WX 8200</a>                                                                                                                                                                 | 13893                                   | 52                        | <a href="#">8.96</a>                  | <a href="#">\$1,549.99</a>  |
| <a href="#">GeForce GTX 980 Ti</a>                                                                                                                                                                 | 13879                                   | 53                        | <a href="#">23.25</a>                 | <a href="#">\$596.99</a>    |
| <a href="#">GeForce RTX 2080 Super with Max-Q Design</a>                                                                                                                                           | 13867                                   | 54                        | NA                                    | NA                          |
| <a href="#">GeForce RTX 2060</a>                                                                                                                                                                   | 13855                                   | 55                        | <a href="#">28.87</a>                 | <a href="#">\$479.99</a>    |
| <a href="#">Radeon Vega Frontier Edition</a>                                                                                                                                                       | 13827                                   | 56                        | <a href="#">7.90</a>                  | <a href="#">\$1,750.00</a>  |
| <a href="#">Radeon RX 5600 XT</a>                                                                                                                                                                  | 13738                                   | 57                        | <a href="#">12.85</a>                 | <a href="#">\$1,068.99</a>  |
| <a href="#">NVIDIA TITAN X</a>                                                                                                                                                                     | 13659                                   | 58                        | <a href="#">22.46</a>                 | <a href="#">\$608.10*</a>   |
| <a href="#">Radeon RX Vega 56</a>                                                                                                                                                                  | 13616                                   | 59                        | <a href="#">10.47</a>                 | <a href="#">\$1,299.99</a>  |
| <a href="#">Radeon Pro WX 9100</a>                                                                                                                                                                 | 13567                                   | 60                        | NA                                    | NA                          |
| <a href="#">GeForce GTX 1070</a>                                                                                                                                                                   | 13383                                   | 61                        | <a href="#">21.41</a>                 | <a href="#">\$624.99</a>    |
| <a href="#">Quadro RTX 4000 (Mobile)</a>                                                                                                                                                           | 13332                                   | 62                        | NA                                    | NA                          |
| <a href="#">Tesla T10</a>                                                                                                                                                                          | 13263                                   | -1                        | NA                                    | NA                          |
| <a href="#">GeForce GTX TITAN X</a>                                                                                                                                                                | 13036                                   | 63                        | <a href="#">10.87</a>                 | <a href="#">\$1,199.00</a>  |
| <a href="#">Quadro M6000 24GB</a>                                                                                                                                                                  | 12843                                   | 64                        | NA                                    | NA                          |
| <a href="#">Quadro GV100</a>                                                                                                                                                                       | 12721                                   | 65                        | <a href="#">1.41</a>                  | <a href="#">\$8,999.00*</a> |
| <a href="#">Radeon Pro V520 MxGPU</a>                                                                                                                                                              | 12718                                   | 66                        | NA                                    | NA                          |
| <a href="#">GeForce GTX 1660 SUPER</a>                                                                                                                                                             | 12682                                   | 67                        | <a href="#">38.43</a>                 | <a href="#">\$329.99</a>    |
| <a href="#">Quadro RTX 4000 with Max-Q Design</a>                                                                                                                                                  | 12538                                   | 68                        | NA                                    | NA                          |
| <a href="#">GeForce RTX 2070 (Mobile)</a>                                                                                                                                                          | 12354                                   | 69                        | NA                                    | NA                          |
| <a href="#">GeForce RTX 2070 with Max-Q Design</a>                                                                                                                                                 | 12299                                   | 70                        | NA                                    | NA                          |
| <a href="#">GeForce RTX 3060 Laptop GPU</a>                                                                                                                                                        | 12264                                   | 71                        | <a href="#">8.81</a>                  | <a href="#">\$1,391.99*</a> |
| <a href="#">Radeon Pro Vega 56</a>                                                                                                                                                                 | 12209                                   | 72                        | NA                                    | NA                          |
| <a href="#">Radeon Pro 5700 XT</a>                                                                                                                                                                 | 11973                                   | 73                        | NA                                    | NA                          |
| <a href="#">GeForce GTX 1660 Ti</a>                                                                                                                                                                | 11909                                   | 74                        | <a href="#">15.15</a>                 | <a href="#">\$785.96</a>    |
| <a href="#">Quadro P4200 with Max-Q Design</a>                                                                                                                                                     | 11869                                   | 75                        | NA                                    | NA                          |
| <a href="#">Radeon Pro 5700</a>                                                                                                                                                                    | 11844                                   | 76                        | NA                                    | NA                          |
| <a href="#">Quadro P5000</a>                                                                                                                                                                       | 11741                                   | 77                        | <a href="#">5.11</a>                  | <a href="#">\$2,299.00</a>  |
| <a href="#">Quadro P4200</a>                                                                                                                                                                       | 11676                                   | 78                        | NA                                    | NA                          |
| <a href="#">GeForce GTX 1660</a>                                                                                                                                                                   | 11598                                   | 79                        | <a href="#">17.84</a>                 | <a href="#">\$649.98</a>    |

| Videocard Name                                                                                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)             |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|----------------------------|
|  <b>Video Card</b> ▼ |                                         |                           |                                       |                            |
| <a href="#">Quadro P4000</a>                                                                          | 11409                                   | 82                        | <a href="#">10.24</a>                 | <a href="#">\$1,120.00</a> |
| <a href="#">Radeon Pro Vega 64</a>                                                                    | 11455                                   | 83                        | NA                                    | NA                         |
| <a href="#">GeForce RTX 2060 (Mobile)</a>                                                             | 11354                                   | 84                        | NA                                    | NA                         |
| <a href="#">Radeon Pro Vega 48</a>                                                                    | 11351                                   | 85                        | NA                                    | NA                         |
| <a href="#">Quadro RTX 3000</a>                                                                       | 11319                                   | 86                        | NA                                    | NA                         |
| <a href="#">Quadro M6000</a>                                                                          | 11272                                   | 87                        | <a href="#">11.97</a>                 | <a href="#">\$942.00</a>   |
| <a href="#">GeForce GTX 980</a>                                                                       | 11269                                   | 88                        | <a href="#">17.64</a>                 | <a href="#">\$639.00</a>   |
| <a href="#">GeForce GTX 1080 with Max-Q Design</a>                                                    | 11229                                   | 89                        | NA                                    | NA                         |
| <a href="#">Tesla T4</a>                                                                              | 11184                                   | 90                        | <a href="#">4.81</a>                  | <a href="#">\$2,323.46</a> |
| <a href="#">Quadro P5200 with Max-Q Design</a>                                                        | 10905                                   | 91                        | NA                                    | NA                         |
| <a href="#">Radeon Pro SSG</a>                                                                        | 10497                                   | 92                        | NA                                    | NA                         |
| <a href="#">Radeon Instinct MI25 MxGPU</a>                                                            | 10466                                   | 93                        | NA                                    | NA                         |
| <a href="#">GeForce GTX 1070 (Mobile)</a>                                                             | 10465                                   | 94                        | NA                                    | NA                         |
| <a href="#">GeForce GTX 1070 with Max-Q Design</a>                                                    | 10249                                   | 95                        | NA                                    | NA                         |
| <a href="#">GeForce GTX 1660 Ti (Mobile)</a>                                                          | 10176                                   | 96                        | NA                                    | NA                         |
| <a href="#">Radeon R9 Fury X</a>                                                                      | 10030                                   | 97                        | NA                                    | NA                         |
| <a href="#">GeForce GTX 1060</a>                                                                      | 9925                                    | 98                        | <a href="#">18.15</a>                 | <a href="#">\$546.99</a>   |
| Videocard Name                                                                                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)             |
| <a href="#">Radeon Pro 5600M</a>                                                                      | 9911                                    | 99                        | NA                                    | NA                         |
| <a href="#">GeForce GTX 1650 SUPER</a>                                                                | 9900                                    | 100                       | <a href="#">19.42</a>                 | <a href="#">\$509.67</a>   |
| <a href="#">GeForce RTX 2060 with Max-Q Design</a>                                                    | 9790                                    | 101                       | NA                                    | NA                         |
| <a href="#">Radeon R9 Fury + Fury X</a>                                                               | 9741                                    | 102                       | <a href="#">26.04</a>                 | <a href="#">\$374.10*</a>  |
| <a href="#">GeForce GTX 970</a>                                                                       | 9727                                    | 103                       | <a href="#">29.93</a>                 | <a href="#">\$325.00</a>   |
| <a href="#">Radeon R9 Fury</a>                                                                        | 9680                                    | 104                       | <a href="#">21.85</a>                 | <a href="#">\$443.10*</a>  |
| <a href="#">Quadro P2200</a>                                                                          | 9670                                    | 105                       | <a href="#">22.21</a>                 | <a href="#">\$435.51</a>   |
| <a href="#">GeForce GTX 1060 3GB</a>                                                                  | 9652                                    | 106                       | <a href="#">28.73</a>                 | <a href="#">\$335.96</a>   |
| <a href="#">Radeon RX 590</a>                                                                         | 9607                                    | 107                       | <a href="#">12.01</a>                 | <a href="#">\$799.99</a>   |
| <a href="#">Radeon R9 390X</a>                                                                        | 9511                                    | 108                       | NA                                    | NA                         |
| <a href="#">Radeon Ryzen 9 4900HSS</a>                                                                | 9460                                    | 109                       | NA                                    | NA                         |
| <a href="#">Quadro M5000</a>                                                                          | 9444                                    | 110                       | <a href="#">18.89</a>                 | <a href="#">\$499.95</a>   |
| <a href="#">Radeon Pro W5500</a>                                                                      | 9302                                    | 111                       | <a href="#">12.57</a>                 | <a href="#">\$739.99</a>   |
| <a href="#">Radeon Pro Duo</a>                                                                        | 9273                                    | 112                       | <a href="#">6.02</a>                  | <a href="#">\$1,539.99</a> |

| Videocard Name                                                                                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)             |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|----------------------------|
|  <b>Video Card</b> ▼ |                                         |                           |                                       |                            |
| <a href="#">GeForce GTX 780 Ti</a>                                                                    | 9133                                    | 115                       | <a href="#">10.31</a>                 | <a href="#">\$500.00</a>   |
| <a href="#">GeForce GTX TITAN Z</a>                                                                   | 9133                                    | 116                       | <a href="#">6.09</a>                  | <a href="#">\$1,499.00</a> |
| <a href="#">Radeon RX 5500 XT</a>                                                                     | 9125                                    | 117                       | <a href="#">17.55</a>                 | <a href="#">\$519.99</a>   |
| <a href="#">Radeon Ryzen 7 4800HS</a>                                                                 | 9107                                    | 118                       | NA                                    | NA                         |
| <a href="#">Quadro P4000 with Max-Q Design</a>                                                        | 9082                                    | 119                       | NA                                    | NA                         |
| <a href="#">Radeon R9 390</a>                                                                         | 8924                                    | 120                       | NA                                    | NA                         |
| <a href="#">Radeon RX 580</a>                                                                         | 8844                                    | 121                       | <a href="#">15.25</a>                 | <a href="#">\$579.97</a>   |
| <a href="#">Radeon R9 290X</a>                                                                        | 8815                                    | 122                       | NA                                    | NA                         |
| <a href="#">GeForce RTX 3050 Ti Laptop GPU</a>                                                        | 8732                                    | 123                       | NA                                    | NA                         |
| <a href="#">Quadro RTX 3000 with Max-Q Design</a>                                                     | 8709                                    | 124                       | NA                                    | NA                         |
| <a href="#">GeForce GTX 1660 Ti with Max-Q Design</a>                                                 | 8648                                    | 125                       | NA                                    | NA                         |
| <a href="#">Radeon RX 480</a>                                                                         | 8636                                    | 126                       | <a href="#">15.02</a>                 | <a href="#">\$575.00</a>   |
| <a href="#">Radeon RX590 GME</a>                                                                      | 8627                                    | 127                       | NA                                    | NA                         |
| <a href="#">Radeon Ryzen 9 4900HS</a>                                                                 | 8572                                    | 128                       | NA                                    | NA                         |
| <a href="#">GeForce GTX Titan</a>                                                                     | 8544                                    | 129                       | <a href="#">11.55</a>                 | <a href="#">\$740.00</a>   |
| <a href="#">Radeon RX 5500</a>                                                                        | 8493                                    | 130                       | NA                                    | NA                         |
| <a href="#">Radeon R9 290</a>                                                                         | 8412                                    | 131                       | NA                                    | NA                         |
| <a href="#">Radeon R9 290X / 390X</a>                                                                 | 8389                                    | 132                       | <a href="#">14.49</a>                 | <a href="#">\$579.00</a>   |
| <a href="#">Radeon R9 295X2</a>                                                                       | 8380                                    | 133                       | <a href="#">16.79</a>                 | <a href="#">\$499.10*</a>  |
| <a href="#">Radeon Pro 5500 XT</a>                                                                    | 8289                                    | 134                       | NA                                    | NA                         |
| <a href="#">15FE</a>                                                                                  | 8229                                    | 135                       | NA                                    | NA                         |
| <a href="#">GeForce GTX 1060 (Mobile)</a>                                                             | 8160                                    | 136                       | NA                                    | NA                         |
| <a href="#">Radeon R9 290 / 390</a>                                                                   | 8150                                    | 137                       | <a href="#">17.76</a>                 | <a href="#">\$459.00</a>   |
| <a href="#">Quadro P3200</a>                                                                          | 8087                                    | 138                       | NA                                    | NA                         |
| <a href="#">Quadro K6000</a>                                                                          | 8070                                    | 139                       | <a href="#">12.42</a>                 | <a href="#">\$649.99</a>   |
| <a href="#">Radeon RX 470/570</a>                                                                     | 8004                                    | 140                       | <a href="#">13.34</a>                 | <a href="#">\$599.99</a>   |
| <a href="#">GeForce GTX 780</a>                                                                       | 8001                                    | 141                       | <a href="#">27.13</a>                 | <a href="#">\$295.00</a>   |
| <a href="#">GeForce GTX 1060 with Max-Q Design</a>                                                    | 7949                                    | 142                       | NA                                    | NA                         |
| <a href="#">Radeon Ryzen 5 4600HS</a>                                                                 | 7942                                    | 143                       | NA                                    | NA                         |
| <a href="#">Quadro M5500</a>                                                                          | 7915                                    | 144                       | NA                                    | NA                         |
| <a href="#">Radeon RX 580 2048SP</a>                                                                  | 7829                                    | 145                       | NA                                    | NA                         |
| <a href="#">Radeon RX 580X</a>                                                                        | 7798                                    | 146                       | NA                                    | NA                         |

| Videocard Name                                      | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|-----------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼            |                                         |                           |                                       |                             |
| <a href="#">Radeon Pro 3800</a>                     | 7755                                    | 148                       | NA                                    | NA                          |
| <a href="#">FirePro W9100</a>                       | 7750                                    | 149                       | <a href="#">3.78</a>                  | <a href="#">\$2,050.00</a>  |
| <a href="#">Radeon Pro WX 7100</a>                  | 7731                                    | 150                       | <a href="#">6.18</a>                  | <a href="#">\$1,250.00</a>  |
| <a href="#">Tesla M60</a>                           | 7691                                    | 151                       | <a href="#">5.51</a>                  | <a href="#">\$1,395.00*</a> |
| <a href="#">Tesla M6</a>                            | 7621                                    | 152                       | <a href="#">30.24</a>                 | <a href="#">\$252.00</a>    |
| <a href="#">Radeon RX 5600M</a>                     | 7558                                    | 153                       | NA                                    | NA                          |
| <a href="#">Radeon Pro 580X</a>                     | 7540                                    | 154                       | NA                                    | NA                          |
| <a href="#">Radeon Pro 5300</a>                     | 7520                                    | 155                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 1650 Ti</a>                 | 7474                                    | 156                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 980M</a>                    | 7276                                    | 157                       | <a href="#">25.09</a>                 | <a href="#">\$289.99*</a>   |
| <a href="#">FirePro W8100</a>                       | 7234                                    | 158                       | <a href="#">10.35</a>                 | <a href="#">\$699.00</a>    |
| <a href="#">Tesla P100-PCIE-16GB</a>                | 7225                                    | 159                       | NA                                    | NA                          |
| <a href="#">Quadro P2000</a>                        | 7056                                    | 160                       | <a href="#">10.87</a>                 | <a href="#">\$649.00</a>    |
| <a href="#">Quadro T2000</a>                        | 7029                                    | 161                       | NA                                    | NA                          |
| <a href="#">Ryzen 7 4800HS with Radeon Graphics</a> | 6999                                    | -1                        | NA                                    | NA                          |
| <a href="#">Quadro T2000 with Max-Q Design</a>      | 6984                                    | 162                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 1650 (Mobile)</a>           | 6968                                    | 163                       | NA                                    | NA                          |
| <a href="#">Radeon RX 570</a>                       | 6967                                    | 164                       | <a href="#">16.79</a>                 | <a href="#">\$415.00</a>    |
| <a href="#">Quadro M5000M</a>                       | 6881                                    | 165                       | <a href="#">13.76</a>                 | <a href="#">\$499.95*</a>   |
| <a href="#">Radeon RX Vega M GH</a>                 | 6795                                    | 166                       | NA                                    | NA                          |
| <a href="#">Radeon Pro 5500M</a>                    | 6756                                    | 167                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 970XM FORCE</a>             | 6706                                    | 168                       | NA                                    | NA                          |
| <a href="#">Radeon Ryzen 7 4800H</a>                | 6701                                    | 169                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 1060 5GB</a>                | 6696                                    | 170                       | <a href="#">13.69</a>                 | <a href="#">\$489.00*</a>   |
| <a href="#">Radeon R9 285</a>                       | 6680                                    | 171                       | NA                                    | NA                          |
| <a href="#">Quadro T1000 with Max-Q Design</a>      | 6678                                    | 172                       | NA                                    | NA                          |
| <a href="#">Quadro M4000M</a>                       | 6649                                    | 173                       | <a href="#">15.83</a>                 | <a href="#">\$420.00</a>    |
| <a href="#">Quadro M4000</a>                        | 6606                                    | 174                       | <a href="#">13.79</a>                 | <a href="#">\$479.00</a>    |
| <a href="#">Quadro T1000</a>                        | 6574                                    | 175                       | NA                                    | NA                          |
| <a href="#">Quadro P3000</a>                        | 6402                                    | 176                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 1050 Ti</a>                 | 6337                                    | 177                       | <a href="#">18.92</a>                 | <a href="#">\$335.00</a>    |
| <a href="#">Radeon Pro 570</a>                      | 6336                                    | 178                       | NA                                    | NA                          |

| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <div>  <b>Video Card</b>  </div> |                                         |                           |                                       |                           |
| <a href="#">Radeon R9 380X</a>                                                                                                                                                                     | 6200                                    | 181                       | NA                                    | NA                        |
| <a href="#">Radeon R9 280X</a>                                                                                                                                                                     | 6224                                    | 182                       | NA                                    | NA                        |
| <a href="#">Radeon R9 380</a>                                                                                                                                                                      | 6201                                    | 183                       | <a href="#">68.91</a>                 | <a href="#">\$89.99*</a>  |
| <a href="#">Radeon R9 380X</a>                                                                                                                                                                     | 6062                                    | 184                       | <a href="#">7.36</a>                  | <a href="#">\$823.24</a>  |
| <a href="#">Radeon Pro WX Vega M GL</a>                                                                                                                                                            | 6049                                    | 185                       | NA                                    | NA                        |
| <a href="#">FirePro W9000</a>                                                                                                                                                                      | 6045                                    | 186                       | <a href="#">7.20</a>                  | <a href="#">\$840.00</a>  |
| <a href="#">GeForce GTX 960</a>                                                                                                                                                                    | 6024                                    | 187                       | <a href="#">40.16</a>                 | <a href="#">\$149.99</a>  |
| <a href="#">GRID P100-16Q</a>                                                                                                                                                                      | 5944                                    | 188                       | NA                                    | NA                        |
| <a href="#">Radeon Pro Vega 20</a>                                                                                                                                                                 | 5942                                    | 189                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 1050 Ti (Mobile)</a>                                                                                                                                                       | 5918                                    | 190                       | NA                                    | NA                        |
| <a href="#">Quadro K5200</a>                                                                                                                                                                       | 5879                                    | 191                       | <a href="#">13.67</a>                 | <a href="#">\$429.95</a>  |
| <a href="#">GeForce GTX 770</a>                                                                                                                                                                    | 5865                                    | 192                       | <a href="#">23.89</a>                 | <a href="#">\$245.55</a>  |
| <a href="#">GeForce GTX 970M</a>                                                                                                                                                                   | 5862                                    | 193                       | <a href="#">27.92</a>                 | <a href="#">\$209.99*</a> |
| <a href="#">GeForce GTX 1650 with Max-Q Design</a>                                                                                                                                                 | 5804                                    | 194                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 690</a>                                                                                                                                                                    | 5688                                    | 195                       | <a href="#">8.77</a>                  | <a href="#">\$649.00</a>  |
| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">Radeon Pro 5300M</a>                                                                                                                                                                   | 5634                                    | 196                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 1050 Ti with Max-Q Design</a>                                                                                                                                              | 5587                                    | 197                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7990</a>                                                                                                                                                                     | 5565                                    | 198                       | <a href="#">5.62</a>                  | <a href="#">\$990.44*</a> |
| <a href="#">Radeon R9 280</a>                                                                                                                                                                      | 5562                                    | 199                       | NA                                    | NA                        |
| <a href="#">Radeon R9 285 / 380</a>                                                                                                                                                                | 5549                                    | 200                       | <a href="#">12.33</a>                 | <a href="#">\$449.99*</a> |
| <a href="#">GRID M60-8A</a>                                                                                                                                                                        | 5523                                    | 201                       | NA                                    | NA                        |
| <a href="#">Quadro M3000M</a>                                                                                                                                                                      | 5522                                    | 202                       | <a href="#">34.53</a>                 | <a href="#">\$159.95*</a> |
| <a href="#">Radeon Pro WX 5100</a>                                                                                                                                                                 | 5514                                    | 203                       | <a href="#">11.54</a>                 | <a href="#">\$478.00</a>  |
| <a href="#">GeForce GTX 680</a>                                                                                                                                                                    | 5492                                    | 204                       | <a href="#">21.97</a>                 | <a href="#">\$249.99</a>  |
| <a href="#">GeForce GTX 760 Ti OEM</a>                                                                                                                                                             | 5427                                    | 205                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 950</a>                                                                                                                                                                    | 5407                                    | 206                       | <a href="#">36.30</a>                 | <a href="#">\$148.96</a>  |
| <a href="#">GeForce GTX 670</a>                                                                                                                                                                    | 5336                                    | 207                       | <a href="#">13.38</a>                 | <a href="#">\$399.00</a>  |
| <a href="#">Radeon HD 7970 / R9 280X</a>                                                                                                                                                           | 5247                                    | 208                       | <a href="#">13.49</a>                 | <a href="#">\$389.00</a>  |
| <a href="#">FirePro S10000</a>                                                                                                                                                                     | 5235                                    | 209                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8990</a>                                                                                                                                                                     | 5214                                    | 210                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 1050</a>                                                                                                                                                                   | 5205                                    | 211                       | <a href="#">27.55</a>                 | <a href="#">\$188.96</a>  |

| Videocard Name                                  | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)             |
|-------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|----------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼        |                                         |                           |                                       |                            |
| <a href="#">Radeon R9 M290X</a>                 | 5130                                    | 214                       | <a href="#">3.33</a>                  | <a href="#">\$1,449.00</a> |
| <a href="#">FirePro S9000</a>                   | 5059                                    | 215                       | NA                                    | NA                         |
| <a href="#">Radeon R9 M395</a>                  | 5023                                    | 216                       | NA                                    | NA                         |
| <a href="#">P106-100</a>                        | 5022                                    | 217                       | NA                                    | NA                         |
| <a href="#">EIZO Quadro MED-XN51LP</a>          | 4955                                    | 218                       | NA                                    | NA                         |
| <a href="#">Barco MXRT 7600</a>                 | 4943                                    | 219                       | <a href="#">8.27</a>                  | <a href="#">\$597.98</a>   |
| <a href="#">FirePro W7100</a>                   | 4917                                    | 220                       | <a href="#">6.51</a>                  | <a href="#">\$755.00</a>   |
| <a href="#">Quadro P2000 with Max-Q Design</a>  | 4874                                    | 221                       | NA                                    | NA                         |
| <a href="#">Radeon R9 270X</a>                  | 4866                                    | 222                       | <a href="#">14.75</a>                 | <a href="#">\$330.00</a>   |
| <a href="#">Radeon R9 M485X</a>                 | 4842                                    | 223                       | NA                                    | NA                         |
| <a href="#">GeForce GTX 760</a>                 | 4796                                    | 224                       | <a href="#">25.93</a>                 | <a href="#">\$185.00</a>   |
| <a href="#">Radeon R9 M395X</a>                 | 4775                                    | 225                       | NA                                    | NA                         |
| <a href="#">Radeon HD 7950 / R9 280</a>         | 4764                                    | 226                       | <a href="#">15.88</a>                 | <a href="#">\$299.95</a>   |
| <a href="#">Radeon Sky 500</a>                  | 4759                                    | 227                       | NA                                    | NA                         |
| <a href="#">GRID P40-24Q</a>                    | 4727                                    | 228                       | NA                                    | NA                         |
| <a href="#">Radeon R9 370</a>                   | 4722                                    | 229                       | <a href="#">11.82</a>                 | <a href="#">\$399.54</a>   |
| <a href="#">Radeon Pro WX 7130</a>              | 4710                                    | 230                       | NA                                    | NA                         |
| <a href="#">Radeon Pro Vega 16</a>              | 4682                                    | 231                       | NA                                    | NA                         |
| <a href="#">Radeon HD 7870</a>                  | 4676                                    | 232                       | <a href="#">9.37</a>                  | <a href="#">\$499.00</a>   |
| <a href="#">B8DKMDAP</a>                        | 4557                                    | 233                       | NA                                    | NA                         |
| <a href="#">Radeon Pro 465</a>                  | 4537                                    | 234                       | NA                                    | NA                         |
| <a href="#">GeForce GTX 580</a>                 | 4506                                    | 235                       | <a href="#">11.60</a>                 | <a href="#">\$388.39</a>   |
| <a href="#">Radeon HD 7870 XT</a>               | 4469                                    | 236                       | NA                                    | NA                         |
| <a href="#">Quadro P1000</a>                    | 4462                                    | 237                       | <a href="#">12.04</a>                 | <a href="#">\$370.63</a>   |
| <a href="#">GeForce GTX 1050 (Mobile)</a>       | 4461                                    | 238                       | NA                                    | NA                         |
| <a href="#">Quadro M2200</a>                    | 4457                                    | 239                       | <a href="#">17.83</a>                 | <a href="#">\$249.99*</a>  |
| <a href="#">Radeon R7 370</a>                   | 4457                                    | 240                       | NA                                    | NA                         |
| <a href="#">GRID M60-1B</a>                     | 4456                                    | 241                       | NA                                    | NA                         |
| <a href="#">P104-100</a>                        | 4449                                    | -1                        | <a href="#">14.83</a>                 | <a href="#">\$299.99*</a>  |
| <a href="#">Citrix Indirect Display Adapter</a> | 4446                                    | 242                       | NA                                    | NA                         |
| <a href="#">GRID P6-4Q</a>                      | 4429                                    | 243                       | NA                                    | NA                         |
| Videocard Name                                  | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)             |

| Videocard Name                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)           |
|----------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|--------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼           |                                         |                           |                                       |                          |
| <a href="#">FirePro W7000</a>                      | 4339                                    | 240                       | <a href="#">11.10</a>                 | <a href="#">\$389.00</a> |
| <a href="#">FirePro W7000 Adapter</a>              | 4339                                    | 247                       | NA                                    | NA                       |
| <a href="#">Quadro K4200</a>                       | 4321                                    | 248                       | <a href="#">14.45</a>                 | <a href="#">\$299.00</a> |
| <a href="#">Barco MXRT 7500</a>                    | 4319                                    | 249                       | <a href="#">14.45</a>                 | <a href="#">\$299.00</a> |
| <a href="#">GRID M60-2Q</a>                        | 4315                                    | 250                       | NA                                    | NA                       |
| <a href="#">GRID P40-2Q</a>                        | 4287                                    | 251                       | NA                                    | NA                       |
| <a href="#">GRID RTX6000P-4Q</a>                   | 4283                                    | -1                        | NA                                    | NA                       |
| <a href="#">GRID T4-8Q</a>                         | 4283                                    | -1                        | NA                                    | NA                       |
| <a href="#">GeForce GTX 680MX</a>                  | 4270                                    | 252                       | NA                                    | NA                       |
| <a href="#">Radeon R9 270 / R7 370</a>             | 4259                                    | 253                       | <a href="#">10.02</a>                 | <a href="#">\$425.00</a> |
| <a href="#">GRID M60-1Q</a>                        | 4250                                    | 254                       | NA                                    | NA                       |
| <a href="#">GeForce GTX 775M</a>                   | 4222                                    | 255                       | NA                                    | NA                       |
| <a href="#">FirePro S7000</a>                      | 4166                                    | 256                       | NA                                    | NA                       |
| <a href="#">GRID V100D-8Q</a>                      | 4155                                    | 257                       | NA                                    | NA                       |
| <a href="#">Radeon RX 560X</a>                     | 4123                                    | 258                       | NA                                    | NA                       |
| <a href="#">Radeon RX 460</a>                      | 4115                                    | 259                       | <a href="#">19.60</a>                 | <a href="#">\$209.99</a> |
| <a href="#">GeForce GTX 880M</a>                   | 4091                                    | 260                       | NA                                    | NA                       |
| <a href="#">GeForce GTX 480</a>                    | 4068                                    | 261                       | <a href="#">27.12</a>                 | <a href="#">\$149.99</a> |
| <a href="#">GeForce GTX 1050 with Max-Q Design</a> | 4043                                    | 262                       | NA                                    | NA                       |
| <a href="#">GRID GTX P40-6</a>                     | 4043                                    | -1                        | NA                                    | NA                       |
| <a href="#">Radeon HD 7800-serie</a>               | 4029                                    | 263                       | NA                                    | NA                       |
| <a href="#">T500</a>                               | 4016                                    | 264                       | NA                                    | NA                       |
| <a href="#">GRID P6-2Q</a>                         | 4000                                    | 265                       | NA                                    | NA                       |
| <a href="#">Quadro M2000</a>                       | 3988                                    | 266                       | <a href="#">15.95</a>                 | <a href="#">\$250.00</a> |
| <a href="#">GeForce GTX 965M</a>                   | 3978                                    | 267                       | NA                                    | NA                       |
| <a href="#">GeForce GTX 660</a>                    | 3966                                    | 268                       | <a href="#">22.04</a>                 | <a href="#">\$179.99</a> |
| <a href="#">GRID RTX8000-4Q</a>                    | 3960                                    | 269                       | NA                                    | NA                       |
| <a href="#">Radeon RX 5300M</a>                    | 3951                                    | 270                       | NA                                    | NA                       |
| <a href="#">Quadro K5000</a>                       | 3933                                    | 271                       | <a href="#">11.27</a>                 | <a href="#">\$349.00</a> |
| <a href="#">GeForce GTX 750 Ti</a>                 | 3932                                    | 272                       | <a href="#">31.98</a>                 | <a href="#">\$122.96</a> |
| <a href="#">Radeon RX 5500M</a>                    | 3917                                    | 273                       | NA                                    | NA                       |
| <a href="#">FirePro S9050</a>                      | 3911                                    | -1                        | NA                                    | NA                       |

| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|-----------------------------|
| <div>  <b>Video Card</b>  </div> |                                         |                           |                                       |                             |
| <a href="#">Radeon HD 8970M</a>                                                                                                                                                                    | 3870                                    | 270                       | <a href="#">21.09</a>                 | <a href="#">\$139.99</a>    |
| <a href="#">GeForce GTX 570</a>                                                                                                                                                                    | 3854                                    | 277                       | <a href="#">58.50</a>                 | <a href="#">\$65.89</a>     |
| <a href="#">FirePro W7170M</a>                                                                                                                                                                     | 3849                                    | 278                       | NA                                    | NA                          |
| <a href="#">GRID RTX8000P-2Q</a>                                                                                                                                                                   | 3843                                    | -1                        | NA                                    | NA                          |
| <a href="#">GRID P100-8Q</a>                                                                                                                                                                       | 3841                                    | 279                       | NA                                    | NA                          |
| <a href="#">GRID M60-4Q</a>                                                                                                                                                                        | 3831                                    | 280                       | NA                                    | NA                          |
| <a href="#">Radeon Pro WX 4100</a>                                                                                                                                                                 | 3805                                    | 281                       | <a href="#">13.84</a>                 | <a href="#">\$274.99</a>    |
| <a href="#">Radeon R9 270</a>                                                                                                                                                                      | 3769                                    | 282                       | NA                                    | NA                          |
| <a href="#">Radeon HD 7850</a>                                                                                                                                                                     | 3757                                    | 283                       | <a href="#">23.49</a>                 | <a href="#">\$159.99</a>    |
| <a href="#">GeForce MX450</a>                                                                                                                                                                      | 3750                                    | 284                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 780M</a>                                                                                                                                                                   | 3732                                    | 285                       | <a href="#">7.48</a>                  | <a href="#">\$499.00</a>    |
| <a href="#">Radeon Pro 560X</a>                                                                                                                                                                    | 3677                                    | 286                       | NA                                    | NA                          |
| <a href="#">Quadro P620</a>                                                                                                                                                                        | 3667                                    | 287                       | <a href="#">17.94</a>                 | <a href="#">\$204.39</a>    |
| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
| <a href="#">Radeon RX 560</a>                                                                                                                                                                      | 3627                                    | 288                       | <a href="#">15.77</a>                 | <a href="#">\$229.99</a>    |
| <a href="#">Radeon HD 7970M</a>                                                                                                                                                                    | 3619                                    | 289                       | NA                                    | NA                          |
| <a href="#">Quadro M2000M</a>                                                                                                                                                                      | 3602                                    | 290                       | <a href="#">12.87</a>                 | <a href="#">\$279.95*</a>   |
| <a href="#">GeForce GTX 680M KY Bullet Edition</a>                                                                                                                                                 | 3568                                    | 291                       | NA                                    | NA                          |
| <a href="#">GRID M6-8Q</a>                                                                                                                                                                         | 3568                                    | 292                       | NA                                    | NA                          |
| <a href="#">Quadro K2200</a>                                                                                                                                                                       | 3537                                    | 293                       | <a href="#">12.20</a>                 | <a href="#">\$289.87</a>    |
| <a href="#">Radeon Ryzen 5 4600H</a>                                                                                                                                                               | 3534                                    | 294                       | NA                                    | NA                          |
| <a href="#">Quadro M1200</a>                                                                                                                                                                       | 3529                                    | 295                       | NA                                    | NA                          |
| <a href="#">Tesla C2050</a>                                                                                                                                                                        | 3515                                    | 296                       | <a href="#">13.02</a>                 | <a href="#">\$269.99*</a>   |
| <a href="#">Quadro 7000</a>                                                                                                                                                                        | 3505                                    | 297                       | NA                                    | NA                          |
| <a href="#">Tesla M10</a>                                                                                                                                                                          | 3490                                    | 298                       | <a href="#">1.30</a>                  | <a href="#">\$2,690.00</a>  |
| <a href="#">Radeon Pro 560</a>                                                                                                                                                                     | 3475                                    | 299                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 960M</a>                                                                                                                                                                   | 3474                                    | 300                       | <a href="#">2.97</a>                  | <a href="#">\$1,169.00*</a> |
| <a href="#">FirePro W8000</a>                                                                                                                                                                      | 3453                                    | 301                       | <a href="#">9.90</a>                  | <a href="#">\$349.00</a>    |
| <a href="#">Radeon Pro 460</a>                                                                                                                                                                     | 3452                                    | 302                       | NA                                    | NA                          |
| <a href="#">Tesla C2050 / C2070</a>                                                                                                                                                                | 3428                                    | 303                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 870M</a>                                                                                                                                                                   | 3408                                    | 304                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 750</a>                                                                                                                                                                    | 3401                                    | 305                       | <a href="#">22.68</a>                 | <a href="#">\$149.99</a>    |

| Videocard Name                           | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)             |
|------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|----------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼ |                                         |                           |                                       |                            |
| <a href="#">Radeon E8870 PCIe</a>        | 3300                                    | 307                       | NA                                    | NA                         |
| <a href="#">Radeon HD8970M</a>           | 3368                                    | 308                       | NA                                    | NA                         |
| <a href="#">GeForce GTX 590</a>          | 3365                                    | 310                       | <a href="#">18.29</a>                 | <a href="#">\$184.00*</a>  |
| <a href="#">GeForce GTX 650 Ti BOOST</a> | 3355                                    | 311                       | NA                                    | NA                         |
| <a href="#">GRID P40-2B</a>              | 3354                                    | 312                       | NA                                    | NA                         |
| <a href="#">GRID M10-1Q</a>              | 3351                                    | 313                       | NA                                    | NA                         |
| <a href="#">Radeon R9 M290X</a>          | 3350                                    | 314                       | NA                                    | NA                         |
| <a href="#">Radeon RX Vega M GL</a>      | 3344                                    | 315                       | NA                                    | NA                         |
| <a href="#">Tesla C2070</a>              | 3274                                    | 316                       | <a href="#">8.42</a>                  | <a href="#">\$389.00</a>   |
| <a href="#">GeForce 770M</a>             | 3245                                    | 317                       | <a href="#">18.34</a>                 | <a href="#">\$176.99*</a>  |
| <a href="#">GRID M10-4Q</a>              | 3223                                    | 318                       | NA                                    | NA                         |
| <a href="#">GeForce GTX 470</a>          | 3204                                    | 319                       | <a href="#">6.14</a>                  | <a href="#">\$522.01*</a>  |
| <a href="#">Quadro K5100M</a>            | 3184                                    | 320                       | <a href="#">2.87</a>                  | <a href="#">\$1,108.84</a> |
| <a href="#">GRID K520</a>                | 3177                                    | 321                       | <a href="#">4.24</a>                  | <a href="#">\$749.95*</a>  |
| <a href="#">GRID K2</a>                  | 3176                                    | 322                       | <a href="#">0.75</a>                  | <a href="#">\$4,239.44</a> |
| <a href="#">RadeonT RX 5500M</a>         | 3165                                    | 323                       | NA                                    | NA                         |
| <a href="#">FirePro V7000</a>            | 3161                                    | 324                       | NA                                    | NA                         |
| <a href="#">Radeon Pro 555</a>           | 3140                                    | 325                       | <a href="#">2.99</a>                  | <a href="#">\$1,049.00</a> |
| <a href="#">Radeon R7 260X</a>           | 3139                                    | 326                       | <a href="#">22.43</a>                 | <a href="#">\$139.99*</a>  |
| <a href="#">Tesla C2075</a>              | 3118                                    | 327                       | <a href="#">5.83</a>                  | <a href="#">\$535.00</a>   |
| <a href="#">Radeon Pro 455</a>           | 3112                                    | 328                       | <a href="#">6.93</a>                  | <a href="#">\$449.00*</a>  |
| <a href="#">GeForce GTX 860M</a>         | 3104                                    | 329                       | <a href="#">27.23</a>                 | <a href="#">\$114.00</a>   |
| <a href="#">Radeon R7 360</a>            | 3096                                    | 330                       | <a href="#">24.77</a>                 | <a href="#">\$125.00*</a>  |
| <a href="#">Intel G35 Express</a>        | 3090                                    | 331                       | NA                                    | NA                         |
| <a href="#">Radeon HD 7790</a>           | 3090                                    | 332                       | <a href="#">22.07</a>                 | <a href="#">\$139.99</a>   |
| <a href="#">GeForce GTX 560 Ti</a>       | 3074                                    | 333                       | <a href="#">12.06</a>                 | <a href="#">\$255.00</a>   |
| <a href="#">GRID T4-4Q</a>               | 3072                                    | 334                       | NA                                    | NA                         |
| <a href="#">Radeon R9 360</a>            | 3031                                    | 335                       | <a href="#">5.84</a>                  | <a href="#">\$519.00*</a>  |
| <a href="#">Radeon R9 M380</a>           | 3031                                    | 336                       | NA                                    | NA                         |
| Videocard Name                           | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)             |
| <a href="#">Quadro M1000M</a>            | 3018                                    | 337                       | <a href="#">35.11</a>                 | <a href="#">\$85.99*</a>   |
| <a href="#">Radeon R9 260</a>            | 3018                                    | 338                       | NA                                    | NA                         |

| Videocard Name                                         | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|--------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼               |                                         |                           |                                       |                             |
| <a href="#">Quadro K5000M</a>                          | 2930                                    | 341                       | <a href="#">8.30</a>                  | <a href="#">\$330.00</a>    |
| <a href="#">GRID K260Q</a>                             | 2940                                    | 342                       | NA                                    | NA                          |
| <a href="#">Radeon HD 6990</a>                         | 2932                                    | 343                       | <a href="#">18.33</a>                 | <a href="#">\$159.99*</a>   |
| <a href="#">GeForce MX350</a>                          | 2895                                    | 344                       | NA                                    | NA                          |
| <a href="#">Radeon R7 260</a>                          | 2891                                    | 345                       | <a href="#">32.13</a>                 | <a href="#">\$89.99*</a>    |
| <a href="#">Intel Iris Xe</a>                          | 2884                                    | 346                       | NA                                    | NA                          |
| <a href="#">Radeon HD 6970</a>                         | 2879                                    | 347                       | <a href="#">18.11</a>                 | <a href="#">\$158.96</a>    |
| <a href="#">Ryzen 7 PRO 4700G with Radeon Graphics</a> | 2879                                    | -1                        | NA                                    | NA                          |
| <a href="#">Quadro K1200</a>                           | 2878                                    | 348                       | <a href="#">8.86</a>                  | <a href="#">\$325.00</a>    |
| <a href="#">FirePro W5100</a>                          | 2865                                    | 349                       | <a href="#">12.51</a>                 | <a href="#">\$229.00</a>    |
| <a href="#">Radeon Pro V340 MxGPU</a>                  | 2853                                    | 350                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 770M</a>                       | 2840                                    | 351                       | <a href="#">20.58</a>                 | <a href="#">\$138.00*</a>   |
| <a href="#">Radeon Pro W5500M</a>                      | 2821                                    | 352                       | NA                                    | NA                          |
| <a href="#">FirePro 3D V9800</a>                       | 2811                                    | 353                       | <a href="#">1.13</a>                  | <a href="#">\$2,499.00*</a> |
| <a href="#">Intel UHD P630</a>                         | 2798                                    | 355                       | NA                                    | NA                          |
| <a href="#">Quadro M620</a>                            | 2798                                    | 354                       | NA                                    | NA                          |
| <a href="#">Radeon RX 550</a>                          | 2764                                    | 356                       | <a href="#">17.28</a>                 | <a href="#">\$159.99</a>    |
| <a href="#">FirePro W4300</a>                          | 2734                                    | 357                       | <a href="#">11.39</a>                 | <a href="#">\$239.99*</a>   |
| <a href="#">GeForce GTX 560</a>                        | 2730                                    | 358                       | <a href="#">12.14</a>                 | <a href="#">\$224.99</a>    |
| <a href="#">FirePro V9800</a>                          | 2726                                    | 359                       | <a href="#">9.77</a>                  | <a href="#">\$279.00</a>    |
| <a href="#">Radeon Pro 450</a>                         | 2722                                    | 360                       | NA                                    | NA                          |
| <a href="#">Ryzen 9 4900H with Radeon Graphics</a>     | 2713                                    | -1                        | NA                                    | NA                          |
| <a href="#">GRID T4-1Q</a>                             | 2702                                    | 361                       | NA                                    | NA                          |
| <a href="#">Barco MXRT 5500</a>                        | 2701                                    | 362                       | <a href="#">9.04</a>                  | <a href="#">\$299.00</a>    |
| <a href="#">Quadro K4000</a>                           | 2695                                    | 363                       | <a href="#">11.00</a>                 | <a href="#">\$245.00</a>    |
| <a href="#">Quadro 6000</a>                            | 2693                                    | 364                       | <a href="#">6.00</a>                  | <a href="#">\$449.00</a>    |
| <a href="#">Radeon HD 6950</a>                         | 2680                                    | 365                       | <a href="#">12.83</a>                 | <a href="#">\$208.98</a>    |
| <a href="#">GeForce GTX 465</a>                        | 2677                                    | 366                       | <a href="#">13.73</a>                 | <a href="#">\$195.00</a>    |
| <a href="#">Ryzen 7 Pro 4750G with Radeon Graphics</a> | 2665                                    | 367                       | NA                                    | NA                          |
| <a href="#">Radeon Ryzen 7 4700GE</a>                  | 2661                                    | -1                        | NA                                    | NA                          |
| <a href="#">FirePro M6100 FireGL V</a>                 | 2656                                    | 368                       | NA                                    | NA                          |
| <a href="#">GRID M10-2Q</a>                            | 2653                                    | 369                       | NA                                    | NA                          |

| Videocard Name                                           | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|----------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼                 |                                         |                           |                                       |                           |
| <a href="#">Radeon Ryzen 7 PRO 4700G</a>                 | 2630                                    | 312                       | NA                                    | NA                        |
| <a href="#">GeForce MX330</a>                            | 2630                                    | 373                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 950M</a>                         | 2629                                    | 374                       | <a href="#">4.64</a>                  | <a href="#">\$567.00*</a> |
| <a href="#">Radeon Pro WX 3100</a>                       | 2617                                    | 375                       | NA                                    | NA                        |
| <a href="#">GeForce GT 1030</a>                          | 2616                                    | 376                       | <a href="#">21.64</a>                 | <a href="#">\$120.89</a>  |
| <a href="#">GRID M10-8Q</a>                              | 2606                                    | 377                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 850M</a>                         | 2589                                    | 378                       | NA                                    | NA                        |
| <a href="#">GRID K240Q</a>                               | 2578                                    | 379                       | NA                                    | NA                        |
| <a href="#">Quadro K4100M</a>                            | 2565                                    | 380                       | <a href="#">7.97</a>                  | <a href="#">\$322.00</a>  |
| <a href="#">Ryzen 7 PRO 4750GE with Radeon Graphics</a>  | 2563                                    | 381                       | NA                                    | NA                        |
| <a href="#">GeForce MX250</a>                            | 2562                                    | 382                       | NA                                    | NA                        |
| Videocard Name                                           | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">Radeon Pro WX 3200</a>                       | 2562                                    | 383                       | <a href="#">6.44</a>                  | <a href="#">\$397.99</a>  |
| <a href="#">GeForce GTX 650 Ti</a>                       | 2544                                    | 384                       | <a href="#">18.18</a>                 | <a href="#">\$139.99</a>  |
| <a href="#">Radeon HD 6850 X2</a>                        | 2534                                    | 385                       | NA                                    | NA                        |
| <a href="#">FireStream 9370</a>                          | 2528                                    | 386                       | NA                                    | NA                        |
| <a href="#">N18E-Q1</a>                                  | 2525                                    | 387                       | NA                                    | NA                        |
| <a href="#">Ryzen 7 4700GE with Radeon Graphics</a>      | 2496                                    | 388                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 7 Microsoft Surface Edition</a> | 2468                                    | 389                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 5 PRO 4650G</a>                 | 2451                                    | 390                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 3 4300GE</a>                    | 2449                                    | 391                       | NA                                    | NA                        |
| <a href="#">FirePro 3D V8800</a>                         | 2437                                    | 392                       | <a href="#">5.74</a>                  | <a href="#">\$424.99*</a> |
| <a href="#">Radeon R9 M470</a>                           | 2435                                    | 393                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 950A</a>                         | 2432                                    | 394                       | NA                                    | NA                        |
| <a href="#">GRID M10-2B</a>                              | 2416                                    | 395                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 960A</a>                         | 2410                                    | 396                       | NA                                    | NA                        |
| <a href="#">Ryzen 3 4300GE with Radeon Graphics</a>      | 2402                                    | -1                        | NA                                    | NA                        |
| <a href="#">Radeon RX Vega 11 PRD</a>                    | 2401                                    | 397                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 485M</a>                         | 2400                                    | 398                       | NA                                    | NA                        |
| <a href="#">Ryzen 5 Pro 4650G with Radeon Graphics</a>   | 2398                                    | 399                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 7 4800U</a>                     | 2393                                    | 400                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 580M</a>                         | 2373                                    | 401                       | <a href="#">9.54</a>                  | <a href="#">\$248.68*</a> |

| Videocard Name                                          | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|---------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼                |                                         |                           |                                       |                             |
| <a href="#">Radeon HD 8950U</a>                         | 2340                                    | 404                       | NA                                    | NA                          |
| <a href="#">Ryzen 7 4800U with Radeon Graphics</a>      | 2344                                    | 405                       | NA                                    | NA                          |
| <a href="#">Radeon Ryzen 3 PRO 4350G</a>                | 2341                                    | 406                       | NA                                    | NA                          |
| <a href="#">Ryzen 7 Extreme Edition</a>                 | 2339                                    | 407                       | NA                                    | NA                          |
| <a href="#">P106-090</a>                                | 2327                                    | 408                       | NA                                    | NA                          |
| <a href="#">GRID M10-1B</a>                             | 2309                                    | 409                       | NA                                    | NA                          |
| <a href="#">Ryzen 5 PRO 4400G with Radeon Graphics</a>  | 2305                                    | 410                       | NA                                    | NA                          |
| <a href="#">FirePro V7900</a>                           | 2296                                    | 411                       | <a href="#">18.38</a>                 | <a href="#">\$125.00</a>    |
| <a href="#">GeForce GTX 460</a>                         | 2293                                    | 412                       | <a href="#">20.85</a>                 | <a href="#">\$109.99</a>    |
| <a href="#">Radeon Ryzen 7 4700G</a>                    | 2289                                    | 413                       | NA                                    | NA                          |
| <a href="#">Quadro K3100M</a>                           | 2287                                    | 414                       | <a href="#">5.72</a>                  | <a href="#">\$399.95*</a>   |
| <a href="#">Radeon HD 6970M</a>                         | 2270                                    | 415                       | <a href="#">10.51</a>                 | <a href="#">\$215.99*</a>   |
| <a href="#">Radeon R7 250X</a>                          | 2268                                    | 416                       | <a href="#">12.00</a>                 | <a href="#">\$189.00</a>    |
| <a href="#">FirePro V8800</a>                           | 2267                                    | -1                        | <a href="#">11.39</a>                 | <a href="#">\$199.00</a>    |
| <a href="#">Quadro K620</a>                             | 2267                                    | 417                       | <a href="#">1.12</a>                  | <a href="#">\$2,029.99</a>  |
| <a href="#">Radeon HD 5870</a>                          | 2259                                    | 418                       | <a href="#">18.83</a>                 | <a href="#">\$119.99</a>    |
| <a href="#">Radeon R9 M385</a>                          | 2230                                    | 419                       | NA                                    | NA                          |
| <a href="#">GRID P100-1B</a>                            | 2223                                    | 420                       | NA                                    | NA                          |
| <a href="#">Radeon HD 5970</a>                          | 2219                                    | 421                       | <a href="#">4.23</a>                  | <a href="#">\$525.00</a>    |
| <a href="#">Ryzen 3 PRO 4350GE with Radeon Graphics</a> | 2210                                    | 422                       | NA                                    | NA                          |
| <a href="#">Radeon HD 6870</a>                          | 2202                                    | 423                       | <a href="#">25.04</a>                 | <a href="#">\$87.96</a>     |
| <a href="#">Ryzen 3 Pro 4350G with Radeon Graphics</a>  | 2190                                    | 424                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 745</a>                         | 2187                                    | 425                       | <a href="#">7.81</a>                  | <a href="#">\$280.00</a>    |
| <a href="#">Ryzen 7 4700G with Radeon Graphics</a>      | 2186                                    | 426                       | NA                                    | NA                          |
| <a href="#">RadeonT R7 450</a>                          | 2184                                    | 427                       | NA                                    | NA                          |
| <a href="#">Radeon HD 7770</a>                          | 2180                                    | 428                       | <a href="#">18.17</a>                 | <a href="#">\$119.99</a>    |
| <a href="#">Intel Iris Pro P580</a>                     | 2168                                    | 429                       | NA                                    | NA                          |
| Videocard Name                                          | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
| <a href="#">Quadro P520</a>                             | 2160                                    | 430                       | <a href="#">1.44</a>                  | <a href="#">\$1,499.00*</a> |
| <a href="#">Radeon RX 550X</a>                          | 2160                                    | 431                       | NA                                    | NA                          |
| <a href="#">Quadro M600M</a>                            | 2142                                    | 432                       | <a href="#">53.57</a>                 | <a href="#">\$39.99*</a>    |
| <a href="#">Radeon RX Vega 11</a>                       | 2141                                    | 433                       | <a href="#">2.14</a>                  | <a href="#">\$1,002.00</a>  |

| Videocard Name                                                                                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
|  <b>Video Card</b> ▼ |                                         |                           |                                       |                           |
| <a href="#">FirePro M6100</a>                                                                         | 2102                                    | 430                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 7 4700U</a>                                                                  | 2098                                    | 437                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 460 v2</a>                                                                    | 2091                                    | 438                       | <a href="#">10.46</a>                 | <a href="#">\$199.99*</a> |
| <a href="#">GeForce GTX 560 SE</a>                                                                    | 2088                                    | 439                       | <a href="#">23.21</a>                 | <a href="#">\$89.99*</a>  |
| <a href="#">Radeon Ryzen Embedded V2718</a>                                                           | 2087                                    | -1                        | NA                                    | NA                        |
| <a href="#">GRID M6-1Q</a>                                                                            | 2069                                    | 440                       | NA                                    | NA                        |
| <a href="#">Ryzen 5 4600G with Radeon Graphics</a>                                                    | 2061                                    | 441                       | NA                                    | NA                        |
| <a href="#">Quadro 5000M</a>                                                                          | 2059                                    | 442                       | NA                                    | NA                        |
| <a href="#">FirePro M6100</a>                                                                         | 2054                                    | 443                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 5 4600G</a>                                                                  | 2052                                    | 444                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 480M</a>                                                                      | 2050                                    | 445                       | NA                                    | NA                        |
| <a href="#">Quadro M520</a>                                                                           | 2048                                    | 446                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 7 PRO 4750GE</a>                                                             | 2045                                    | 447                       | NA                                    | NA                        |
| <a href="#">Ryzen 7 4700U with Radeon Graphics</a>                                                    | 2032                                    | 448                       | NA                                    | NA                        |
| <a href="#">FirePro V7800</a>                                                                         | 2030                                    | 449                       | <a href="#">10.97</a>                 | <a href="#">\$185.00</a>  |
| <a href="#">Ryzen 7 PRO 4750U with Radeon Graphics</a>                                                | 2028                                    | 450                       | NA                                    | NA                        |
| <a href="#">Intel Iris Pro 580</a>                                                                    | 2027                                    | 451                       | NA                                    | NA                        |
| <a href="#">Quadro K4000M</a>                                                                         | 2021                                    | 452                       | <a href="#">8.25</a>                  | <a href="#">\$245.00</a>  |
| <a href="#">Quadro 5000</a>                                                                           | 2020                                    | 453                       | <a href="#">9.22</a>                  | <a href="#">\$219.00</a>  |
| <a href="#">Ryzen 5 PRO 4500U with Radeon Graphics</a>                                                | 2007                                    | 454                       | NA                                    | NA                        |
| <a href="#">GeForce GT 645</a>                                                                        | 2005                                    | 455                       | NA                                    | NA                        |
| <a href="#">Ryzen 5 PRO 4650GE with Radeon Graphics</a>                                               | 2005                                    | 456                       | NA                                    | NA                        |
| <a href="#">GeForce 945M</a>                                                                          | 2004                                    | 457                       | NA                                    | NA                        |
| <a href="#">Quadro 5010M</a>                                                                          | 2000                                    | 458                       | <a href="#">8.48</a>                  | <a href="#">\$235.95*</a> |
| <a href="#">Radeon Ryzen 7 PRO 4750U</a>                                                              | 1997                                    | 459                       | NA                                    | NA                        |
| <a href="#">Radeon HD 6850</a>                                                                        | 1984                                    | 460                       | <a href="#">16.83</a>                 | <a href="#">\$117.90</a>  |
| <a href="#">Radeon R7 + R7 350 Dual</a>                                                               | 1982                                    | 461                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 675MX</a>                                                                     | 1972                                    | 463                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 5 Microsoft Surface Edition</a>                                              | 1972                                    | 462                       | NA                                    | NA                        |
| <a href="#">Radeon R7 450</a>                                                                         | 1967                                    | 464                       | <a href="#">37.48</a>                 | <a href="#">\$52.49*</a>  |
| <a href="#">Radeon R9 350</a>                                                                         | 1963                                    | 465                       | <a href="#">6.57</a>                  | <a href="#">\$299.00</a>  |
| <a href="#">Radeon R7 + HD 7700 Dual</a>                                                              | 1962                                    | 466                       | NA                                    | NA                        |

| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <div>  <b>Video Card</b>  </div> |                                         |                           |                                       |                           |
| <a href="#">Radeon HD 5850</a>                                                                                                                                                                     | 1957                                    | 409                       | <a href="#">24.41</a>                 | <a href="#">\$19.99</a>   |
| <a href="#">Radeon Pro WX 4130</a>                                                                                                                                                                 | 1955                                    | 471                       | NA                                    | NA                        |
| <a href="#">Ryzen 5 4600U with Radeon Graphics</a>                                                                                                                                                 | 1955                                    | 470                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 470M</a>                                                                                                                                                                   | 1949                                    | 472                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 460 SE</a>                                                                                                                                                                 | 1947                                    | 473                       | <a href="#">12.17</a>                 | <a href="#">\$159.99*</a> |
| <a href="#">GeForce GTX 765M</a>                                                                                                                                                                   | 1936                                    | 475                       | <a href="#">10.40</a>                 | <a href="#">\$186.30</a>  |
| <a href="#">Ryzen 5 4600H with Radeon Graphics</a>                                                                                                                                                 | 1936                                    | 474                       | NA                                    | NA                        |
| <a href="#">GeForce MX130</a>                                                                                                                                                                      | 1930                                    | 477                       | NA                                    | NA                        |
| <a href="#">GeForce MX230</a>                                                                                                                                                                      | 1930                                    | 476                       | NA                                    | NA                        |
| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">Radeon R9 M385X</a>                                                                                                                                                                    | 1929                                    | 478                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 670MX</a>                                                                                                                                                                  | 1923                                    | 479                       | NA                                    | NA                        |
| <a href="#">Radeon RX 570X</a>                                                                                                                                                                     | 1923                                    | 480                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7560D + 7700 Dual</a>                                                                                                                                                        | 1919                                    | 481                       | NA                                    | NA                        |
| <a href="#">Matrox C680 PCIe x16</a>                                                                                                                                                               | 1903                                    | 482                       | NA                                    | NA                        |
| <a href="#">Ryzen 3 4300G with Radeon Graphics</a>                                                                                                                                                 | 1902                                    | 483                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7700-serie</a>                                                                                                                                                               | 1899                                    | 484                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8670D + HD 7700 Dual</a>                                                                                                                                                     | 1892                                    | 485                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 645</a>                                                                                                                                                                    | 1871                                    | 486                       | NA                                    | NA                        |
| <a href="#">FirePro 3D V7800</a>                                                                                                                                                                   | 1867                                    | 487                       | <a href="#">3.11</a>                  | <a href="#">\$599.99*</a> |
| <a href="#">Intel Iris Plus</a>                                                                                                                                                                    | 1863                                    | 488                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 675M</a>                                                                                                                                                                   | 1856                                    | 489                       | NA                                    | NA                        |
| <a href="#">GeForce 945A</a>                                                                                                                                                                       | 1852                                    | 490                       | NA                                    | NA                        |
| <a href="#">GRID T4-2Q</a>                                                                                                                                                                         | 1850                                    | -1                        | NA                                    | NA                        |
| <a href="#">Radeon Vega 11</a>                                                                                                                                                                     | 1848                                    | 491                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 570M</a>                                                                                                                                                                   | 1844                                    | 492                       | NA                                    | NA                        |
| <a href="#">Radeon RX 540</a>                                                                                                                                                                      | 1843                                    | 493                       | NA                                    | NA                        |
| <a href="#">FirePro M5100 FireGL V</a>                                                                                                                                                             | 1839                                    | 494                       | NA                                    | NA                        |
| <a href="#">GRID M60-0B</a>                                                                                                                                                                        | 1838                                    | 495                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8570D + HD 7700 Dual</a>                                                                                                                                                     | 1834                                    | 496                       | NA                                    | NA                        |
| <a href="#">MxGPU</a>                                                                                                                                                                              | 1826                                    | 497                       | NA                                    | NA                        |
| <a href="#">FirePro M6000</a>                                                                                                                                                                      | 1820                                    | 499                       | NA                                    | NA                        |

| Videocard Name                                          | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)           |
|---------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|--------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼                |                                         |                           |                                       |                          |
| <a href="#">Radeon Ryzen 5 4500U</a>                    | 1813                                    | 501                       | NA                                    | NA                       |
| <a href="#">Matrox C900 PCIe x16</a>                    | 1812                                    | 502                       | NA                                    | NA                       |
| <a href="#">RadeonT RX 560X</a>                         | 1809                                    | 503                       | NA                                    | NA                       |
| <a href="#">GeForce GTX 555</a>                         | 1807                                    | 504                       | NA                                    | NA                       |
| <a href="#">Radeon Pro WX 4150</a>                      | 1805                                    | 505                       | NA                                    | NA                       |
| <a href="#">Radeon Ryzen 5 PRO 4650U</a>                | 1805                                    | 506                       | NA                                    | NA                       |
| <a href="#">Radeon R9 M275X</a>                         | 1801                                    | 507                       | NA                                    | NA                       |
| <a href="#">Radeon HD 8870M / R9 M270X / M370X</a>      | 1799                                    | 508                       | NA                                    | NA                       |
| <a href="#">Ryzen 3 PRO 4200G with Radeon Graphics</a>  | 1798                                    | -1                        | NA                                    | NA                       |
| <a href="#">Intel Iris 650</a>                          | 1794                                    | 509                       | NA                                    | NA                       |
| <a href="#">Intel Iris Plus 655</a>                     | 1793                                    | 510                       | NA                                    | NA                       |
| <a href="#">GeForce GTX 670M</a>                        | 1791                                    | 511                       | NA                                    | NA                       |
| <a href="#">Radeon HD 8670D + 7700 Dual</a>             | 1788                                    | 512                       | NA                                    | NA                       |
| <a href="#">Intel UHD</a>                               | 1787                                    | 513                       | NA                                    | NA                       |
| <a href="#">Ryzen 3 PRO 4200GE with Radeon Graphics</a> | 1783                                    | 514                       | NA                                    | NA                       |
| <a href="#">Radeon R9 M375X</a>                         | 1782                                    | 515                       | NA                                    | NA                       |
| <a href="#">Radeon R9 M360</a>                          | 1770                                    | 516                       | NA                                    | NA                       |
| <a href="#">Radeon HD 6900M</a>                         | 1763                                    | 517                       | NA                                    | NA                       |
| <a href="#">GeForce GTX 650</a>                         | 1760                                    | 518                       | <a href="#">5.89</a>                  | <a href="#">\$299.00</a> |
| <a href="#">Radeon Ryzen 5 PRO 4650GE</a>               | 1759                                    | 519                       | NA                                    | NA                       |
| <a href="#">Radeon HD 5830</a>                          | 1758                                    | 520                       | <a href="#">19.54</a>                 | <a href="#">\$89.99</a>  |
| <a href="#">FirePro W600</a>                            | 1751                                    | 521                       | <a href="#">4.93</a>                  | <a href="#">\$355.00</a> |
| <a href="#">Intel Iris Plus 645</a>                     | 1747                                    | 522                       | NA                                    | NA                       |
| <a href="#">Radeon RX Vega 10</a>                       | 1730                                    | 523                       | NA                                    | NA                       |
| <a href="#">Radeon Pro WX 2100</a>                      | 1723                                    | 524                       | NA                                    | NA                       |
| Videocard Name                                          | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)           |
| <a href="#">Radeon RX Vega 11 Processor</a>             | 1717                                    | 525                       | NA                                    | NA                       |
| <a href="#">GeForce GTX 760M</a>                        | 1715                                    | 526                       | NA                                    | NA                       |
| <a href="#">Radeon R7 M465X</a>                         | 1690                                    | 527                       | NA                                    | NA                       |
| <a href="#">Radeon RX Vega11</a>                        | 1689                                    | 529                       | NA                                    | NA                       |
| <a href="#">Ryzen 5 PRO 4650U with Radeon Graphics</a>  | 1689                                    | 528                       | NA                                    | NA                       |
| <a href="#">Firepro W5170M</a>                          | 1673                                    | 530                       | NA                                    | NA                       |

| Videocard Name                                         | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼               |                                         |                           |                                       |                           |
| <a href="#">Radeon HD 7790</a>                         | 1661                                    | 533                       | <a href="#">1.38</a>                  | <a href="#">\$229.00</a>  |
| <a href="#">FirePro M4000 Mobility Pro</a>             | 1653                                    | 534                       | NA                                    | NA                        |
| <a href="#">Radeon HD HD7850M</a>                      | 1651                                    | 535                       | NA                                    | NA                        |
| <a href="#">Quadro P400</a>                            | 1645                                    | 536                       | <a href="#">2.49</a>                  | <a href="#">\$660.00</a>  |
| <a href="#">Radeon HD 8870M</a>                        | 1638                                    | 537                       | NA                                    | NA                        |
| <a href="#">Quadro K3000M</a>                          | 1634                                    | 538                       | <a href="#">4.01</a>                  | <a href="#">\$407.56</a>  |
| <a href="#">Quadro K2000D</a>                          | 1625                                    | 539                       | <a href="#">4.07</a>                  | <a href="#">\$399.00</a>  |
| <a href="#">GeForce GT 755M</a>                        | 1618                                    | 540                       | NA                                    | NA                        |
| <a href="#">Ryzen 7 2700U with Radeon Vega</a>         | 1617                                    | 541                       | NA                                    | NA                        |
| <a href="#">Intel UHD 730</a>                          | 1611                                    | 542                       | NA                                    | NA                        |
| <a href="#">Radeon R7 A10-7870K</a>                    | 1605                                    | 543                       | NA                                    | NA                        |
| <a href="#">Seria Radeon HD 7700</a>                   | 1603                                    | 544                       | NA                                    | NA                        |
| <a href="#">Intel Iris Plus 650</a>                    | 1601                                    | 545                       | NA                                    | NA                        |
| <a href="#">Radeon Vega 8</a>                          | 1601                                    | 546                       | <a href="#">12.62</a>                 | <a href="#">\$126.86*</a> |
| <a href="#">FirePro M4000</a>                          | 1586                                    | 547                       | NA                                    | NA                        |
| <a href="#">FirePro W6150M</a>                         | 1586                                    | -1                        | NA                                    | NA                        |
| <a href="#">Radeon RX Vega 8</a>                       | 1586                                    | 548                       | NA                                    | NA                        |
| <a href="#">Radeon E8860</a>                           | 1577                                    | 549                       | NA                                    | NA                        |
| <a href="#">Radeon R9 M275X / M375</a>                 | 1574                                    | 550                       | NA                                    | NA                        |
| <a href="#">Quadro K2000</a>                           | 1573                                    | 551                       | <a href="#">7.32</a>                  | <a href="#">\$215.06</a>  |
| <a href="#">Quadro P500</a>                            | 1573                                    | 552                       | NA                                    | NA                        |
| <a href="#">Radeon HD 6790</a>                         | 1571                                    | 553                       | <a href="#">5.44</a>                  | <a href="#">\$289.00</a>  |
| <a href="#">GeForce GTX 550 Ti</a>                     | 1563                                    | 554                       | <a href="#">8.73</a>                  | <a href="#">\$178.99</a>  |
| <a href="#">GeForce GTX 285</a>                        | 1557                                    | 555                       | <a href="#">5.79</a>                  | <a href="#">\$269.00</a>  |
| <a href="#">Radeon HD 7560D + HD 6670 Dual</a>         | 1554                                    | 556                       | NA                                    | NA                        |
| <a href="#">Radeon Vega 10</a>                         | 1551                                    | 557                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8470D + HD 7500 Dual</a>         | 1545                                    | 558                       | NA                                    | NA                        |
| <a href="#">GeForce GT 740</a>                         | 1544                                    | 559                       | <a href="#">5.96</a>                  | <a href="#">\$259.00</a>  |
| <a href="#">Ryzen 3 PRO 4300U with Radeon Graphics</a> | 1542                                    | 560                       | NA                                    | NA                        |
| <a href="#">FirePro V8700</a>                          | 1538                                    | 561                       | NA                                    | NA                        |
| <a href="#">Ryzen 3 PRO 4450U with Radeon Graphics</a> | 1538                                    | 562                       | NA                                    | NA                        |
| <a href="#">GeForce 940MX</a>                          | 1536                                    | 563                       | NA                                    | NA                        |

| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|--------------------------|
| <div>  <b>Video Card</b>  </div> |                                         |                           |                                       |                          |
| <a href="#">Radeon HD 7870M</a>                                                                                                                                                                    | 1507                                    | 565                       | NA                                    | NA                       |
| <a href="#">GeForce MX110</a>                                                                                                                                                                      | 1505                                    | 567                       | NA                                    | NA                       |
| <a href="#">Ryzen 5 2500U with Radeon Vega</a>                                                                                                                                                     | 1503                                    | 568                       | NA                                    | NA                       |
| <a href="#">FirePro W5130M</a>                                                                                                                                                                     | 1496                                    | 569                       | NA                                    | NA                       |
| <a href="#">Radeon HD 6670 + 7660D Dual</a>                                                                                                                                                        | 1492                                    | 570                       | NA                                    | NA                       |
| <a href="#">Embedded Radeon E9173</a>                                                                                                                                                              | 1484                                    | 572                       | NA                                    | NA                       |
| <a href="#">Radeon HD 7660D + HD 6670 Dual</a>                                                                                                                                                     | 1484                                    | 571                       | NA                                    | NA                       |
| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)           |
| <a href="#">Quadro 4000</a>                                                                                                                                                                        | 1482                                    | 573                       | <a href="#">6.89</a>                  | <a href="#">\$215.00</a> |
| <a href="#">Radeon R9 M365X</a>                                                                                                                                                                    | 1481                                    | 574                       | NA                                    | NA                       |
| <a href="#">GeForce GTX 275</a>                                                                                                                                                                    | 1464                                    | 575                       | <a href="#">3.39</a>                  | <a href="#">\$431.72</a> |
| <a href="#">Intel Iris Pro Graphics 6200</a>                                                                                                                                                       | 1464                                    | 576                       | NA                                    | NA                       |
| <a href="#">Radeon Vega 10 Mobile</a>                                                                                                                                                              | 1453                                    | 577                       | NA                                    | NA                       |
| <a href="#">Radeon Vega 8 Mobile</a>                                                                                                                                                               | 1451                                    | 578                       | NA                                    | NA                       |
| <a href="#">Radeon R7 M380</a>                                                                                                                                                                     | 1446                                    | 579                       | NA                                    | NA                       |
| <a href="#">Radeon R9 M270X</a>                                                                                                                                                                    | 1444                                    | 580                       | NA                                    | NA                       |
| <a href="#">Ryzen 5 PRO 4400GE with Radeon Graphics</a>                                                                                                                                            | 1441                                    | 581                       | NA                                    | NA                       |
| <a href="#">Radeon HD 8470D + HD 6670 Dual</a>                                                                                                                                                     | 1435                                    | 582                       | NA                                    | NA                       |
| <a href="#">GeForce 845M</a>                                                                                                                                                                       | 1432                                    | 583                       | NA                                    | NA                       |
| <a href="#">Radeon HD 7560D + 7670 Dual</a>                                                                                                                                                        | 1426                                    | 584                       | NA                                    | NA                       |
| <a href="#">Intel Iris Pro P6300</a>                                                                                                                                                               | 1418                                    | 585                       | NA                                    | NA                       |
| <a href="#">Radeon R7 M370</a>                                                                                                                                                                     | 1417                                    | 586                       | NA                                    | NA                       |
| <a href="#">Radeon 550X</a>                                                                                                                                                                        | 1412                                    | 587                       | NA                                    | NA                       |
| <a href="#">GeForce GTX 660M</a>                                                                                                                                                                   | 1409                                    | 589                       | <a href="#">17.84</a>                 | <a href="#">\$78.99*</a> |
| <a href="#">Radeon Pro WX 4170</a>                                                                                                                                                                 | 1409                                    | 588                       | NA                                    | NA                       |
| <a href="#">Intel UHD 630</a>                                                                                                                                                                      | 1404                                    | 590                       | NA                                    | NA                       |
| <a href="#">Radeon 540X</a>                                                                                                                                                                        | 1383                                    | 591                       | NA                                    | NA                       |
| <a href="#">Radeon HD 7560D + HD 7670 Dual</a>                                                                                                                                                     | 1380                                    | 592                       | NA                                    | NA                       |
| <a href="#">Radeon R7 PRO A12-8870</a>                                                                                                                                                             | 1375                                    | 593                       | NA                                    | NA                       |
| <a href="#">Radeon R9 M370X</a>                                                                                                                                                                    | 1373                                    | 594                       | <a href="#">1.54</a>                  | <a href="#">\$889.00</a> |
| <a href="#">Radeon HD 7850M</a>                                                                                                                                                                    | 1372                                    | 595                       | NA                                    | NA                       |
| <a href="#">Radeon RX 640</a>                                                                                                                                                                      | 1371                                    | 596                       | NA                                    | NA                       |

| Videocard Name                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|----------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼           |                                         |                           |                                       |                             |
| <a href="#">Radeon HD 8670D + 8670 Dual</a>        | 1361                                    | 599                       | NA                                    | NA                          |
| <a href="#">Radeon HD 4870</a>                     | 1360                                    | 600                       | <a href="#">15.12</a>                 | <a href="#">\$89.99</a>     |
| <a href="#">Intel Iris 550</a>                     | 1359                                    | 601                       | NA                                    | NA                          |
| <a href="#">Ryzen 3 4300U with Radeon Graphics</a> | 1356                                    | 602                       | NA                                    | NA                          |
| <a href="#">GeForce GT 750M</a>                    | 1353                                    | 603                       | NA                                    | NA                          |
| <a href="#">Radeon 630</a>                         | 1352                                    | 604                       | NA                                    | NA                          |
| <a href="#">Radeon HD 5770</a>                     | 1348                                    | 605                       | <a href="#">7.14</a>                  | <a href="#">\$189.00</a>    |
| <a href="#">Radeon HD 7560D + HD 7700 Dual</a>     | 1346                                    | 606                       | NA                                    | NA                          |
| <a href="#">FireStream 9270</a>                    | 1341                                    | 607                       | NA                                    | NA                          |
| <a href="#">GeForce 930MX</a>                      | 1331                                    | 608                       | NA                                    | NA                          |
| <a href="#">Intel Iris Plus 640</a>                | 1323                                    | 609                       | NA                                    | NA                          |
| <a href="#">Radeon HD 8670D + HD 7600 Dual</a>     | 1317                                    | 610                       | NA                                    | NA                          |
| <a href="#">GeForce GTS 450</a>                    | 1316                                    | 611                       | <a href="#">6.62</a>                  | <a href="#">\$199.00</a>    |
| <a href="#">Radeon Ryzen 3 PRO 4350GE</a>          | 1316                                    | -1                        | NA                                    | NA                          |
| <a href="#">FirePro M5950</a>                      | 1314                                    | 612                       | NA                                    | NA                          |
| <a href="#">Intel HD P530</a>                      | 1310                                    | 613                       | NA                                    | NA                          |
| <a href="#">Radeon HD 4870 X2</a>                  | 1309                                    | 615                       | NA                                    | NA                          |
| <a href="#">Radeon R7 PRO A8-8670E</a>             | 1309                                    | 614                       | NA                                    | NA                          |
| <a href="#">Radeon R7 M465</a>                     | 1306                                    | 616                       | NA                                    | NA                          |
| <a href="#">Radeon HD 8790M</a>                    | 1305                                    | 618                       | NA                                    | NA                          |
| <a href="#">Tesla M2070-Q</a>                      | 1305                                    | 617                       | NA                                    | NA                          |
| <a href="#">Radeon 540</a>                         | 1299                                    | 620                       | NA                                    | NA                          |
| <a href="#">TENSOR 1.0 Driver Intel HD 630</a>     | 1299                                    | 619                       | NA                                    | NA                          |
| Videocard Name                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
| <a href="#">Radeon Ryzen Embedded V2748</a>        | 1296                                    | 621                       | NA                                    | NA                          |
| <a href="#">FirePro V5900</a>                      | 1293                                    | 622                       | <a href="#">13.06</a>                 | <a href="#">\$99.00</a>     |
| <a href="#">Radeon R7 A370</a>                     | 1281                                    | 623                       | NA                                    | NA                          |
| <a href="#">Intel HD P630</a>                      | 1276                                    | 624                       | NA                                    | NA                          |
| <a href="#">FirePro 3D V8750</a>                   | 1271                                    | 626                       | <a href="#">1.03</a>                  | <a href="#">\$1,230.99*</a> |
| <a href="#">FirePro V5800</a>                      | 1271                                    | 627                       | <a href="#">18.43</a>                 | <a href="#">\$68.99</a>     |
| <a href="#">GeForce GTX 560M</a>                   | 1271                                    | 625                       | NA                                    | NA                          |
| <a href="#">Radeon Vega 6</a>                      | 1270                                    | 628                       | <a href="#">0.71</a>                  | <a href="#">\$1,799.99*</a> |

| Videocard Name                                                 | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|----------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼                       |                                         |                           |                                       |                           |
| <a href="#">Radeon HD 8570D + HD 6670 Dual</a>                 | 1200                                    | 631                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7560D + HD 7600 Dual</a>                 | 1258                                    | 632                       | NA                                    | NA                        |
| <a href="#">Intel Iris 540</a>                                 | 1256                                    | 633                       | NA                                    | NA                        |
| <a href="#">Radeon HD 6770</a>                                 | 1252                                    | 634                       | <a href="#">5.57</a>                  | <a href="#">\$225.00</a>  |
| <a href="#">Radeon R9 255</a>                                  | 1251                                    | 635                       | <a href="#">3.64</a>                  | <a href="#">\$344.16*</a> |
| <a href="#">Quadro FX 5800</a>                                 | 1246                                    | 636                       | <a href="#">4.89</a>                  | <a href="#">\$255.00</a>  |
| <a href="#">Radeon Ryzen 3 4300G</a>                           | 1243                                    | 637                       | NA                                    | NA                        |
| <a href="#">Quadro 2000 D</a>                                  | 1239                                    | 638                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8570D + 6570 Dual</a>                    | 1239                                    | 639                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7660D + 6670 Dual</a>                    | 1238                                    | 640                       | NA                                    | NA                        |
| <a href="#">GeForce GPU</a>                                    | 1237                                    | 641                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7560D + HD 6570 Dual</a>                 | 1237                                    | 642                       | NA                                    | NA                        |
| <a href="#">Radeon R7 + R5 340 Dual</a>                        | 1234                                    | 643                       | NA                                    | NA                        |
| <a href="#">Radeon R7 + R7 250 Dual</a>                        | 1232                                    | 644                       | NA                                    | NA                        |
| <a href="#">FirePro 3D V5800</a>                               | 1231                                    | 645                       | <a href="#">3.73</a>                  | <a href="#">\$329.95</a>  |
| <a href="#">Radeon 625</a>                                     | 1228                                    | 646                       | NA                                    | NA                        |
| <a href="#">GeForce 930A</a>                                   | 1227                                    | 647                       | NA                                    | NA                        |
| <a href="#">Radeon R5 PRO A6-8570 R5_8 COMPUTE CORES 2C+6G</a> | 1225                                    | -1                        | NA                                    | NA                        |
| <a href="#">Radeon HD 8670D + HD 6670 Dual</a>                 | 1221                                    | 648                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 295</a>                                | 1220                                    | 649                       | <a href="#">7.63</a>                  | <a href="#">\$159.99*</a> |
| <a href="#">Radeon HD 7730</a>                                 | 1219                                    | 651                       | <a href="#">24.40</a>                 | <a href="#">\$49.99*</a>  |
| <a href="#">Radeon R7 250</a>                                  | 1219                                    | 650                       | <a href="#">10.17</a>                 | <a href="#">\$119.99</a>  |
| <a href="#">Radeon Ryzen 3 4300U</a>                           | 1217                                    | 652                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 260</a>                                | 1212                                    | 653                       | <a href="#">16.16</a>                 | <a href="#">\$74.99</a>   |
| <a href="#">Radeon HD 8790M / R9 M290X</a>                     | 1210                                    | 654                       | NA                                    | NA                        |
| <a href="#">FirePro 3D V8700</a>                               | 1206                                    | 655                       | <a href="#">7.48</a>                  | <a href="#">\$161.20</a>  |
| <a href="#">N16P-GX</a>                                        | 1204                                    | 656                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7660D + 7540D Dual</a>                   | 1204                                    | 657                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 460M</a>                               | 1191                                    | 658                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7750M</a>                                | 1191                                    | 659                       | NA                                    | NA                        |
| <a href="#">Radeon R7 +8G</a>                                  | 1190                                    | 660                       | NA                                    | NA                        |

| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <div>  <b>Video Card</b>  </div> |                                         |                           |                                       |                           |
| <a href="#">GeForce 940A</a>                                                                                                                                                                       | 1179                                    | 663                       | NA                                    | NA                        |
| <a href="#">Radeon Ryzen 3 PRO 4450U</a>                                                                                                                                                           | 1177                                    | -1                        | NA                                    | NA                        |
| <a href="#">Radeon R7 430</a>                                                                                                                                                                      | 1175                                    | 664                       | <a href="#">12.24</a>                 | <a href="#">\$96.04*</a>  |
| <a href="#">FireStream 9250</a>                                                                                                                                                                    | 1164                                    | 665                       | NA                                    | NA                        |
| <a href="#">Radeon HD 5750</a>                                                                                                                                                                     | 1164                                    | 666                       | <a href="#">14.56</a>                 | <a href="#">\$79.99*</a>  |
| <a href="#">Barco MXRT 5400</a>                                                                                                                                                                    | 1161                                    | 667                       | <a href="#">5.86</a>                  | <a href="#">\$198.00</a>  |
| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">Intel HD 630</a>                                                                                                                                                                       | 1159                                    | 668                       | NA                                    | NA                        |
| <a href="#">Intel Coffee Lake UHD</a>                                                                                                                                                              | 1158                                    | 669                       | NA                                    | NA                        |
| <a href="#">Quadro K620M</a>                                                                                                                                                                       | 1158                                    | 670                       | NA                                    | NA                        |
| <a href="#">GeForce 940A</a>                                                                                                                                                                       | 1144                                    | 671                       | NA                                    | NA                        |
| <a href="#">GeForce GT 745A</a>                                                                                                                                                                    | 1144                                    | 672                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8850M / R9 M265X</a>                                                                                                                                                         | 1139                                    | 673                       | NA                                    | NA                        |
| <a href="#">Radeon R7 + R7 200 Dual</a>                                                                                                                                                            | 1136                                    | 674                       | NA                                    | NA                        |
| <a href="#">Radeon HD 4850 X2</a>                                                                                                                                                                  | 1132                                    | 675                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7560D + 6670 Dual</a>                                                                                                                                                        | 1130                                    | 676                       | NA                                    | NA                        |
| <a href="#">Radeon R7 PRO A12-8870E</a>                                                                                                                                                            | 1127                                    | 677                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G + 7700M Dual</a>                                                                                                                                                       | 1126                                    | 678                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7660D + 7500 Dual</a>                                                                                                                                                        | 1121                                    | 679                       | NA                                    | NA                        |
| <a href="#">Radeon 535</a>                                                                                                                                                                         | 1116                                    | 680                       | NA                                    | NA                        |
| <a href="#">GeForce GT 545</a>                                                                                                                                                                     | 1115                                    | 681                       | <a href="#">20.07</a>                 | <a href="#">\$55.59*</a>  |
| <a href="#">Radeon R7 A10-8850</a>                                                                                                                                                                 | 1114                                    | 683                       | NA                                    | NA                        |
| <a href="#">Radeon R9 M275</a>                                                                                                                                                                     | 1114                                    | 682                       | <a href="#">1.59</a>                  | <a href="#">\$699.99*</a> |
| <a href="#">Quadro M500M</a>                                                                                                                                                                       | 1112                                    | 684                       | NA                                    | NA                        |
| <a href="#">GeForce 940M</a>                                                                                                                                                                       | 1105                                    | 686                       | NA                                    | NA                        |
| <a href="#">Quadro K1100M</a>                                                                                                                                                                      | 1105                                    | 685                       | <a href="#">3.42</a>                  | <a href="#">\$322.99*</a> |
| <a href="#">Quadro 2100M</a>                                                                                                                                                                       | 1100                                    | 689                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7660D + 6570 Dual</a>                                                                                                                                                        | 1100                                    | 688                       | NA                                    | NA                        |
| <a href="#">Radeon R7 A10-9700E RADEON</a>                                                                                                                                                         | 1100                                    | 687                       | NA                                    | NA                        |
| <a href="#">Radeon R5 PRO A6-9500 2C+6G</a>                                                                                                                                                        | 1096                                    | 690                       | NA                                    | NA                        |
| <a href="#">NVS 810</a>                                                                                                                                                                            | 1093                                    | 691                       | <a href="#">1.75</a>                  | <a href="#">\$624.99*</a> |
| <a href="#">Firepro W4190M</a>                                                                                                                                                                     | 1092                                    | 692                       | NA                                    | NA                        |

| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <div>  <b>Video Card</b>  </div> |                                         |                           |                                       |                           |
| <a href="#">GeForce 9200M</a>                                                                                                                                                                      | 1004                                    | 695                       | NA                                    | NA                        |
| <a href="#">MIRRORV3</a>                                                                                                                                                                           | 1080                                    | 696                       | NA                                    | NA                        |
| <a href="#">Barco MXRT 5450</a>                                                                                                                                                                    | 1079                                    | 697                       | <a href="#">13.49</a>                 | <a href="#">\$79.99</a>   |
| <a href="#">Radeon HD 8450G + 8600/8700M Dual</a>                                                                                                                                                  | 1070                                    | 698                       | NA                                    | NA                        |
| <a href="#">Radeon R7 PRO A12-9800</a>                                                                                                                                                             | 1069                                    | 699                       | NA                                    | NA                        |
| <a href="#">Radeon Vega 3 Mobile</a>                                                                                                                                                               | 1069                                    | 700                       | NA                                    | NA                        |
| <a href="#">Radeon R7 M350</a>                                                                                                                                                                     | 1064                                    | 701                       | NA                                    | NA                        |
| <a href="#">GeForce 840M</a>                                                                                                                                                                       | 1062                                    | 702                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7660D + 7670 Dual</a>                                                                                                                                                        | 1061                                    | 703                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7520G + 7700M Dual</a>                                                                                                                                                       | 1060                                    | 704                       | NA                                    | NA                        |
| <a href="#">Firepro M4100</a>                                                                                                                                                                      | 1059                                    | 706                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 760A</a>                                                                                                                                                                   | 1059                                    | 705                       | NA                                    | NA                        |
| <a href="#">OPAL XT/GL</a>                                                                                                                                                                         | 1053                                    | 707                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7670A</a>                                                                                                                                                                    | 1050                                    | 708                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 850A</a>                                                                                                                                                                   | 1049                                    | 709                       | NA                                    | NA                        |
| <a href="#">Intel UHD Graphics 620</a>                                                                                                                                                             | 1049                                    | 710                       | NA                                    | NA                        |
| <a href="#">Radeon R7 PRO A8-9600</a>                                                                                                                                                              | 1049                                    | 711                       | NA                                    | NA                        |
| <a href="#">Radeon R7 A12-9730P RADEON</a>                                                                                                                                                         | 1047                                    | 712                       | NA                                    | NA                        |
| <a href="#">Radeon R7 + R7 240 Dual</a>                                                                                                                                                            | 1045                                    | 713                       | NA                                    | NA                        |
| <a href="#">GeForce GTX 280</a>                                                                                                                                                                    | 1043                                    | 715                       | <a href="#">8.70</a>                  | <a href="#">\$119.99</a>  |
| <a href="#">Radeon R7 Opteron X3421</a>                                                                                                                                                            | 1043                                    | 714                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8570D + 6670 Dual</a>                                                                                                                                                        | 1039                                    | 716                       | NA                                    | NA                        |
| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">Quadro K2000M</a>                                                                                                                                                                      | 1037                                    | 717                       | <a href="#">7.21</a>                  | <a href="#">\$144.04*</a> |
| <a href="#">Radeon R7 A12-9800E RADEON</a>                                                                                                                                                         | 1037                                    | 718                       | <a href="#">7.45</a>                  | <a href="#">\$139.19*</a> |
| <a href="#">Radeon HD 8570D + HD 8570 Dual</a>                                                                                                                                                     | 1032                                    | 719                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8600/8700M</a>                                                                                                                                                               | 1029                                    | 720                       | NA                                    | NA                        |
| <a href="#">Radeon R7 M460</a>                                                                                                                                                                     | 1029                                    | 721                       | NA                                    | NA                        |
| <a href="#">Quadro 3000M</a>                                                                                                                                                                       | 1028                                    | 722                       | <a href="#">14.70</a>                 | <a href="#">\$69.99*</a>  |
| <a href="#">Radeon R7 + R5 330 Dual</a>                                                                                                                                                            | 1028                                    | 723                       | NA                                    | NA                        |
| <a href="#">Radeon R9 A375</a>                                                                                                                                                                     | 1024                                    | -1                        | NA                                    | NA                        |
| <a href="#">GeForce 930M</a>                                                                                                                                                                       | 1021                                    | 724                       | NA                                    | NA                        |

| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <div>  <b>Video Card</b>  </div> |                                         |                           |                                       |                           |
| <a href="#">Radeon HD 6750M</a>                                                                                                                                                                    | 1010                                    | 727                       | NA                                    | NA                        |
| <a href="#">Radeon R5 A6-9500E 2C+4G</a>                                                                                                                                                           | 1014                                    | 728                       | NA                                    | NA                        |
| <a href="#">RadeonT R5 430</a>                                                                                                                                                                     | 1012                                    | 729                       | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 5870</a>                                                                                                                                                            | 1009                                    | 730                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7690M XT</a>                                                                                                                                                                 | 1009                                    | 732                       | NA                                    | NA                        |
| <a href="#">Radeon R7 FX-9830P RADEON</a>                                                                                                                                                          | 1009                                    | 731                       | NA                                    | NA                        |
| <a href="#">Radeon R7 A10-9700 RADEON</a>                                                                                                                                                          | 1007                                    | 733                       | NA                                    | NA                        |
| <a href="#">GeForce GT 745M</a>                                                                                                                                                                    | 1005                                    | 734                       | NA                                    | NA                        |
| <a href="#">GeForce 830A</a>                                                                                                                                                                       | 1004                                    | 735                       | NA                                    | NA                        |
| <a href="#">GeForce 830M</a>                                                                                                                                                                       | 1003                                    | 736                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7690M</a>                                                                                                                                                                    | 1003                                    | 737                       | NA                                    | NA                        |
| <a href="#">Radeon HD 6750</a>                                                                                                                                                                     | 1002                                    | 738                       | <a href="#">4.27</a>                  | <a href="#">\$235.00</a>  |
| <a href="#">Radeon HD 7660G + HD 7500/7600 7500/7600 Dual</a>                                                                                                                                      | 1002                                    | 740                       | NA                                    | NA                        |
| <a href="#">Radeon R5 340</a>                                                                                                                                                                      | 1002                                    | 739                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + HD 7500M/7600M Dual</a>                                                                                                                                              | 999                                     | 742                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8570D + R7 200 Dual</a>                                                                                                                                                      | 999                                     | 741                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + HD 8750M Dual</a>                                                                                                                                                    | 996                                     | 743                       | NA                                    | NA                        |
| <a href="#">Radeon R7 A12-9800 RADEON</a>                                                                                                                                                          | 993                                     | 744                       | NA                                    | NA                        |
| <a href="#">Intel HD 530</a>                                                                                                                                                                       | 989                                     | 745                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7560D + 7570 Dual</a>                                                                                                                                                        | 985                                     | 746                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8690M</a>                                                                                                                                                                    | 984                                     | 747                       | NA                                    | NA                        |
| <a href="#">FirePro V4900</a>                                                                                                                                                                      | 982                                     | 749                       | <a href="#">16.65</a>                 | <a href="#">\$59.00</a>   |
| <a href="#">Radeon HD 7560D + 7560D Dual</a>                                                                                                                                                       | 982                                     | 748                       | NA                                    | NA                        |
| <a href="#">FirePro M4150</a>                                                                                                                                                                      | 977                                     | 751                       | NA                                    | NA                        |
| <a href="#">Radeon R5 A10-9630P 4C+6G</a>                                                                                                                                                          | 977                                     | 750                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8670D + 8570 Dual</a>                                                                                                                                                        | 974                                     | 752                       | NA                                    | NA                        |
| <a href="#">Radeon E6760</a>                                                                                                                                                                       | 973                                     | 753                       | <a href="#">4.06</a>                  | <a href="#">\$239.99*</a> |
| <a href="#">Radeon HD 8850M</a>                                                                                                                                                                    | 973                                     | 754                       | NA                                    | NA                        |
| <a href="#">Radeon R6 A10-9600P 4C+6G</a>                                                                                                                                                          | 970                                     | 755                       | NA                                    | NA                        |
| <a href="#">Quadro FX 4800</a>                                                                                                                                                                     | 968                                     | 756                       | <a href="#">4.87</a>                  | <a href="#">\$199.00*</a> |
| <a href="#">Radeon R7 A10-7850K</a>                                                                                                                                                                | 968                                     | 757                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G N HD 7660G + HD 7700M N HD</a>                                                                                                                                         | 966                                     | 758                       | NA                                    | NA                        |

| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|------------------|
| <div>  <b>Video Card</b>  </div> |                                         |                           |                                       |                  |
| <a href="#">Radeon HD 67 / 70M</a>                                                                                                                                                                 | 904                                     | 700                       | NA                                    | NA               |
| <a href="#">Radeon HD 8570D + R7 240 Dual</a>                                                                                                                                                      | 963                                     | 761                       | NA                                    | NA               |
| <a href="#">Radeon R7 M270DX</a>                                                                                                                                                                   | 961                                     | -1                        | NA                                    | NA               |
| <a href="#">Radeon R7 PRO A10-8770</a>                                                                                                                                                             | 959                                     | 762                       | NA                                    | NA               |
| <a href="#">Radeon R7 A10 PRO-7850B</a>                                                                                                                                                            | 958                                     | 764                       | NA                                    | NA               |
| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)   |
| <a href="#">Radeon R9 M265X</a>                                                                                                                                                                    | 958                                     | 763                       | NA                                    | NA               |
| <a href="#">GeForce GT 645M</a>                                                                                                                                                                    | 956                                     | 765                       | NA                                    | NA               |
| <a href="#">Radeon R7 PRO A12-9800E</a>                                                                                                                                                            | 956                                     | 766                       | NA                                    | NA               |
| <a href="#">Radeon R6 Opteron X3418</a>                                                                                                                                                            | 955                                     | 767                       | NA                                    | NA               |
| <a href="#">Radeon R7 A265</a>                                                                                                                                                                     | 954                                     | 768                       | NA                                    | NA               |
| <a href="#">Radeon HD 4850</a>                                                                                                                                                                     | 952                                     | 769                       | <u>22.36</u>                          | <u>\$42.62*</u>  |
| <a href="#">Radeon R7 M365X</a>                                                                                                                                                                    | 951                                     | 770                       | NA                                    | NA               |
| <a href="#">Radeon HD 8570 + HD 7660D Dual</a>                                                                                                                                                     | 949                                     | 772                       | NA                                    | NA               |
| <a href="#">Radeon HD 8670D + R7 200 Dual</a>                                                                                                                                                      | 949                                     | 771                       | NA                                    | NA               |
| <a href="#">Quadro CX</a>                                                                                                                                                                          | 947                                     | 774                       | <u>6.32</u>                           | <u>\$149.95*</u> |
| <a href="#">Radeon R7 A8-7500</a>                                                                                                                                                                  | 947                                     | 773                       | NA                                    | NA               |
| <a href="#">Radeon HD 6670/7670</a>                                                                                                                                                                | 945                                     | 775                       | NA                                    | NA               |
| <a href="#">Radeon HD 7640G + 7690M Dual</a>                                                                                                                                                       | 945                                     | 776                       | NA                                    | NA               |
| <a href="#">Radeon R7 PRO A10-8850B</a>                                                                                                                                                            | 945                                     | 777                       | NA                                    | NA               |
| <a href="#">Quadro 2000</a>                                                                                                                                                                        | 943                                     | 778                       | <u>4.34</u>                           | <u>\$217.50</u>  |
| <a href="#">zxvcIntel HD 620</a>                                                                                                                                                                   | 943                                     | -1                        | NA                                    | NA               |
| <a href="#">Radeon HD 7660D + R7 240 Dual</a>                                                                                                                                                      | 941                                     | 779                       | NA                                    | NA               |
| <a href="#">Quadro 2000D</a>                                                                                                                                                                       | 938                                     | 780                       | <u>6.71</u>                           | <u>\$140.00*</u> |
| <a href="#">Radeon R7 M260X</a>                                                                                                                                                                    | 938                                     | 781                       | NA                                    | NA               |
| <a href="#">Radeon HD 6750M</a>                                                                                                                                                                    | 937                                     | 782                       | NA                                    | NA               |
| <a href="#">Radeon 530</a>                                                                                                                                                                         | 935                                     | 783                       | NA                                    | NA               |
| <a href="#">Radeon HD 7560D + HD 8570 Dual</a>                                                                                                                                                     | 935                                     | 784                       | NA                                    | NA               |
| <a href="#">Radeon HD 7660G + 7730M Dual</a>                                                                                                                                                       | 931                                     | 785                       | NA                                    | NA               |
| <a href="#">Radeon R7 240 + HD 8670D Dual</a>                                                                                                                                                      | 930                                     | 787                       | NA                                    | NA               |
| <a href="#">Radeon R7 340</a>                                                                                                                                                                      | 930                                     | 786                       | NA                                    | NA               |
| <a href="#">Radeon. HD 7730M</a>                                                                                                                                                                   | 928                                     | 788                       | NA                                    | NA               |

| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <div>  <b>Video Card</b>  </div> |                                         |                           |                                       |                           |
| <a href="#">Intel HD Graphics 620</a>                                                                                                                                                              | 919                                     | 791                       | NA                                    | NA                        |
| <a href="#">Radeon R5 430</a>                                                                                                                                                                      | 918                                     | 793                       | <a href="#">15.56</a>                 | <a href="#">\$59.00*</a>  |
| <a href="#">Radeon R7 A8-7670K</a>                                                                                                                                                                 | 918                                     | 792                       | NA                                    | NA                        |
| <a href="#">Radeon R7 240 + HD 8570D Dual</a>                                                                                                                                                      | 917                                     | 794                       | NA                                    | NA                        |
| <a href="#">GRID M10-0Q</a>                                                                                                                                                                        | 913                                     | 795                       | NA                                    | NA                        |
| <a href="#">GRID K220Q</a>                                                                                                                                                                         | 912                                     | 797                       | NA                                    | NA                        |
| <a href="#">Radeon R7 A8-8650</a>                                                                                                                                                                  | 912                                     | 796                       | NA                                    | NA                        |
| <a href="#">GRID M6-0B</a>                                                                                                                                                                         | 911                                     | 798                       | NA                                    | NA                        |
| <a href="#">Radeon 6750M</a>                                                                                                                                                                       | 911                                     | 799                       | NA                                    | NA                        |
| <a href="#">Radeon R7 M445</a>                                                                                                                                                                     | 909                                     | 800                       | <a href="#">1.22</a>                  | <a href="#">\$744.00*</a> |
| <a href="#">FirePro W4170M</a>                                                                                                                                                                     | 907                                     | 801                       | NA                                    | NA                        |
| <a href="#">Radeon HD 4770</a>                                                                                                                                                                     | 905                                     | 802                       | NA                                    | NA                        |
| <a href="#">GeForce GT 640M</a>                                                                                                                                                                    | 903                                     | 803                       | NA                                    | NA                        |
| <a href="#">Radeon 620</a>                                                                                                                                                                         | 902                                     | 804                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8550G + 7600M Dual</a>                                                                                                                                                       | 901                                     | 805                       | NA                                    | NA                        |
| <a href="#">Barco MXRT 2600</a>                                                                                                                                                                    | 900                                     | 807                       | <a href="#">4.52</a>                  | <a href="#">\$199.00</a>  |
| <a href="#">Barco MXRT 7400</a>                                                                                                                                                                    | 900                                     | 806                       | <a href="#">9.10</a>                  | <a href="#">\$99.00</a>   |
| <a href="#">Radeon Vega 3</a>                                                                                                                                                                      | 898                                     | 808                       | <a href="#">1.67</a>                  | <a href="#">\$538.99</a>  |
| <a href="#">Radeon R7 + R5 Dual</a>                                                                                                                                                                | 897                                     | 809                       | NA                                    | NA                        |
| <a href="#">7900 MOD - Radeon HD 6550D</a>                                                                                                                                                         | 892                                     | 810                       | NA                                    | NA                        |
| <a href="#">Radeon R7 A10-7860K</a>                                                                                                                                                                | 890                                     | 811                       | NA                                    | NA                        |
| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">Intel UHD 620</a>                                                                                                                                                                      | 888                                     | 812                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8750M</a>                                                                                                                                                                    | 888                                     | 813                       | NA                                    | NA                        |
| <a href="#">Radeon R7 + R5 435 Dual A10-9700 RADEON</a>                                                                                                                                            | 885                                     | 814                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G + 7670M Dual</a>                                                                                                                                                       | 883                                     | 815                       | NA                                    | NA                        |
| <a href="#">Radeon R7 A10-8750</a>                                                                                                                                                                 | 883                                     | 816                       | NA                                    | NA                        |
| <a href="#">Radeon R7 PRO A12-8830B</a>                                                                                                                                                            | 882                                     | 817                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + HD 7730M Dual</a>                                                                                                                                                    | 881                                     | 818                       | NA                                    | NA                        |
| <a href="#">GeForce GT 445M</a>                                                                                                                                                                    | 880                                     | 819                       | NA                                    | NA                        |
| <a href="#">GeForce 920A</a>                                                                                                                                                                       | 879                                     | 820                       | NA                                    | NA                        |
| <a href="#">LMIMIRR</a>                                                                                                                                                                            | 874                                     | 821                       | NA                                    | NA                        |

| Videocard Name                                                                                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
|  <b>Video Card</b> ▼ |                                         |                           |                                       |                           |
| <a href="#">Intel UHD 617</a>                                                                         | 869                                     | 820                       | NA                                    | NA                        |
| <a href="#">Radeon R7 G</a>                                                                           | 869                                     | 824                       | NA                                    | NA                        |
| <a href="#">FirePro W2100</a>                                                                         | 868                                     | 826                       | <a href="#">7.62</a>                  | <a href="#">\$113.99*</a> |
| <a href="#">Radeon HD 8570D + HD 6570 Dual</a>                                                        | 868                                     | 827                       | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 4850</a>                                                               | 866                                     | 828                       | NA                                    | NA                        |
| <a href="#">Radeon R5 PRO A6-8570E R5, 6 COMPUTE CORES 2C+4G</a>                                      | 866                                     | 829                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8470D + HD 6450 Dual</a>                                                        | 862                                     | 830                       | NA                                    | NA                        |
| <a href="#">GeForce GT 635</a>                                                                        | 861                                     | 831                       | <a href="#">12.87</a>                 | <a href="#">\$66.94*</a>  |
| <a href="#">Intel HD 520</a>                                                                          | 860                                     | 832                       | NA                                    | NA                        |
| <a href="#">Intel Iris 6100</a>                                                                       | 856                                     | 833                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8550G + HD 7600M Dual</a>                                                       | 854                                     | 834                       | NA                                    | NA                        |
| <a href="#">FirePro 3D V4800</a>                                                                      | 853                                     | 835                       | <a href="#">5.33</a>                  | <a href="#">\$159.99*</a> |
| <a href="#">Radeon R5 A6-9500 2C+6G</a>                                                               | 853                                     | 836                       | NA                                    | NA                        |
| <a href="#">Radeon R7 A8-7500 4C+6G</a>                                                               | 853                                     | 837                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8500M/8700M</a>                                                                 | 852                                     | 838                       | NA                                    | NA                        |
| <a href="#">Intel HD 6000</a>                                                                         | 849                                     | 839                       | NA                                    | NA                        |
| <a href="#">Radeon R7 240</a>                                                                         | 848                                     | 840                       | <a href="#">3.39</a>                  | <a href="#">\$250.00</a>  |
| <a href="#">Radeon 520</a>                                                                            | 847                                     | 841                       | <a href="#">5.30</a>                  | <a href="#">\$159.99</a>  |
| <a href="#">Radeon R5 PRO A6-8570 2C+6G</a>                                                           | 847                                     | 842                       | NA                                    | NA                        |
| <a href="#">Radeon R5 435</a>                                                                         | 840                                     | 843                       | NA                                    | NA                        |
| <a href="#">FireGL V8600</a>                                                                          | 838                                     | 844                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8470D + 6570 Dual</a>                                                           | 837                                     | 845                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8670D + R5 235 Dual</a>                                                         | 836                                     | 846                       | NA                                    | NA                        |
| <a href="#">GeForce GT 730M</a>                                                                       | 835                                     | 847                       | NA                                    | NA                        |
| <a href="#">Radeon HD 6650A</a>                                                                       | 835                                     | 848                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7560D + 6570 Dual</a>                                                           | 833                                     | 849                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7520G + HD 7500/7600 Dual</a>                                                   | 832                                     | 850                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + 7600M Dual</a>                                                          | 831                                     | 852                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G + 8600/8700M Dual</a>                                                     | 831                                     | 851                       | NA                                    | NA                        |
| <a href="#">Intel HD 5200</a>                                                                         | 830                                     | 853                       | NA                                    | NA                        |
| <a href="#">Radeon R7 PRO A10-8770E</a>                                                               | 828                                     | 854                       | NA                                    | NA                        |

| Videocard Name                                                                                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
|  <b>Video Card</b> ▼ |                                         |                           |                                       |                           |
| <a href="#">Radeon HD 7600M D / 6400 N HD / 6400G + HD / 6000M N HD 7600M D</a>                       | 824                                     | 830                       | NA                                    | NA                        |
| <a href="#">Radeon R7 PRO A10-9700</a>                                                                | 824                                     | 857                       | NA                                    | NA                        |
| <a href="#">Radeon 535DX</a>                                                                          | 822                                     | 859                       | NA                                    | NA                        |
| <a href="#">Radeon HD 3850 X2</a>                                                                     | 822                                     | 860                       | NA                                    | NA                        |
| Videocard Name                                                                                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">Radeon HD 7540D + 7500 Dual</a>                                                           | 821                                     | 861                       | NA                                    | NA                        |
| <a href="#">Radeon R9 M375</a>                                                                        | 820                                     | 862                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8550G + HD 8750M Dual</a>                                                       | 819                                     | 864                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G + HD 7600M Dual</a>                                                       | 819                                     | 863                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7670</a>                                                                        | 816                                     | 865                       | NA                                    | NA                        |
| <a href="#">Radeon R7 A10 Extreme Edition</a>                                                         | 816                                     | 866                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8670D + 7000 Dual</a>                                                           | 811                                     | 867                       | NA                                    | NA                        |
| <a href="#">GRID K1</a>                                                                               | 810                                     | 868                       | <a href="#">2.05</a>                  | <a href="#">\$395.00*</a> |
| <a href="#">Radeon R7 M260DX</a>                                                                      | 810                                     | 869                       | NA                                    | NA                        |
| <a href="#">Radeon R7 A8-9600 RADEON</a>                                                              | 809                                     | 870                       | NA                                    | NA                        |
| <a href="#">Radeon R7 FX-8800P</a>                                                                    | 807                                     | 871                       | NA                                    | NA                        |
| <a href="#">Radeon R8 M445DX</a>                                                                      | 807                                     | 872                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8550G + 8600/8700M Dual</a>                                                     | 802                                     | 873                       | NA                                    | NA                        |
| <a href="#">GeForce GT 730</a>                                                                        | 800                                     | 874                       | <a href="#">7.82</a>                  | <a href="#">\$102.41</a>  |
| <a href="#">Quadro 2000M</a>                                                                          | 800                                     | 875                       | <a href="#">3.49</a>                  | <a href="#">\$229.74</a>  |
| <a href="#">Radeon HD 8650G + HD 8790M Dual</a>                                                       | 799                                     | 876                       | NA                                    | NA                        |
| <a href="#">GeForce 9800 GX2</a>                                                                      | 797                                     | 877                       | <a href="#">4.09</a>                  | <a href="#">\$195.00</a>  |
| <a href="#">Radeon HD 8650G N HD 8650G + HD 8600/8700M Dual</a>                                       | 796                                     | 878                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8550G + 8750M Dual</a>                                                          | 795                                     | 879                       | NA                                    | NA                        |
| <a href="#">GeForce GT 440</a>                                                                        | 788                                     | 880                       | <a href="#">3.50</a>                  | <a href="#">\$225.00</a>  |
| <a href="#">Radeon R5 PRO A8-9600B R5, 10 COMPUTE CORES 4C+6G</a>                                     | 787                                     | 882                       | NA                                    | NA                        |
| <a href="#">Radeon R7 PRO A10-8750B</a>                                                               | 787                                     | 881                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G + 8750M Dual</a>                                                          | 786                                     | 883                       | NA                                    | NA                        |
| <a href="#">Radeon R5 A6-9500 RADEON R5, 8 COMPUTE CORES 2C+6G</a>                                    | 786                                     | 884                       | NA                                    | NA                        |
| <a href="#">GeForce GT 740M</a>                                                                       | 783                                     | 885                       | NA                                    | NA                        |

| Videocard Name                                                                                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
|  <b>Video Card</b> ▼ |                                         |                           |                                       |                           |
| <a href="#">Quadro K420</a>                                                                           | 779                                     | 889                       | <a href="#">2.90</a>                  | <a href="#">\$209.00</a>  |
| <a href="#">Radeon R7 PRO A12-9800B</a>                                                               | 779                                     | 890                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G + HD 8750M Dual</a>                                                       | 778                                     | 891                       | NA                                    | NA                        |
| <a href="#">GRID P40-4Q</a>                                                                           | 777                                     | 892                       | NA                                    | NA                        |
| <a href="#">GeForce 730A</a>                                                                          | 776                                     | 893                       | NA                                    | NA                        |
| <a href="#">Radeon HD 5670</a>                                                                        | 776                                     | 894                       | <a href="#">11.95</a>                 | <a href="#">\$64.99</a>   |
| <a href="#">Radeon HD 7640G + 7500M/7600M Dual</a>                                                    | 775                                     | 895                       | NA                                    | NA                        |
| <a href="#">GeForce GT 340</a>                                                                        | 774                                     | 896                       | <a href="#">14.62</a>                 | <a href="#">\$52.99*</a>  |
| <a href="#">RadeonT Vega 3</a>                                                                        | 774                                     | -1                        | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 5000</a>                                                               | 773                                     | 899                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7600M + 7600M Dual</a>                                                          | 773                                     | 897                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G N HD 8650G + HD 8570M Dual</a>                                            | 773                                     | 898                       | NA                                    | NA                        |
| <a href="#">Radeon R5 PRO A6-9500E 2C+4G</a>                                                          | 770                                     | 900                       | NA                                    | NA                        |
| <a href="#">GeForce 9800 GTX</a>                                                                      | 769                                     | 903                       | <a href="#">7.69</a>                  | <a href="#">\$99.99*</a>  |
| <a href="#">Quadro K600</a>                                                                           | 769                                     | 901                       | <a href="#">12.77</a>                 | <a href="#">\$60.24*</a>  |
| <a href="#">Radeon HD 4810</a>                                                                        | 769                                     | 902                       | NA                                    | NA                        |
| <a href="#">GeForce 825M</a>                                                                          | 768                                     | 904                       | NA                                    | NA                        |
| <a href="#">Radeon R7 A10-7890K</a>                                                                   | 767                                     | 905                       | NA                                    | NA                        |
| <a href="#">Radeon R5 M435</a>                                                                        | 766                                     | 906                       | NA                                    | NA                        |
| <a href="#">Intel UHD 615</a>                                                                         | 765                                     | 907                       | NA                                    | NA                        |
| <a href="#">Quadro K1000M</a>                                                                         | 765                                     | 908                       | <a href="#">10.94</a>                 | <a href="#">\$69.95*</a>  |
| Videocard Name                                                                                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">Radeon R7 A12-9720P RADEON</a>                                                            | 764                                     | 909                       | <a href="#">2.09</a>                  | <a href="#">\$365.48*</a> |
| <a href="#">Mobility Radeon HD 5850</a>                                                               | 763                                     | 911                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G + HD 8600/8700M Dual</a>                                                  | 763                                     | 910                       | NA                                    | NA                        |
| <a href="#">Radeon HD 6450 + 8470D Dual</a>                                                           | 762                                     | 912                       | NA                                    | NA                        |
| <a href="#">Radeon R7 PRO A10-9700E</a>                                                               | 761                                     | 913                       | <a href="#">1.44</a>                  | <a href="#">\$529.00*</a> |
| <a href="#">Radeon HD 7660G + HD 7500/7600 Dual</a>                                                   | 760                                     | 914                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + HD 8500M Dual</a>                                                       | 758                                     | 915                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + 7700M Dual</a>                                                          | 757                                     | 918                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G + HD 8600M N HD 8600M Dual</a>                                            | 757                                     | 917                       | NA                                    | NA                        |
| <a href="#">Radeon R7 PRO A10-9700B</a>                                                               | 757                                     | 916                       | NA                                    | NA                        |

| Videocard Name                                       | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)           |
|------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|--------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼             |                                         |                           |                                       |                          |
| <a href="#">Radeon HD 7490G + 7490M Dual</a>         | 734                                     | 921                       | NA                                    | NA                       |
| <a href="#">Radeon HD 8570D + HD 7000 Dual</a>       | 753                                     | 923                       | NA                                    | NA                       |
| <a href="#">Radeon R5 A6-7480</a>                    | 753                                     | 922                       | NA                                    | NA                       |
| <a href="#">Radeon HD 7660G + HD 7700M Dual</a>      | 751                                     | 924                       | NA                                    | NA                       |
| <a href="#">Incredible HD 4600</a>                   | 749                                     | 925                       | NA                                    | NA                       |
| <a href="#">Radeon M535DX</a>                        | 749                                     | 926                       | NA                                    | NA                       |
| <a href="#">Radeon HD 7640G + 7650M Dual</a>         | 747                                     | 927                       | NA                                    | NA                       |
| <a href="#">Radeon HD 7660G + HD 8600/8700M Dual</a> | 747                                     | 928                       | NA                                    | NA                       |
| <a href="#">Intel Iris 5100</a>                      | 746                                     | 929                       | NA                                    | NA                       |
| <a href="#">Radeon HD 8670D + R5 330 Dual</a>        | 746                                     | 930                       | NA                                    | NA                       |
| <a href="#">Radeon HD 7660G + 7610M Dual</a>         | 745                                     | 932                       | NA                                    | NA                       |
| <a href="#">Radeon R7 A8-7600</a>                    | 745                                     | 933                       | NA                                    | NA                       |
| <a href="#">Radeon R7 M270</a>                       | 745                                     | 931                       | NA                                    | NA                       |
| <a href="#">Radeon HD 7660G + 7670M Dual</a>         | 743                                     | 935                       | NA                                    | NA                       |
| <a href="#">Radeon R5 235 + HD 7560D Dual</a>        | 743                                     | 934                       | NA                                    | NA                       |
| <a href="#">GeForce GT 730A</a>                      | 742                                     | 936                       | NA                                    | NA                       |
| <a href="#">Radeon HD 8650G + 7600M Dual</a>         | 741                                     | 937                       | NA                                    | NA                       |
| <a href="#">Radeon HD 6650M</a>                      | 740                                     | 939                       | NA                                    | NA                       |
| <a href="#">Radeon R8 M365DX</a>                     | 740                                     | 938                       | NA                                    | NA                       |
| <a href="#">Radeon R7 A10-7800</a>                   | 739                                     | 940                       | NA                                    | NA                       |
| <a href="#">Intel Poison Ivy</a>                     | 738                                     | 941                       | NA                                    | NA                       |
| <a href="#">Radeon HD 7670M + 7670M Dual</a>         | 738                                     | 942                       | NA                                    | NA                       |
| <a href="#">Radeon R5 235 + HD 8570D Dual</a>        | 737                                     | 943                       | NA                                    | NA                       |
| <a href="#">Intel HD 615</a>                         | 733                                     | 944                       | NA                                    | NA                       |
| <a href="#">Radeon R5 A10-9620P 4C+6G</a>            | 731                                     | 945                       | NA                                    | NA                       |
| <a href="#">Quadro K610M</a>                         | 729                                     | 946                       | <a href="#">3.04</a>                  | <a href="#">\$240.00</a> |
| <a href="#">Radeon HD 7550M/7650M</a>                | 728                                     | 947                       | NA                                    | NA                       |
| <a href="#">GeForce 920M</a>                         | 727                                     | 949                       | NA                                    | NA                       |
| <a href="#">GRID K140Q</a>                           | 727                                     | 948                       | NA                                    | NA                       |
| <a href="#">Intel UHD 610</a>                        | 727                                     | 951                       | NA                                    | NA                       |
| <a href="#">Radeon HD 6800M</a>                      | 727                                     | 950                       | NA                                    | NA                       |
| <a href="#">Radeon HD 6670</a>                       | 725                                     | 952                       | <a href="#">5.18</a>                  | <a href="#">\$139.96</a> |

| Videocard Name                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Radeon HD 8650G + R5 M200 Dual</a>                     | 722                                     | 955                       | NA                                    | NA                        |
| <a href="#">NVS 510</a>                                            | 721                                     | 957                       | <a href="#">3.15</a>                  | <a href="#">\$229.00</a>  |
| <a href="#">Radeon R7 A360</a>                                     | 721                                     | 956                       | NA                                    | NA                        |
| Videocard Name                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">Asus GTX 650 FML II EC-EGPU</a>                        | 720                                     | 958                       | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 4870</a>                            | 719                                     | 959                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7540D + 6570 Dual</a>                        | 719                                     | 961                       | NA                                    | NA                        |
| <a href="#">Radeon R7 PRO A12-8800B</a>                            | 719                                     | 960                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8670D + HD 7000 Dual</a>                     | 718                                     | 962                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8470D + 6450 Dual</a>                        | 717                                     | 963                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G + HD 8570M Dual</a>                    | 716                                     | 964                       | NA                                    | NA                        |
| <a href="#">Intel HD 5600</a>                                      | 712                                     | 965                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + HD 8670M Dual</a>                    | 711                                     | 966                       | NA                                    | NA                        |
| <a href="#">Radeon HD 3870 X2</a>                                  | 708                                     | 967                       | NA                                    | NA                        |
| <a href="#">GeForce GT 740A</a>                                    | 707                                     | 969                       | NA                                    | NA                        |
| <a href="#">Radeon HD 6550A</a>                                    | 707                                     | 968                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + HD 7670M Dual</a>                    | 706                                     | 970                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + 7600M Dual</a>                       | 705                                     | 971                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + HD 7600M Dual</a>                    | 704                                     | 974                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G N HD 7660G + HD 7670M Dual</a>         | 704                                     | 972                       | NA                                    | NA                        |
| <a href="#">Radeon R5 A10-9600P RADEON R5, 10 COMPUTE CORES 4C</a> | 704                                     | 973                       | NA                                    | NA                        |
| <a href="#">GeForce GT 555M</a>                                    | 703                                     | 975                       | <a href="#">3.97</a>                  | <a href="#">\$177.20</a>  |
| <a href="#">Radeon R5 A6-8500P</a>                                 | 702                                     | 977                       | NA                                    | NA                        |
| <a href="#">Radeon R7 A8-7680</a>                                  | 702                                     | 976                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7570M/HD 7670M</a>                           | 699                                     | 979                       | NA                                    | NA                        |
| <a href="#">TRINITY DEVASTATOR MOBILE</a>                          | 699                                     | 978                       | NA                                    | NA                        |
| <a href="#">Radeon R8 M535DX</a>                                   | 698                                     | 980                       | NA                                    | NA                        |
| <a href="#">Radeon R7 FX-9800P RADEON</a>                          | 697                                     | 981                       | <a href="#">1.32</a>                  | <a href="#">\$530.00*</a> |
| <a href="#">Radeon R5 PRO A10-8730B 4C+6G</a>                      | 695                                     | 982                       | NA                                    | NA                        |
| <a href="#">Radeon R5 PRO A6-9500B 2C+4G</a>                       | 693                                     | 983                       | NA                                    | NA                        |
| <a href="#">Radeon R7 PRO A8-8650B</a>                             | 692                                     | 984                       | NA                                    | NA                        |

| Videocard Name                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼                           |                                         |                           |                                       |                           |
| <a href="#">Radeon R5 PRO A8-8530B 2G+4G</a>                       | 689                                     | 987                       | NA                                    | NA                        |
| <a href="#">GeForce GT 640M LE</a>                                 | 688                                     | 988                       | <a href="#">0.81</a>                  | <a href="#">\$849.99*</a> |
| <a href="#">Radeon HD 7640G + 8600/8700M Dual</a>                  | 688                                     | 989                       | NA                                    | NA                        |
| <a href="#">GeForce GT 530</a>                                     | 687                                     | 990                       | <a href="#">14.03</a>                 | <a href="#">\$49.00*</a>  |
| <a href="#">Radeon HD 8650G + R5 M230 Dual</a>                     | 686                                     | 991                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8550D</a>                                    | 685                                     | 992                       | NA                                    | NA                        |
| <a href="#">Radeon HD 6630M</a>                                    | 684                                     | 993                       | NA                                    | NA                        |
| <a href="#">Radeon R7 A12-9700P RADEON</a>                         | 684                                     | 994                       | <a href="#">1.57</a>                  | <a href="#">\$435.92*</a> |
| <a href="#">Radeon R7 A10-7700K</a>                                | 683                                     | 995                       | NA                                    | NA                        |
| <a href="#">GRID P40-3Q</a>                                        | 681                                     | 996                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G N HD 7640G + HD 7670M Dual</a>         | 679                                     | 998                       | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G N HD 8650G + HD 8600M N HD 8600M D</a> | 679                                     | 997                       | NA                                    | NA                        |
| <a href="#">GeForce GTS 160M</a>                                   | 678                                     | 999                       | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + HD 8670M Dual</a>                    | 677                                     | 1000                      | NA                                    | NA                        |
| <a href="#">Quadro FX 4700 X2</a>                                  | 676                                     | 1002                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8610G + R5 M200 Dual</a>                     | 676                                     | 1001                      | NA                                    | NA                        |
| <a href="#">GeForce GT 630</a>                                     | 675                                     | 1004                      | <a href="#">4.45</a>                  | <a href="#">\$152.00</a>  |
| <a href="#">GeForce GTX 285M</a>                                   | 675                                     | 1003                      | NA                                    | NA                        |
| <a href="#">FirePro V3900</a>                                      | 673                                     | 1005                      | <a href="#">13.42</a>                 | <a href="#">\$50.21</a>   |
| <a href="#">Intel HD 610</a>                                       | 668                                     | 1006                      | NA                                    | NA                        |
| Videocard Name                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">FirePro M7740</a>                                      | 665                                     | 1008                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + HD 8500M N HD 8500M Dual</a>         | 665                                     | 1007                      | NA                                    | NA                        |
| <a href="#">Quadro 500M</a>                                        | 664                                     | 1010                      | <a href="#">2.41</a>                  | <a href="#">\$275.14*</a> |
| <a href="#">Radeon HD 8550G + 8690M Dual</a>                       | 664                                     | 1009                      | NA                                    | NA                        |
| <a href="#">FireGL V7700</a>                                       | 660                                     | 1012                      | <a href="#">9.43</a>                  | <a href="#">\$69.99</a>   |
| <a href="#">Radeon HD 5600/5700</a>                                | 660                                     | 1011                      | NA                                    | NA                        |
| <a href="#">Radeon HD 2900 XT</a>                                  | 659                                     | 1013                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + HD 7600M Dual</a>                    | 659                                     | 1014                      | NA                                    | NA                        |
| <a href="#">Radeon R5 PRO A8-9600B 4G+6G</a>                       | 658                                     | 1015                      | NA                                    | NA                        |
| <a href="#">GeForce GT 140</a>                                     | 657                                     | 1016                      | NA                                    | NA                        |

| Videocard Name                                                                                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)           |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|--------------------------|
|  <b>Video Card</b> ▼ |                                         |                           |                                       |                          |
| <a href="#">Radeon HD 8650G + HD 8650M Dual</a>                                                       | 654                                     | 1010                      | NA                                    | NA                       |
| <a href="#">Radeon HD 8650G + 8570M Dual</a>                                                          | 654                                     | 1020                      | NA                                    | NA                       |
| <a href="#">Professional HD Driver</a>                                                                | 653                                     | 1021                      | NA                                    | NA                       |
| <a href="#">Radeon HD 8730M</a>                                                                       | 653                                     | 1022                      | NA                                    | NA                       |
| <a href="#">Radeon HD 7730M</a>                                                                       | 652                                     | 1023                      | NA                                    | NA                       |
| <a href="#">Radeon HD 7520G + HD 8750M Dual</a>                                                       | 651                                     | 1024                      | NA                                    | NA                       |
| <a href="#">GeForce GTS 360M</a>                                                                      | 650                                     | 1025                      | NA                                    | NA                       |
| <a href="#">SUMO 9640</a>                                                                             | 650                                     | 1026                      | NA                                    | NA                       |
| <a href="#">Radeon R5 M430</a>                                                                        | 648                                     | 1027                      | NA                                    | NA                       |
| <a href="#">FireStream 9170</a>                                                                       | 647                                     | 1028                      | NA                                    | NA                       |
| <a href="#">Radeon HD 6670 + 6670 Dual</a>                                                            | 646                                     | 1029                      | NA                                    | NA                       |
| <a href="#">Radeon HD 8610G + HD 8500M Dual</a>                                                       | 645                                     | 1030                      | NA                                    | NA                       |
| <a href="#">Radeon HD 7640G + 7670M Dual</a>                                                          | 644                                     | 1031                      | NA                                    | NA                       |
| <a href="#">Radeon HD 7540D + HD 6450 Dual</a>                                                        | 643                                     | 1032                      | NA                                    | NA                       |
| <a href="#">Radeon R7 A8 PRO-7600B</a>                                                                | 642                                     | 1033                      | NA                                    | NA                       |
| <a href="#">NVS 5400M</a>                                                                             | 640                                     | 1034                      | NA                                    | NA                       |
| <a href="#">Radeon R7 M340</a>                                                                        | 639                                     | 1035                      | NA                                    | NA                       |
| <a href="#">GeForce 8800 Ultra</a>                                                                    | 638                                     | 1037                      | NA                                    | NA                       |
| <a href="#">Radeon R6</a>                                                                             | 638                                     | 1036                      | NA                                    | NA                       |
| <a href="#">Radeon HD 7640G + 7400M Dual</a>                                                          | 637                                     | 1039                      | NA                                    | NA                       |
| <a href="#">Radeon HD 8450G + 8750M Dual</a>                                                          | 637                                     | 1040                      | NA                                    | NA                       |
| <a href="#">Radeon R5 PRO A6-8570E 2C+4G</a>                                                          | 637                                     | 1038                      | NA                                    | NA                       |
| <a href="#">GeForce GT 710</a>                                                                        | 636                                     | 1041                      | <a href="#">6.01</a>                  | <a href="#">\$105.99</a> |
| <a href="#">GeForce 9800 S</a>                                                                        | 635                                     | 1042                      | NA                                    | NA                       |
| <a href="#">Radeon HD 8650G + 8670M Dual</a>                                                          | 635                                     | 1043                      | NA                                    | NA                       |
| <a href="#">Intel HD P4600/P4700</a>                                                                  | 634                                     | 1045                      | NA                                    | NA                       |
| <a href="#">Matrox C420 LP PCIe x16</a>                                                               | 634                                     | 1044                      | NA                                    | NA                       |
| <a href="#">Radeon HD 8650G + HD 7670M Dual</a>                                                       | 634                                     | 1046                      | NA                                    | NA                       |
| <a href="#">Radeon HD 7660D + HD 7000 Dual</a>                                                        | 633                                     | 1047                      | NA                                    | NA                       |
| <a href="#">Radeon HD 7610M</a>                                                                       | 632                                     | 1048                      | NA                                    | NA                       |
| <a href="#">GeForce 9800 GTX/9800 GTX+</a>                                                            | 630                                     | 1051                      | <a href="#">7.01</a>                  | <a href="#">\$89.99*</a> |
| <a href="#">GeForce GTS 240</a>                                                                       | 630                                     | 1052                      | <a href="#">9.70</a>                  | <a href="#">\$64.99*</a> |

| Videocard Name                                                                                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)           |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|--------------------------|
|  <b>Video Card</b> ▼ |                                         |                           |                                       |                          |
| <a href="#">Radeon HD 8510G + HD 8500M Dual</a>                                                       | 629                                     | 1053                      | NA                                    | NA                       |
| <a href="#">GRID K160Q</a>                                                                            | 628                                     | 1054                      | NA                                    | NA                       |
| <a href="#">GeForce 810A</a>                                                                          | 627                                     | 1057                      | NA                                    | NA                       |
| Videocard Name                                                                                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)           |
| <a href="#">Radeon HD 2900 PRO</a>                                                                    | 627                                     | 1055                      | NA                                    | NA                       |
| <a href="#">Radeon HD 7640G + 7500/7600 Dual</a>                                                      | 627                                     | 1056                      | NA                                    | NA                       |
| <a href="#">Intel HD 4600</a>                                                                         | 626                                     | 1059                      | NA                                    | NA                       |
| <a href="#">Radeon HD 7570</a>                                                                        | 626                                     | 1060                      | <a href="#">6.11</a>                  | <a href="#">\$102.49</a> |
| <a href="#">Radeon HD 8650G + 8500M Dual</a>                                                          | 626                                     | 1058                      | NA                                    | NA                       |
| <a href="#">Radeon HD 7520G + HD 8600/8700M Dual</a>                                                  | 623                                     | 1061                      | NA                                    | NA                       |
| <a href="#">GeForce GTS 250</a>                                                                       | 621                                     | 1063                      | <a href="#">10.35</a>                 | <a href="#">\$59.99</a>  |
| <a href="#">GeForce GTX 280M</a>                                                                      | 621                                     | 1064                      | NA                                    | NA                       |
| <a href="#">Radeon HD 7640G + HD 7400M Dual</a>                                                       | 621                                     | 1062                      | NA                                    | NA                       |
| <a href="#">Intel HD 510</a>                                                                          | 620                                     | 1066                      | NA                                    | NA                       |
| <a href="#">Radeon HD 8570 + 8670D Dual</a>                                                           | 620                                     | 1065                      | NA                                    | NA                       |
| <a href="#">Radeon HD 8550G + R5 M200 Dual</a>                                                        | 619                                     | 1067                      | NA                                    | NA                       |
| <a href="#">Radeon R5 A10-9600P 4C+6G</a>                                                             | 619                                     | 1068                      | NA                                    | NA                       |
| <a href="#">Intel HD 515</a>                                                                          | 618                                     | 1069                      | NA                                    | NA                       |
| <a href="#">Radeon HD 8550G + 8600M Dual</a>                                                          | 617                                     | 1070                      | NA                                    | NA                       |
| <a href="#">Radeon HD 7500G + 7500M/7600M Dual</a>                                                    | 616                                     | 1071                      | NA                                    | NA                       |
| <a href="#">FireGL V7600</a>                                                                          | 615                                     | 1072                      | NA                                    | NA                       |
| <a href="#">Radeon HD 8650G + 8600M Dual</a>                                                          | 613                                     | 1074                      | NA                                    | NA                       |
| <a href="#">Radeon R7 A8-7650K</a>                                                                    | 613                                     | 1073                      | NA                                    | NA                       |
| <a href="#">Radeon HD 8550G N HD 8550G + HD 8600M N HD 8600M D</a>                                    | 611                                     | 1075                      | NA                                    | NA                       |
| <a href="#">7900 MOD - Radeon HD 6520G</a>                                                            | 610                                     | 1076                      | NA                                    | NA                       |
| <a href="#">Quadro K510M</a>                                                                          | 610                                     | 1077                      | NA                                    | NA                       |
| <a href="#">Radeon HD 8610G + 8500M Dual</a>                                                          | 610                                     | 1078                      | NA                                    | NA                       |
| <a href="#">Radeon R5 A10-9620P RADEON R5, 10 COMPUTE CORES 4C</a>                                    | 608                                     | 1079                      | NA                                    | NA                       |
| <a href="#">GeForce 8800 GTS 512</a>                                                                  | 607                                     | 1081                      | NA                                    | NA                       |
| <a href="#">Radeon HD 7640G + HD 8500M Dual</a>                                                       | 607                                     | 1080                      | NA                                    | NA                       |
| <a href="#">Radeon HD 8650G + HD 8600M Dual</a>                                                       | 606                                     | 1083                      | NA                                    | NA                       |

| Videocard Name                                                    | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|-------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼                          |                                         |                           |                                       |                           |
| <a href="#">Intel HD P4600</a>                                    | 604                                     | 1085                      | NA                                    | NA                        |
| <a href="#">GeForce 8800 GTX</a>                                  | 603                                     | 1086                      | <a href="#">3.02</a>                  | <a href="#">\$199.99*</a> |
| <a href="#">Radeon HD 8550G + 8500M Dual</a>                      | 602                                     | 1087                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8610G + 8670M Dual</a>                      | 599                                     | 1088                      | NA                                    | NA                        |
| <a href="#">GeForce GT 720</a>                                    | 598                                     | 1089                      | <a href="#">5.98</a>                  | <a href="#">\$99.99*</a>  |
| <a href="#">Radeon HD 8510G + 8500M Dual</a>                      | 596                                     | 1090                      | NA                                    | NA                        |
| <a href="#">GeForce GT 720A</a>                                   | 595                                     | 1093                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + 7470M Dual</a>                      | 595                                     | 1092                      | NA                                    | NA                        |
| <a href="#">Radeon R5 M330</a>                                    | 595                                     | 1091                      | NA                                    | NA                        |
| <a href="#">Quadro 1000M</a>                                      | 594                                     | 1094                      | <a href="#">10.90</a>                 | <a href="#">\$54.50*</a>  |
| <a href="#">Radeon HD 8550G + HD 8600M Dual</a>                   | 593                                     | 1095                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7520G + 7600M Dual</a>                      | 591                                     | 1096                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + HD 7700M Dual</a>                   | 589                                     | 1097                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7520G + 7610M Dual</a>                      | 588                                     | 1100                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + 7400M Dual</a>                      | 588                                     | 1101                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8610G + 8600M Dual</a>                      | 588                                     | 1098                      | NA                                    | NA                        |
| <a href="#">Radeon R5 PRO A10-8730B R5_10 COMPUTE CORES 4C+6G</a> | 588                                     | 1099                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + 8670M Dual</a>                      | 587                                     | 1102                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + HD 8600/8700M Dual</a>              | 586                                     | 1103                      | NA                                    | NA                        |
| <a href="#">GeForce GT 550M</a>                                   | 585                                     | 1105                      | NA                                    | NA                        |
| Videocard Name                                                    | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">Radeon HD 7640G + 8500M Dual</a>                      | 585                                     | 1104                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G + HD 8670M Dual</a>                   | 585                                     | 1106                      | NA                                    | NA                        |
| <a href="#">Quadro FX 3800M</a>                                   | 584                                     | 1107                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7520G + 7500/7600 Dual</a>                  | 582                                     | 1108                      | NA                                    | NA                        |
| <a href="#">Intel HD 5500</a>                                     | 581                                     | 1109                      | NA                                    | NA                        |
| <a href="#">GeForce GT 430</a>                                    | 579                                     | 1110                      | <a href="#">3.86</a>                  | <a href="#">\$149.99</a>  |
| <a href="#">Radeon HD 8550G + 8670M Dual</a>                      | 579                                     | 1111                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8450G + R5 M230 Dual</a>                    | 578                                     | 1112                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7620G + 8670M Dual</a>                      | 577                                     | 1115                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8610G + HD 8670M Dual</a>                   | 577                                     | 1114                      | NA                                    | NA                        |

| Videocard Name                                                                                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)   |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|------------------|
|  <b>Video Card</b> ▼ |                                         |                           |                                       |                  |
| <u>Radeon HD A440</u>                                                                                 | 570                                     | 1117                      | NA                                    | NA               |
| <u>Radeon HD 3870</u>                                                                                 | 575                                     | 1118                      | <u>7.20</u>                           | <u>\$79.99</u>   |
| <u>Radeon HD 7520G + HD 7700M Dual</u>                                                                | 574                                     | 1119                      | NA                                    | NA               |
| <u>Radeon HD 7520G N HD 7520G + HD 7500/7600 7500/760</u>                                             | 574                                     | 1121                      | NA                                    | NA               |
| <u>Radeon HD 8450G + HD 8670M Dual</u>                                                                | 574                                     | 1122                      | NA                                    | NA               |
| <u>Radeon R5 420</u>                                                                                  | 574                                     | 1120                      | <u>14.39</u>                          | <u>\$39.95*</u>  |
| <u>Radeon R6 + R7 M265DX Dual</u>                                                                     | 570                                     | 1123                      | NA                                    | NA               |
| <u>Radeon HD 7560D + 6450 Dual</u>                                                                    | 568                                     | 1124                      | NA                                    | NA               |
| <u>GeForce 820A</u>                                                                                   | 566                                     | 1125                      | NA                                    | NA               |
| <u>Radeon HD 6610M</u>                                                                                | 565                                     | 1126                      | NA                                    | NA               |
| <u>GeForce GT 635M</u>                                                                                | 564                                     | 1127                      | NA                                    | NA               |
| <u>Radeon 6600M</u>                                                                                   | 563                                     | 1128                      | NA                                    | NA               |
| <u>Radeon HD 7560D + R5 235 Dual</u>                                                                  | 563                                     | 1129                      | NA                                    | NA               |
| <u>Quadro FX 5600</u>                                                                                 | 561                                     | 1130                      | <u>3.32</u>                           | <u>\$168.98*</u> |
| <u>Radeon R6 A8-8600P</u>                                                                             | 560                                     | 1131                      | NA                                    | NA               |
| <u>Radeon HD 7640G + R5 M200 Dual</u>                                                                 | 559                                     | 1132                      | NA                                    | NA               |
| <u>Radeon HD 7650A</u>                                                                                | 559                                     | 1133                      | <u>2.14</u>                           | <u>\$262.00*</u> |
| <u>GeForce GT 435M</u>                                                                                | 558                                     | 1137                      | NA                                    | NA               |
| <u>Radeon HD 7640G + 8570M Dual</u>                                                                   | 558                                     | 1136                      | NA                                    | NA               |
| <u>Radeon HD 7640G + 8670M Dual</u>                                                                   | 558                                     | 1135                      | NA                                    | NA               |
| <u>Radeon HD 8550G + HD 8500M Dual</u>                                                                | 558                                     | 1134                      | NA                                    | NA               |
| <u>Radeon R7 M360</u>                                                                                 | 557                                     | 1138                      | NA                                    | NA               |
| <u>GeForce 910M</u>                                                                                   | 556                                     | 1139                      | NA                                    | NA               |
| <u>Radeon HD 7600G + HD 7500M/7600M Dual</u>                                                          | 555                                     | 1140                      | NA                                    | NA               |
| <u>GF117</u>                                                                                          | 554                                     | 1142                      | NA                                    | NA               |
| <u>Intel HD 5000</u>                                                                                  | 554                                     | 1141                      | <u>0.89</u>                           | <u>\$625.00*</u> |
| <u>GeForce GT 240</u>                                                                                 | 552                                     | 1143                      | <u>3.12</u>                           | <u>\$176.80</u>  |
| <u>GeForce 615</u>                                                                                    | 551                                     | 1144                      | NA                                    | NA               |
| <u>Quadro 600</u>                                                                                     | 551                                     | 1145                      | <u>7.26</u>                           | <u>\$76.00*</u>  |
| <u>Radeon R7 7850A10-7850K</u>                                                                        | 551                                     | 1146                      | NA                                    | NA               |
| <u>FireGL V8650</u>                                                                                   | 550                                     | 1149                      | <u>1.67</u>                           | <u>\$329.99*</u> |

| Videocard Name                                                                                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
|  <b>Video Card</b> ▼ |                                         |                           |                                       |                           |
| <a href="#">Radeon HD M330</a>                                                                        | 540                                     | 1130                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 3870</a>                                                               | 547                                     | 1151                      | NA                                    | NA                        |
| <a href="#">FirePro 3D V5700</a>                                                                      | 546                                     | 1152                      | <a href="#">1.71</a>                  | <a href="#">\$319.99*</a> |
| <a href="#">Radeon HD 8550G + HD 8670M Dual</a>                                                       | 546                                     | 1153                      | NA                                    | NA                        |
| Videocard Name                                                                                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">FirePro 3D V7750</a>                                                                      | 545                                     | 1156                      | <a href="#">1.56</a>                  | <a href="#">\$350.00*</a> |
| <a href="#">GeForce GT 630M</a>                                                                       | 545                                     | 1154                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8450G + 8600M Dual</a>                                                          | 545                                     | 1155                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7520G + HD 7400M Dual</a>                                                       | 544                                     | 1157                      | NA                                    | NA                        |
| <a href="#">Quadro FX 2700</a>                                                                        | 543                                     | 1159                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7600G + HD 8670M Dual</a>                                                       | 543                                     | 1158                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7520G + 7470M Dual</a>                                                          | 542                                     | 1160                      | NA                                    | NA                        |
| <a href="#">NVS 5200M</a>                                                                             | 541                                     | 1161                      | NA                                    | NA                        |
| <a href="#">Radeon R6 PRO A10-8700B R6, 10 Compute Cores 4C+6G</a>                                    | 539                                     | 1163                      | NA                                    | NA                        |
| <a href="#">Radeon R7 M265DX</a>                                                                      | 539                                     | 1162                      | NA                                    | NA                        |
| <a href="#">KV SPECTRE LITE MOBILE 25W</a>                                                            | 538                                     | 1164                      | NA                                    | NA                        |
| <a href="#">Radeon R6 PRO A10-8700B 4C+6G</a>                                                         | 538                                     | 1165                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7560D + HD 7000 Dual</a>                                                        | 534                                     | 1166                      | NA                                    | NA                        |
| <a href="#">GRID K180Q</a>                                                                            | 533                                     | 1167                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8550G + 8570M Dual</a>                                                          | 532                                     | 1169                      | NA                                    | NA                        |
| <a href="#">Radeon R5 M255</a>                                                                        | 532                                     | 1168                      | NA                                    | NA                        |
| <a href="#">Radeon R6 M255DX</a>                                                                      | 532                                     | 1170                      | NA                                    | NA                        |
| <a href="#">RADEON HD6530D</a>                                                                        | 531                                     | 1172                      | NA                                    | NA                        |
| <a href="#">Radeon R6 PRO A8-8600B 4C+6G</a>                                                          | 531                                     | 1171                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8550G + HD 8570M Dual</a>                                                       | 529                                     | 1173                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8670D</a>                                                                       | 527                                     | 1174                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7600G N HD 7600G + HD ON HD Dual</a>                                            | 526                                     | 1176                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + 6400M Dual</a>                                                          | 526                                     | 1175                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8650D</a>                                                                       | 525                                     | 1177                      | NA                                    | NA                        |
| <a href="#">Intel HD 4400</a>                                                                         | 524                                     | 1178                      | NA                                    | NA                        |
| <a href="#">Radeon R6 PRO A8-8600B R6, 10 Compute Cores 4C+6G</a>                                     | 524                                     | 1179                      | NA                                    | NA                        |

| Videocard Name                                                   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)           |
|------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|--------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼                         |                                         |                           |                                       |                          |
| <a href="#">Radeon HD 7850D + HD 7850 Dual</a>                   | 520                                     | 1180                      | NA                                    | NA                       |
| <a href="#">GeForce GT 425M</a>                                  | 521                                     | 1183                      | NA                                    | NA                       |
| <a href="#">MCT USB3.0 External Device</a>                       | 520                                     | -1                        | NA                                    | NA                       |
| <a href="#">Radeon HD 8670M</a>                                  | 520                                     | 1184                      | NA                                    | NA                       |
| <a href="#">Radeon HD 7640G + HD 7670M Dual</a>                  | 518                                     | 1185                      | NA                                    | NA                       |
| <a href="#">GeForce 8800 GT</a>                                  | 517                                     | 1187                      | <a href="#">3.14</a>                  | <a href="#">\$165.00</a> |
| <a href="#">Incredible HD 4000</a>                               | 517                                     | 1188                      | NA                                    | NA                       |
| <a href="#">Radeon HD 7660D</a>                                  | 517                                     | 1186                      | NA                                    | NA                       |
| <a href="#">Intel HD P4000</a>                                   | 516                                     | 1189                      | NA                                    | NA                       |
| <a href="#">Radeon R5 240</a>                                    | 514                                     | 1190                      | <a href="#">6.05</a>                  | <a href="#">\$85.00*</a> |
| <a href="#">A10-8700P</a>                                        | 513                                     | 1191                      | NA                                    | NA                       |
| <a href="#">GeForce 820M</a>                                     | 513                                     | 1192                      | NA                                    | NA                       |
| <a href="#">Mobility Radeon HD 4830</a>                          | 511                                     | 1193                      | NA                                    | NA                       |
| <a href="#">GeForce 9800 GTX+</a>                                | 510                                     | 1194                      | NA                                    | NA                       |
| <a href="#">Radeon HD 7640G + 7610M Dual</a>                     | 510                                     | 1195                      | NA                                    | NA                       |
| <a href="#">Radeon HD 7600G + HD 7550M Dual</a>                  | 509                                     | 1197                      | NA                                    | NA                       |
| <a href="#">Radeon HD 8650G</a>                                  | 509                                     | 1196                      | NA                                    | NA                       |
| <a href="#">Radeon HD 7620G + 8600M Dual</a>                     | 508                                     | 1198                      | NA                                    | NA                       |
| <a href="#">Radeon R5 PRO A6-8500B 2C+4G</a>                     | 508                                     | 1199                      | NA                                    | NA                       |
| <a href="#">GeForce GT625M</a>                                   | 507                                     | 1201                      | NA                                    | NA                       |
| <a href="#">Radeon HD 7620G + HD 8670M Dual</a>                  | 507                                     | 1200                      | NA                                    | NA                       |
| Videocard Name                                                   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)           |
| <a href="#">Radeon R5 PRO A6-9500B R5, 6 COMPUTE CORES 2C+4G</a> | 506                                     | -1                        | NA                                    | NA                       |
| <a href="#">GeForce GTS 150M</a>                                 | 504                                     | 1202                      | NA                                    | NA                       |
| <a href="#">Radeon HD 8450G + HD 8750M Dual</a>                  | 503                                     | 1203                      | NA                                    | NA                       |
| <a href="#">Radeon HD 6570</a>                                   | 501                                     | 1204                      | <a href="#">7.06</a>                  | <a href="#">\$71.00</a>  |
| <a href="#">TRINITY SCRAPPER MOBILE</a>                          | 498                                     | 1205                      | NA                                    | NA                       |
| <a href="#">Radeon HD 7500G + 7550M Dual</a>                     | 497                                     | 1207                      | NA                                    | NA                       |
| <a href="#">SUMO 964A</a>                                        | 497                                     | 1206                      | NA                                    | NA                       |
| <a href="#">ASUS EAH4870x2</a>                                   | 496                                     | 1208                      | NA                                    | NA                       |
| <a href="#">GeForce 9600 GT</a>                                  | 495                                     | 1209                      | <a href="#">3.33</a>                  | <a href="#">\$149.00</a> |

| Videocard Name                                             | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼                   |                                         |                           |                                       |                           |
| <a href="#">Quadro FX 3700M</a>                            | 490                                     | 1212                      | <a href="#">0.53</a>                  | <a href="#">\$920.00</a>  |
| <a href="#">Radeon R6 A10-8700P</a>                        | 491                                     | 1213                      | NA                                    | NA                        |
| <a href="#">Radeon HD8530M</a>                             | 490                                     | 1214                      | NA                                    | NA                        |
| <a href="#">GeForce GT 540M</a>                            | 488                                     | 1216                      | <a href="#">5.56</a>                  | <a href="#">\$87.95*</a>  |
| <a href="#">Radeon HD 8670D N HD 8670D + HD 8670D Dual</a> | 488                                     | 1215                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8550G + R5 M230 Dual</a>             | 487                                     | 1217                      | NA                                    | NA                        |
| <a href="#">Radeon R4E</a>                                 | 487                                     | 1218                      | NA                                    | NA                        |
| <a href="#">GeForce 710A</a>                               | 486                                     | 1219                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7520G + 7400M Dual</a>               | 486                                     | 1220                      | NA                                    | NA                        |
| <a href="#">GeForce GTX 260M</a>                           | 485                                     | 1221                      | NA                                    | NA                        |
| <a href="#">Radeon R5 M420</a>                             | 483                                     | 1222                      | NA                                    | NA                        |
| <a href="#">Quadro K500M</a>                               | 480                                     | -1                        | NA                                    | NA                        |
| <a href="#">Radeon HD 8610G + HD 8600M Dual</a>            | 480                                     | 1223                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 5000 Serisi</a>             | 478                                     | 1224                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 3870 X2</a>                 | 477                                     | 1225                      | NA                                    | NA                        |
| <a href="#">GeForce 9800 GT</a>                            | 474                                     | 1230                      | <a href="#">4.74</a>                  | <a href="#">\$99.99</a>   |
| <a href="#">Radeon HD 5570</a>                             | 474                                     | 1229                      | <a href="#">2.64</a>                  | <a href="#">\$179.49</a>  |
| <a href="#">Radeon HD 7560D</a>                            | 474                                     | 1226                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + HD 8570M Dual</a>            | 474                                     | 1228                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8450G + 8670M Dual</a>               | 474                                     | 1227                      | NA                                    | NA                        |
| <a href="#">FirePro 3D V3800</a>                           | 472                                     | 1231                      | <a href="#">3.15</a>                  | <a href="#">\$149.99*</a> |
| <a href="#">Radeon HD 8570D + R5 235 Dual</a>              | 470                                     | 1232                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7600G + 8500M/8700M Dual</a>         | 469                                     | 1233                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G</a>                            | 469                                     | 1234                      | NA                                    | NA                        |
| <a href="#">GeForce 800M</a>                               | 468                                     | 1236                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8690A</a>                            | 468                                     | 1235                      | NA                                    | NA                        |
| <a href="#">Quadro FX 3600M</a>                            | 466                                     | 1237                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660D + 7470 Dual</a>                | 465                                     | 1239                      | NA                                    | NA                        |
| <a href="#">SUMO 9644</a>                                  | 465                                     | 1238                      | NA                                    | NA                        |
| <a href="#">FirePro V5700</a>                              | 464                                     | 1241                      | NA                                    | NA                        |
| <a href="#">GeForce GT 720M</a>                            | 464                                     | 1242                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7550M</a>                            | 464                                     | 1240                      | NA                                    | NA                        |

| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <div>  <b>Video Card</b>  </div> |                                         |                           |                                       |                           |
| <a href="#">GeForce 9600M G1A</a>                                                                                                                                                                  | 461                                     | 1240                      | <a href="#">1.41</a>                  | <a href="#">\$328.50</a>  |
| <a href="#">Radeon R5 M315</a>                                                                                                                                                                     | 461                                     | 1245                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7650M</a>                                                                                                                                                                    | 460                                     | 1248                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + HD 7600M N HD 7600M Dual</a>                                                                                                                                         | 460                                     | 1247                      | NA                                    | NA                        |
| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">Radeon HD 7640G</a>                                                                                                                                                                    | 458                                     | 1249                      | NA                                    | NA                        |
| <a href="#">GeForce 9800M GS</a>                                                                                                                                                                   | 457                                     | 1250                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 5650</a>                                                                                                                                                            | 456                                     | 1251                      | NA                                    | NA                        |
| <a href="#">GeForce 705M</a>                                                                                                                                                                       | 455                                     | 1252                      | NA                                    | NA                        |
| <a href="#">Intel HD Family</a>                                                                                                                                                                    | 455                                     | 1253                      | NA                                    | NA                        |
| <a href="#">GeForce GT 525M</a>                                                                                                                                                                    | 454                                     | 1254                      | NA                                    | NA                        |
| <a href="#">Radeon Vega 2</a>                                                                                                                                                                      | 454                                     | 1255                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7520G + 7650M Dual</a>                                                                                                                                                       | 453                                     | 1256                      | NA                                    | NA                        |
| <a href="#">HIS DIGITAL HD 4650 AGP</a>                                                                                                                                                            | 452                                     | 1258                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8450G + HD 8600M Dual</a>                                                                                                                                                    | 452                                     | 1257                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7620G N HD 7620G + HD 8600M N HD 8600M D</a>                                                                                                                                 | 451                                     | 1259                      | NA                                    | NA                        |
| <a href="#">Radeon R7 M260</a>                                                                                                                                                                     | 449                                     | 1260                      | <a href="#">0.56</a>                  | <a href="#">\$799.00*</a> |
| <a href="#">Radeon HD 3850</a>                                                                                                                                                                     | 448                                     | 1261                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7520G + HD 7600M Dual</a>                                                                                                                                                    | 447                                     | 1262                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7670M</a>                                                                                                                                                                    | 446                                     | 1263                      | <a href="#">0.71</a>                  | <a href="#">\$629.99*</a> |
| <a href="#">PHDGD Ivy 5</a>                                                                                                                                                                        | 445                                     | 1265                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + 8600M Dual</a>                                                                                                                                                       | 445                                     | 1264                      | NA                                    | NA                        |
| <a href="#">GeForce 710M</a>                                                                                                                                                                       | 444                                     | 1267                      | NA                                    | NA                        |
| <a href="#">GeForce 8800 GTS</a>                                                                                                                                                                   | 444                                     | 1268                      | <a href="#">3.19</a>                  | <a href="#">\$139.00</a>  |
| <a href="#">Quadro FX 4600</a>                                                                                                                                                                     | 444                                     | 1266                      | <a href="#">1.33</a>                  | <a href="#">\$333.25</a>  |
| <a href="#">Radeon HD 7570M</a>                                                                                                                                                                    | 443                                     | 1269                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8350G</a>                                                                                                                                                                    | 443                                     | 1270                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7620G + HD 8600M Dual</a>                                                                                                                                                    | 442                                     | 1272                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8570D</a>                                                                                                                                                                    | 442                                     | 1271                      | NA                                    | NA                        |
| <a href="#">Quadro FX 1800M</a>                                                                                                                                                                    | 439                                     | 1273                      | NA                                    | NA                        |
| <a href="#">GeForce GT 620M</a>                                                                                                                                                                    | 438                                     | 1274                      | NA                                    | NA                        |

| Videocard Name                                                                                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
|  <b>Video Card</b> ▼ |                                         |                           |                                       |                           |
| <a href="#">Radeon R5 Optron AS210</a>                                                                | 430                                     | 1211                      | NA                                    | NA                        |
| <a href="#">GeForce GT 625M</a>                                                                       | 435                                     | 1280                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7600G + HD Dual</a>                                                             | 435                                     | 1278                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8410G</a>                                                                       | 435                                     | 1279                      | NA                                    | NA                        |
| <a href="#">Radeon HD 3850 AGP</a>                                                                    | 432                                     | 1282                      | NA                                    | NA                        |
| <a href="#">Radeon R5 M240</a>                                                                        | 432                                     | 1281                      | NA                                    | NA                        |
| <a href="#">Quadro 410</a>                                                                            | 430                                     | 1283                      | <a href="#">3.33</a>                  | <a href="#">\$129.00*</a> |
| <a href="#">Radeon HD 8570M</a>                                                                       | 429                                     | 1284                      | NA                                    | NA                        |
| <a href="#">GeForce 800A</a>                                                                          | 428                                     | 1285                      | NA                                    | NA                        |
| <a href="#">GeForce 9800M GT</a>                                                                      | 424                                     | 1286                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7600G + 7550M Dual</a>                                                          | 423                                     | 1288                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + HD 7500/7600 Dual</a>                                                   | 423                                     | 1287                      | NA                                    | NA                        |
| <a href="#">GeForce GT 420M</a>                                                                       | 422                                     | 1291                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G N HD 7640G + HD 8570M Dual</a>                                            | 422                                     | 1290                      | NA                                    | NA                        |
| <a href="#">RADEON HD6410D</a>                                                                        | 422                                     | 1289                      | NA                                    | NA                        |
| <a href="#">Intel 4th Generation Haswell HD</a>                                                       | 419                                     | 1292                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8610G</a>                                                                       | 414                                     | 1293                      | NA                                    | NA                        |
| <a href="#">FirePro M2000</a>                                                                         | 413                                     | 1294                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8550G</a>                                                                       | 413                                     | 1295                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6550D</a>                                                                       | 411                                     | 1296                      | NA                                    | NA                        |
| <a href="#">GeForce GTS 350M</a>                                                                      | 407                                     | 1297                      | NA                                    | NA                        |
| Videocard Name                                                                                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">Radeon HD 7470M</a>                                                                       | 407                                     | 1298                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + HD 7600M N HD 7600M Dual</a>                                            | 406                                     | 1299                      | NA                                    | NA                        |
| <a href="#">RADEON E4690</a>                                                                          | 405                                     | 1301                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7600G + 7500M/7600M Dual</a>                                                    | 405                                     | 1300                      | NA                                    | NA                        |
| <a href="#">Quadro FX 1800</a>                                                                        | 404                                     | 1302                      | <a href="#">2.99</a>                  | <a href="#">\$135.00*</a> |
| <a href="#">Intel HD 5300</a>                                                                         | 401                                     | 1303                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 4650</a>                                                               | 401                                     | 1304                      | NA                                    | NA                        |
| <a href="#">Quadro FX 2800M</a>                                                                       | 400                                     | 1305                      | <a href="#">2.11</a>                  | <a href="#">\$190.00*</a> |
| <a href="#">GeForce GT 420</a>                                                                        | 399                                     | 1306                      | <a href="#">2.58</a>                  | <a href="#">\$155.00*</a> |
| <a href="#">GeForce 810M</a>                                                                          | 397                                     | 1307                      | NA                                    | NA                        |

| Videocard Name                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|--------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼                           |                                         |                           |                                       |                             |
| <a href="#">Radeon R5 M320</a>                                     | 390                                     | 1310                      | NA                                    | NA                          |
| <a href="#">GeForce GT 330</a>                                     | 391                                     | 1311                      | <a href="#">9.78</a>                  | <a href="#">\$39.99*</a>    |
| <a href="#">Incredible HD</a>                                      | 389                                     | 1313                      | NA                                    | NA                          |
| <a href="#">Radeon HD 7600G + 7450M Dual</a>                       | 389                                     | 1312                      | NA                                    | NA                          |
| <a href="#">Radeon R5 M230</a>                                     | 389                                     | 1314                      | NA                                    | NA                          |
| <a href="#">Radeon HD 8500M</a>                                    | 388                                     | 1315                      | NA                                    | NA                          |
| <a href="#">GeForce 7900 GTX</a>                                   | 387                                     | 1316                      | NA                                    | NA                          |
| <a href="#">Quadro FX 3700</a>                                     | 387                                     | 1317                      | <a href="#">2.43</a>                  | <a href="#">\$159.58*</a>   |
| <a href="#">Radeon HD 8450G</a>                                    | 384                                     | 1318                      | NA                                    | NA                          |
| <a href="#">Radeon HD 4670</a>                                     | 383                                     | 1320                      | <a href="#">2.74</a>                  | <a href="#">\$139.99</a>    |
| <a href="#">Radeon HD 5550</a>                                     | 383                                     | 1319                      | <a href="#">6.98</a>                  | <a href="#">\$54.99*</a>    |
| <a href="#">GeForce 8800M GTS</a>                                  | 382                                     | 1321                      | NA                                    | NA                          |
| <a href="#">GeForce 9800M GTS</a>                                  | 378                                     | 1322                      | NA                                    | NA                          |
| <a href="#">Radeon HD 6490M</a>                                    | 377                                     | 1323                      | <a href="#">0.32</a>                  | <a href="#">\$1,193.03*</a> |
| <a href="#">GeForce GT 130</a>                                     | 376                                     | 1326                      | <a href="#">2.49</a>                  | <a href="#">\$151.34</a>    |
| <a href="#">Quadro FX 2700M</a>                                    | 376                                     | 1327                      | <a href="#">3.76</a>                  | <a href="#">\$99.95*</a>    |
| <a href="#">Radeon HD 7520G + 8750M Dual</a>                       | 376                                     | 1324                      | NA                                    | NA                          |
| <a href="#">Radeon HD 7600G + 6400M Dual</a>                       | 376                                     | 1325                      | NA                                    | NA                          |
| <a href="#">Intel UHD 605</a>                                      | 375                                     | 1328                      | NA                                    | NA                          |
| <a href="#">PHDGD Ivy 4</a>                                        | 374                                     | 1329                      | NA                                    | NA                          |
| <a href="#">Radeon HD 8570D + HD8490 Dual</a>                      | 374                                     | 1330                      | NA                                    | NA                          |
| <a href="#">Radeon HD 6620G</a>                                    | 371                                     | 1332                      | NA                                    | NA                          |
| <a href="#">Radeon HD 8510G</a>                                    | 371                                     | 1331                      | NA                                    | NA                          |
| <a href="#">GeForce 9700M GTS</a>                                  | 368                                     | 1333                      | NA                                    | NA                          |
| <a href="#">GeForce GT 610M / GT 620M / GT 710M / GT 720M / GT</a> | 368                                     | 1334                      | NA                                    | NA                          |
| <a href="#">Matrox Millennium P690 PCIe x16</a>                    | 366                                     | 1335                      | NA                                    | NA                          |
| <a href="#">Mobility Radeon HD 3850</a>                            | 365                                     | 1337                      | NA                                    | NA                          |
| <a href="#">Radeon HD4670</a>                                      | 365                                     | 1336                      | NA                                    | NA                          |
| <a href="#">Radeon HD 7520G N HD 7520G + HD 7600M N HD 7600M D</a> | 364                                     | 1338                      | NA                                    | NA                          |
| <a href="#">Radeon HD 7660G + HD 8600M Dual</a>                    | 363                                     | 1339                      | NA                                    | NA                          |
| <a href="#">GeForce 9600 GSO</a>                                   | 359                                     | 1341                      | <a href="#">7.18</a>                  | <a href="#">\$49.99*</a>    |

| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|-----------------------------|
| <div>  <b>Video Card</b>  </div> |                                         |                           |                                       |                             |
| <a href="#">Radeon HD 8470D</a>                                                                                                                                                                    | 334                                     | 1343                      | NA                                    | NA                          |
| <a href="#">Mobility Radeon HD 565v</a>                                                                                                                                                            | 353                                     | 1345                      | NA                                    | NA                          |
| <a href="#">Radeon HD 6480M</a>                                                                                                                                                                    | 353                                     | 1344                      | NA                                    | NA                          |
| <a href="#">Radeon HD 7580D</a>                                                                                                                                                                    | 350                                     | 1346                      | NA                                    | NA                          |
| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
| <a href="#">GeForce GT 705</a>                                                                                                                                                                     | 349                                     | 1347                      | NA                                    | NA                          |
| <a href="#">Intel HD 505</a>                                                                                                                                                                       | 348                                     | 1348                      | NA                                    | NA                          |
| <a href="#">GeForce 9600 GSO 512</a>                                                                                                                                                               | 347                                     | 1350                      | NA                                    | NA                          |
| <a href="#">Qualcomm Adreno 680 GPU</a>                                                                                                                                                            | 347                                     | 1349                      | NA                                    | NA                          |
| <a href="#">Radeon HD 7620G</a>                                                                                                                                                                    | 345                                     | 1351                      | NA                                    | NA                          |
| <a href="#">GeForce 7950 GT</a>                                                                                                                                                                    | 344                                     | 1352                      | <a href="#">1.15</a>                  | <a href="#">\$299.99*</a>   |
| <a href="#">FireGL V5600</a>                                                                                                                                                                       | 341                                     | 1354                      | NA                                    | NA                          |
| <a href="#">FirePro 3D V3750</a>                                                                                                                                                                   | 341                                     | 1353                      | <a href="#">6.71</a>                  | <a href="#">\$50.88*</a>    |
| <a href="#">Radeon HD 8310E</a>                                                                                                                                                                    | 340                                     | 1355                      | NA                                    | NA                          |
| <a href="#">Radeon HD 7660D + HD 7400 Dual</a>                                                                                                                                                     | 339                                     | 1356                      | NA                                    | NA                          |
| <a href="#">Radeon HD 8400E</a>                                                                                                                                                                    | 339                                     | 1357                      | NA                                    | NA                          |
| <a href="#">Radeon HD 8570D + HD 8470 Dual</a>                                                                                                                                                     | 338                                     | 1358                      | NA                                    | NA                          |
| <a href="#">FirePro RG220</a>                                                                                                                                                                      | 335                                     | 1359                      | <a href="#">0.52</a>                  | <a href="#">\$650.18*</a>   |
| <a href="#">Radeon R4</a>                                                                                                                                                                          | 335                                     | 1360                      | <a href="#">0.84</a>                  | <a href="#">\$396.99*</a>   |
| <a href="#">Intel UHD 600</a>                                                                                                                                                                      | 333                                     | 1362                      | NA                                    | NA                          |
| <a href="#">Radeon HD 7540D</a>                                                                                                                                                                    | 333                                     | 1361                      | NA                                    | NA                          |
| <a href="#">Intel HD 4000</a>                                                                                                                                                                      | 332                                     | 1363                      | <a href="#">0.21</a>                  | <a href="#">\$1,592.95*</a> |
| <a href="#">Radeon R5 310</a>                                                                                                                                                                      | 331                                     | 1364                      | <a href="#">0.66</a>                  | <a href="#">\$499.00*</a>   |
| <a href="#">Radeon HD 7500G</a>                                                                                                                                                                    | 330                                     | 1365                      | NA                                    | NA                          |
| <a href="#">GeForce 9600 GS</a>                                                                                                                                                                    | 329                                     | 1366                      | NA                                    | NA                          |
| <a href="#">Radeon HD 7450M</a>                                                                                                                                                                    | 329                                     | 1367                      | NA                                    | NA                          |
| <a href="#">Radeon HD 7600G + HD 7400M Dual</a>                                                                                                                                                    | 328                                     | 1368                      | NA                                    | NA                          |
| <a href="#">GeForce GT 230</a>                                                                                                                                                                     | 325                                     | 1370                      | <a href="#">7.41</a>                  | <a href="#">\$43.99*</a>    |
| <a href="#">Mobile Intel HD</a>                                                                                                                                                                    | 325                                     | 1369                      | <a href="#">0.68</a>                  | <a href="#">\$479.98</a>    |
| <a href="#">Radeon HD 7470</a>                                                                                                                                                                     | 325                                     | 1371                      | <a href="#">17.36</a>                 | <a href="#">\$18.76*</a>    |
| <a href="#">Radeon HD 7600G</a>                                                                                                                                                                    | 325                                     | 1372                      | NA                                    | NA                          |
| <a href="#">FirePro V3800</a>                                                                                                                                                                      | 324                                     | 1374                      | <a href="#">2.59</a>                  | <a href="#">\$125.00</a>    |

| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|--------------------------|
| <div>  <b>Video Card</b>  </div> |                                         |                           |                                       |                          |
| <a href="#">RADEON HD6370D</a>                                                                                                                                                                     | 320                                     | 1370                      | NA                                    | NA                       |
| <a href="#">GeForce 240M GT</a>                                                                                                                                                                    | 319                                     | 1377                      | NA                                    | NA                       |
| <a href="#">Radeon HD 8280</a>                                                                                                                                                                     | 319                                     | 1378                      | NA                                    | NA                       |
| <a href="#">GeForce GT 415M</a>                                                                                                                                                                    | 318                                     | 1379                      | NA                                    | NA                       |
| <a href="#">Mobility Radeon HD 560v</a>                                                                                                                                                            | 318                                     | 1380                      | NA                                    | NA                       |
| <a href="#">Radeon R5 235X</a>                                                                                                                                                                     | 316                                     | 1381                      | NA                                    | NA                       |
| <a href="#">Quadro FX 3500</a>                                                                                                                                                                     | 315                                     | 1383                      | <a href="#">4.57</a>                  | <a href="#">\$68.98*</a> |
| <a href="#">Radeon HD 6530D</a>                                                                                                                                                                    | 315                                     | 1384                      | NA                                    | NA                       |
| <a href="#">Radeon HD 7520G</a>                                                                                                                                                                    | 315                                     | 1382                      | NA                                    | NA                       |
| <a href="#">Radeon HD 7520G + 8600/8700M Dual</a>                                                                                                                                                  | 311                                     | 1385                      | NA                                    | NA                       |
| <a href="#">GeForce 605</a>                                                                                                                                                                        | 309                                     | 1386                      | <a href="#">2.26</a>                  | <a href="#">\$136.83</a> |
| <a href="#">Radeon HD 7420G</a>                                                                                                                                                                    | 307                                     | 1387                      | NA                                    | NA                       |
| <a href="#">Quadro FX 3500M</a>                                                                                                                                                                    | 306                                     | 1388                      | <a href="#">3.06</a>                  | <a href="#">\$99.99*</a> |
| <a href="#">Radeon HD 6520G</a>                                                                                                                                                                    | 305                                     | 1390                      | NA                                    | NA                       |
| <a href="#">Radeon R3</a>                                                                                                                                                                          | 305                                     | 1389                      | NA                                    | NA                       |
| <a href="#">Intel HD 500</a>                                                                                                                                                                       | 302                                     | 1392                      | NA                                    | NA                       |
| <a href="#">Radeon R5 235</a>                                                                                                                                                                      | 302                                     | 1391                      | <a href="#">5.02</a>                  | <a href="#">\$60.13*</a> |
| <a href="#">GeForce GT 625</a>                                                                                                                                                                     | 301                                     | 1393                      | NA                                    | NA                       |
| <a href="#">Radeon R1E</a>                                                                                                                                                                         | 301                                     | 1394                      | NA                                    | NA                       |
| <a href="#">GeForce GT 610</a>                                                                                                                                                                     | 300                                     | 1395                      | <a href="#">1.31</a>                  | <a href="#">\$229.99</a> |
| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)           |
| <a href="#">Radeon HD 7400G</a>                                                                                                                                                                    | 300                                     | 1396                      | NA                                    | NA                       |
| <a href="#">GeForce GT 520MX</a>                                                                                                                                                                   | 296                                     | 1397                      | NA                                    | NA                       |
| <a href="#">GeForce GT 520</a>                                                                                                                                                                     | 295                                     | 1398                      | <a href="#">1.97</a>                  | <a href="#">\$149.99</a> |
| <a href="#">Intel HD P3000</a>                                                                                                                                                                     | 294                                     | 1399                      | NA                                    | NA                       |
| <a href="#">GeForce 9600M GT / GeForce GT 220M</a>                                                                                                                                                 | 293                                     | 1402                      | NA                                    | NA                       |
| <a href="#">GRID K120Q</a>                                                                                                                                                                         | 293                                     | 1401                      | NA                                    | NA                       |
| <a href="#">NVS 315</a>                                                                                                                                                                            | 293                                     | 1400                      | <a href="#">4.25</a>                  | <a href="#">\$69.00</a>  |
| <a href="#">Radeon R5E</a>                                                                                                                                                                         | 293                                     | 1403                      | NA                                    | NA                       |
| <a href="#">Radeon HD 2900 GT</a>                                                                                                                                                                  | 292                                     | 1405                      | NA                                    | NA                       |
| <a href="#">Radeon HD 8370D</a>                                                                                                                                                                    | 292                                     | 1404                      | NA                                    | NA                       |
| <a href="#">GeForce 7900 GS</a>                                                                                                                                                                    | 291                                     | 1406                      | NA                                    | NA                       |

| Videocard Name                               | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|----------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼     |                                         |                           |                                       |                           |
| <a href="#">Radeon HD 7450D</a>              | 290                                     | 1407                      | NA                                    | NA                        |
| <a href="#">GeForce 610M</a>                 | 288                                     | 1409                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7450A</a>              | 288                                     | 1410                      | NA                                    | NA                        |
| <a href="#">GeForce 7950 Xtreme</a>          | 287                                     | 1411                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 5165</a>      | 284                                     | 1412                      | NA                                    | NA                        |
| <a href="#">Radeon HD 2600 XT</a>            | 282                                     | 1413                      | NA                                    | NA                        |
| <a href="#">GeForce GT 520M</a>              | 277                                     | 1414                      | <a href="#">9.26</a>                  | <a href="#">\$29.95*</a>  |
| <a href="#">Radeon HD 6370M</a>              | 275                                     | 1415                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8490</a>               | 275                                     | 1416                      | <a href="#">4.61</a>                  | <a href="#">\$59.68*</a>  |
| <a href="#">GeForce 9650M GS</a>             | 270                                     | 1418                      | NA                                    | NA                        |
| <a href="#">GeForce Go 7900 GTX</a>          | 270                                     | 1417                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6370D</a>              | 269                                     | 1421                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6480G</a>              | 269                                     | 1419                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8280G</a>              | 269                                     | 1420                      | NA                                    | NA                        |
| <a href="#">Radeon HD 5470</a>               | 268                                     | 1422                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 550v</a>      | 266                                     | 1423                      | NA                                    | NA                        |
| <a href="#">GeForce GT 120M</a>              | 265                                     | 1424                      | NA                                    | NA                        |
| <a href="#">Qualcomm Adreno 630 GPU</a>      | 264                                     | 1425                      | NA                                    | NA                        |
| <a href="#">GeForce Go 7950 GTX</a>          | 263                                     | 1426                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6450A</a>              | 260                                     | 1427                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8280E</a>              | 260                                     | 1428                      | NA                                    | NA                        |
| <a href="#">GeForce 7900 GT</a>              | 258                                     | 1430                      | NA                                    | NA                        |
| <a href="#">Intel HD 3000</a>                | 258                                     | 1431                      | <a href="#">0.27</a>                  | <a href="#">\$945.00*</a> |
| <a href="#">Radeon HD 8470</a>               | 258                                     | 1429                      | NA                                    | NA                        |
| <a href="#">Quadro NVS 510M</a>              | 253                                     | 1432                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8400</a>               | 253                                     | 1433                      | NA                                    | NA                        |
| <a href="#">GeForce 510</a>                  | 252                                     | 1434                      | <a href="#">3.61</a>                  | <a href="#">\$69.99*</a>  |
| <a href="#">NVS 4200M</a>                    | 251                                     | 1435                      | <a href="#">0.63</a>                  | <a href="#">\$399.00*</a> |
| <a href="#">Radeon HD 8330</a>               | 250                                     | 1436                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + 8600M Dual</a> | 249                                     | 1438                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8240</a>               | 249                                     | 1437                      | NA                                    | NA                        |
| <a href="#">GeForce 410M</a>                 | 247                                     | 1440                      | NA                                    | NA                        |

| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|----------------------------|
| <div>  <b>Video Card</b>  </div> |                                         |                           |                                       |                            |
| <a href="#">Radeon R3E</a>                                                                                                                                                                         | 241                                     | 1433                      | NA                                    | NA                         |
| <a href="#">CARRIZO 9874</a>                                                                                                                                                                       | 246                                     | -1                        | NA                                    | NA                         |
| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)             |
| <a href="#">GeForce 7800 GT</a>                                                                                                                                                                    | 244                                     | 1443                      | <a href="#">3.05</a>                  | <a href="#">\$80.00*</a>   |
| <a href="#">Quadro FX 5500</a>                                                                                                                                                                     | 242                                     | 1444                      | <a href="#">0.12</a>                  | <a href="#">\$1,999.00</a> |
| <a href="#">Radeon R5 230</a>                                                                                                                                                                      | 242                                     | 1445                      | <a href="#">2.99</a>                  | <a href="#">\$81.10</a>    |
| <a href="#">Radeon HD 8330E</a>                                                                                                                                                                    | 240                                     | 1446                      | NA                                    | NA                         |
| <a href="#">Radeon HD4650</a>                                                                                                                                                                      | 239                                     | 1447                      | NA                                    | NA                         |
| <a href="#">NVS 310</a>                                                                                                                                                                            | 238                                     | 1448                      | <a href="#">4.05</a>                  | <a href="#">\$59.00</a>    |
| <a href="#">Radeon HD 7640G + R5 M230 Dual</a>                                                                                                                                                     | 238                                     | -1                        | NA                                    | NA                         |
| <a href="#">Mobility Radeon HD 5470</a>                                                                                                                                                            | 236                                     | 1450                      | NA                                    | NA                         |
| <a href="#">Quadro FX 4500 X2</a>                                                                                                                                                                  | 236                                     | 1451                      | NA                                    | NA                         |
| <a href="#">Radeon R2</a>                                                                                                                                                                          | 236                                     | 1449                      | NA                                    | NA                         |
| <a href="#">Radeon HD 4550</a>                                                                                                                                                                     | 235                                     | 1452                      | <a href="#">1.86</a>                  | <a href="#">\$126.99*</a>  |
| <a href="#">Mobility Radeon HD 3670</a>                                                                                                                                                            | 232                                     | 1453                      | NA                                    | NA                         |
| <a href="#">Radeon HD 7450</a>                                                                                                                                                                     | 231                                     | 1454                      | <a href="#">4.64</a>                  | <a href="#">\$49.99*</a>   |
| <a href="#">Radeon R2E</a>                                                                                                                                                                         | 228                                     | 1455                      | NA                                    | NA                         |
| <a href="#">Quadro FX 880M</a>                                                                                                                                                                     | 227                                     | 1456                      | NA                                    | NA                         |
| <a href="#">Quadro NVS 290</a>                                                                                                                                                                     | 225                                     | 1457                      | <a href="#">3.82</a>                  | <a href="#">\$59.00*</a>   |
| <a href="#">Intel Q965/Q963 Express</a>                                                                                                                                                            | 224                                     | 1458                      | NA                                    | NA                         |
| <a href="#">GT 430</a>                                                                                                                                                                             | 223                                     | 1459                      | <a href="#">1.56</a>                  | <a href="#">\$142.88*</a>  |
| <a href="#">Radeon HD 6470M</a>                                                                                                                                                                    | 223                                     | 1460                      | <a href="#">0.39</a>                  | <a href="#">\$569.99*</a>  |
| <a href="#">Radeon HD 7340M</a>                                                                                                                                                                    | 221                                     | 1461                      | NA                                    | NA                         |
| <a href="#">A6 Micro-6500T Quad-Core APU with RadeonR4</a>                                                                                                                                         | 220                                     | 1464                      | NA                                    | NA                         |
| <a href="#">HD6450</a>                                                                                                                                                                             | 220                                     | 1462                      | <a href="#">3.30</a>                  | <a href="#">\$66.85</a>    |
| <a href="#">Intel Q35 Express</a>                                                                                                                                                                  | 220                                     | 1463                      | NA                                    | NA                         |
| <a href="#">Mobility FireGL V5725</a>                                                                                                                                                              | 219                                     | 1465                      | NA                                    | NA                         |
| <a href="#">Quadro FX 2500M</a>                                                                                                                                                                    | 217                                     | 1466                      | <a href="#">12.45</a>                 | <a href="#">\$17.50*</a>   |
| <a href="#">Quadro FX 770M</a>                                                                                                                                                                     | 217                                     | 1468                      | <a href="#">0.41</a>                  | <a href="#">\$527.00*</a>  |
| <a href="#">Radeon HD 4650</a>                                                                                                                                                                     | 217                                     | 1467                      | <a href="#">1.50</a>                  | <a href="#">\$145.00</a>   |
| <a href="#">GeForce 9700M GT</a>                                                                                                                                                                   | 216                                     | 1469                      | NA                                    | NA                         |
| <a href="#">Radeon HD 6320 Graphic</a>                                                                                                                                                             | 216                                     | 1470                      | NA                                    | NA                         |

| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <div>  <b>Video Card</b>  </div> |                                         |                           |                                       |                           |
| <a href="#">Mobility Radeon. HD 5470</a>                                                                                                                                                           | 213                                     | 1473                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7350</a>                                                                                                                                                                     | 215                                     | 1471                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 5450</a>                                                                                                                                                            | 214                                     | 1476                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6410D</a>                                                                                                                                                                    | 214                                     | 1475                      | NA                                    | NA                        |
| <a href="#">Intel HD 2000</a>                                                                                                                                                                      | 213                                     | 1477                      | NA                                    | NA                        |
| <a href="#">Intel 2nd Generation SandyBridge HD</a>                                                                                                                                                | 212                                     | 1478                      | NA                                    | NA                        |
| <a href="#">GeForce GT 240M</a>                                                                                                                                                                    | 211                                     | 1479                      | NA                                    | NA                        |
| <a href="#">Radeon HD 2600 PRO</a>                                                                                                                                                                 | 211                                     | 1481                      | NA                                    | NA                        |
| <a href="#">WinFast GT 610</a>                                                                                                                                                                     | 211                                     | 1480                      | NA                                    | NA                        |
| <a href="#">GeForce Go 7600 GT</a>                                                                                                                                                                 | 210                                     | 1482                      | NA                                    | NA                        |
| <a href="#">GeForce Go 7800 GTX</a>                                                                                                                                                                | 209                                     | 1483                      | NA                                    | NA                        |
| <a href="#">Radeon HD 4650 AGP</a>                                                                                                                                                                 | 207                                     | 1484                      | NA                                    | NA                        |
| <a href="#">GeForce GT 220</a>                                                                                                                                                                     | 206                                     | 1485                      | <a href="#">5.17</a>                  | <a href="#">\$39.99*</a>  |
| <a href="#">Barco MXRT 1450</a>                                                                                                                                                                    | 205                                     | 1486                      | NA                                    | NA                        |
| <a href="#">Intel 2nd Generation SandyBridge HD 3000</a>                                                                                                                                           | 205                                     | 1488                      | NA                                    | NA                        |
| <a href="#">Quadro FX 4500</a>                                                                                                                                                                     | 205                                     | 1487                      | <a href="#">1.22</a>                  | <a href="#">\$169.00*</a> |
| <a href="#">Radeon HD 8250</a>                                                                                                                                                                     | 203                                     | 1489                      | NA                                    | NA                        |
| <a href="#">GeForce 320M</a>                                                                                                                                                                       | 202                                     | 1491                      | NA                                    | NA                        |
| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">NVS 5100M</a>                                                                                                                                                                          | 202                                     | 1490                      | NA                                    | NA                        |
| <a href="#">GeForce 7950 GX2</a>                                                                                                                                                                   | 201                                     | 1492                      | <a href="#">3.67</a>                  | <a href="#">\$54.99*</a>  |
| <a href="#">GeForce GT 230M</a>                                                                                                                                                                    | 200                                     | 1493                      | NA                                    | NA                        |
| <a href="#">GeForce G200</a>                                                                                                                                                                       | 199                                     | 1494                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 545v</a>                                                                                                                                                            | 199                                     | 1495                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6450</a>                                                                                                                                                                     | 199                                     | 1496                      | <a href="#">2.24</a>                  | <a href="#">\$89.00</a>   |
| <a href="#">RADEON HD7450</a>                                                                                                                                                                      | 199                                     | 1497                      | <a href="#">8.95</a>                  | <a href="#">\$22.25*</a>  |
| <a href="#">Radeon HD 6320M</a>                                                                                                                                                                    | 198                                     | 1498                      | NA                                    | NA                        |
| <a href="#">GeForce 7600 GS</a>                                                                                                                                                                    | 197                                     | 1500                      | <a href="#">1.13</a>                  | <a href="#">\$175.00*</a> |
| <a href="#">Radeon HD 6380G</a>                                                                                                                                                                    | 197                                     | 1499                      | <a href="#">0.49</a>                  | <a href="#">\$399.99*</a> |
| <a href="#">Radeon HD 8210</a>                                                                                                                                                                     | 197                                     | 1501                      | NA                                    | NA                        |
| <a href="#">GeForce 7600 GT</a>                                                                                                                                                                    | 196                                     | 1502                      | <a href="#">0.99</a>                  | <a href="#">\$199.00</a>  |
| <a href="#">Radeon HD 7340G</a>                                                                                                                                                                    | 196                                     | 1503                      | NA                                    | NA                        |

| Videocard Name                                   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼         |                                         |                           |                                       |                           |
| <a href="#">Radeon HD 8210E</a>                  | 193                                     | 1506                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6430M</a>                  | 192                                     | 1507                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 2600 XT</a>       | 191                                     | 1508                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 4550</a>          | 191                                     | 1509                      | NA                                    | NA                        |
| <a href="#">GeForce 305M</a>                     | 190                                     | 1510                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 540v</a>          | 188                                     | 1511                      | NA                                    | NA                        |
| <a href="#">GeForce 505</a>                      | 186                                     | 1512                      | <a href="#">1.62</a>                  | <a href="#">\$115.06</a>  |
| <a href="#">Quadro FX 1600M</a>                  | 185                                     | 1513                      | <a href="#">1.24</a>                  | <a href="#">\$149.90*</a> |
| <a href="#">GeForce GT 120</a>                   | 182                                     | 1514                      | <a href="#">6.07</a>                  | <a href="#">\$29.99*</a>  |
| <a href="#">Mobility Radeon HD 5430</a>          | 181                                     | 1515                      | NA                                    | NA                        |
| <a href="#">Barco MXRT 7100</a>                  | 180                                     | 1518                      | NA                                    | NA                        |
| <a href="#">Quadro FX 1700M</a>                  | 180                                     | 1517                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7310G</a>                  | 180                                     | 1516                      | NA                                    | NA                        |
| <a href="#">FireGL V3600</a>                     | 179                                     | 1519                      | <a href="#">1.12</a>                  | <a href="#">\$160.99*</a> |
| <a href="#">Radeon HD 6230</a>                   | 179                                     | 1520                      | NA                                    | NA                        |
| <a href="#">FirePro 3D V3700</a>                 | 178                                     | 1521                      | <a href="#">2.10</a>                  | <a href="#">\$84.99*</a>  |
| <a href="#">GeForce 7800 GS</a>                  | 177                                     | 1522                      | NA                                    | NA                        |
| <a href="#">GeForce Go 7900 GS</a>               | 176                                     | 1523                      | NA                                    | NA                        |
| <a href="#">Quadro FX 1500</a>                   | 175                                     | 1524                      | <a href="#">1.52</a>                  | <a href="#">\$115.01*</a> |
| <a href="#">Mobility Radeon HD 530v</a>          | 174                                     | 1525                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7310 - Carte graphique</a> | 174                                     | 1526                      | NA                                    | NA                        |
| <a href="#">Quadro FX 1500M</a>                  | 171                                     | 1527                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8350</a>                   | 170                                     | 1529                      | <a href="#">2.58</a>                  | <a href="#">\$65.99*</a>  |
| <a href="#">Radeon HDG 4670</a>                  | 170                                     | 1528                      | NA                                    | NA                        |
| <a href="#">GeForce GT 325M</a>                  | 169                                     | 1530                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 2600</a>          | 167                                     | 1531                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7310M</a>                  | 166                                     | 1532                      | NA                                    | NA                        |
| <a href="#">Intel HD manual-gen9_2015-133271</a> | 165                                     | 1533                      | NA                                    | NA                        |
| <a href="#">Radeon E6465</a>                     | 164                                     | 1534                      | NA                                    | NA                        |
| <a href="#">GeForce 315</a>                      | 163                                     | 1536                      | <a href="#">4.95</a>                  | <a href="#">\$32.99*</a>  |
| <a href="#">VIA/S3G C-645/640 GPU</a>            | 163                                     | 1535                      | NA                                    | NA                        |
| <a href="#">Quadro NVS 320M</a>                  | 159                                     | 1537                      | NA                                    | NA                        |

| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <div>  <b>Video Card</b>  </div> |                                         |                           |                                       |                           |
| videocard name                                                                                                                                                                                     | (higher is better)                      | (lower is better)         | (higher is better)                    | (USD)                     |
| <a href="#">GeForce 9500 GS</a>                                                                                                                                                                    | 157                                     | 1540                      | NA                                    | NA                        |
| <a href="#">GeForce 9200M GE</a>                                                                                                                                                                   | 156                                     | 1541                      | NA                                    | NA                        |
| <a href="#">Radeon HD 3670</a>                                                                                                                                                                     | 155                                     | 1543                      | NA                                    | NA                        |
| <a href="#">Radeon HD 4300/4500 Series</a>                                                                                                                                                         | 155                                     | 1542                      | NA                                    | NA                        |
| <a href="#">FirePro 2270</a>                                                                                                                                                                       | 154                                     | 1544                      | <a href="#">1.20</a>                  | <a href="#">\$129.00</a>  |
| <a href="#">GeForce 8200</a>                                                                                                                                                                       | 153                                     | 1545                      | NA                                    | NA                        |
| <a href="#">GeForce GT 130M</a>                                                                                                                                                                    | 152                                     | 1546                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8180</a>                                                                                                                                                                     | 152                                     | 1547                      | NA                                    | NA                        |
| <a href="#">Radeon X1950 CrossFire Edition</a>                                                                                                                                                     | 151                                     | 1548                      | NA                                    | NA                        |
| <a href="#">Radeon HD 3650 AGP</a>                                                                                                                                                                 | 150                                     | 1549                      | <a href="#">0.81</a>                  | <a href="#">\$185.00</a>  |
| <a href="#">Quadro 400</a>                                                                                                                                                                         | 149                                     | 1550                      | <a href="#">0.62</a>                  | <a href="#">\$242.50</a>  |
| <a href="#">Mobility Radeon HD 4350</a>                                                                                                                                                            | 148                                     | 1553                      | NA                                    | NA                        |
| <a href="#">Quadro FX 3450</a>                                                                                                                                                                     | 148                                     | 1551                      | <a href="#">1.24</a>                  | <a href="#">\$119.99*</a> |
| <a href="#">Radeon HD 6320</a>                                                                                                                                                                     | 148                                     | 1552                      | <a href="#">0.27</a>                  | <a href="#">\$554.99*</a> |
| <a href="#">GeForce Go 7700</a>                                                                                                                                                                    | 147                                     | 1554                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6300M</a>                                                                                                                                                                    | 147                                     | 1555                      | NA                                    | NA                        |
| <a href="#">ZX Chrome 645/640 GPU</a>                                                                                                                                                              | 147                                     | 1556                      | NA                                    | NA                        |
| <a href="#">GeForce G100</a>                                                                                                                                                                       | 146                                     | 1557                      | <a href="#">7.32</a>                  | <a href="#">\$19.99*</a>  |
| <a href="#">GeForce 9650M GT</a>                                                                                                                                                                   | 145                                     | 1559                      | <a href="#">1.24</a>                  | <a href="#">\$117.30</a>  |
| <a href="#">Radeon X1900 GT</a>                                                                                                                                                                    | 145                                     | 1558                      | NA                                    | NA                        |
| <a href="#">HD</a>                                                                                                                                                                                 | 143                                     | -1                        | <a href="#">1.06</a>                  | <a href="#">\$135.00</a>  |
| <a href="#">GeForce 6800 GT</a>                                                                                                                                                                    | 142                                     | 1561                      | NA                                    | NA                        |
| <a href="#">Quadro FX 380 LP</a>                                                                                                                                                                   | 142                                     | 1560                      | NA                                    | NA                        |
| <a href="#">EG PARK</a>                                                                                                                                                                            | 141                                     | -1                        | NA                                    | NA                        |
| <a href="#">Quadro FX 580</a>                                                                                                                                                                      | 141                                     | 1562                      | <a href="#">1.09</a>                  | <a href="#">\$130.00*</a> |
| <a href="#">nForce 760i SLI</a>                                                                                                                                                                    | 140                                     | 1568                      | NA                                    | NA                        |
| <a href="#">Radeon HD 4290</a>                                                                                                                                                                     | 140                                     | 1564                      | NA                                    | NA                        |
| <a href="#">Radeon HD 5450</a>                                                                                                                                                                     | 140                                     | 1565                      | <a href="#">0.71</a>                  | <a href="#">\$199.00</a>  |
| <a href="#">Radeon HD 6290M</a>                                                                                                                                                                    | 140                                     | 1567                      | NA                                    | NA                        |
| <a href="#">RADEON HD 6350</a>                                                                                                                                                                     | 140                                     | 1563                      | <a href="#">3.92</a>                  | <a href="#">\$35.95*</a>  |
| <a href="#">Radeon X1800 GTO</a>                                                                                                                                                                   | 140                                     | 1566                      | NA                                    | NA                        |

| Videocard Name                                 | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼       |                                         |                           |                                       |                             |
| <a href="#">GeForce 6800 Ultra</a>             | 130                                     | 1571                      | NA                                    | NA                          |
| <a href="#">GeForce Go 6800 Ultra</a>          | 137                                     | 1572                      | NA                                    | NA                          |
| <a href="#">Radeon X1900 CrossFire Edition</a> | 137                                     | 1573                      | NA                                    | NA                          |
| <a href="#">GeForce 6800 XT</a>                | 135                                     | 1576                      | NA                                    | NA                          |
| <a href="#">GeForce 9500 GT</a>                | 135                                     | 1574                      | <a href="#">1.58</a>                  | <a href="#">\$85.99*</a>    |
| <a href="#">Mobility Radeon HD 4330</a>        | 135                                     | 1575                      | NA                                    | NA                          |
| <a href="#">EAH5450</a>                        | 134                                     | 1581                      | <a href="#">1.22</a>                  | <a href="#">\$109.99*</a>   |
| <a href="#">GeForce 7650 GS</a>                | 134                                     | 1582                      | NA                                    | NA                          |
| <a href="#">GeForce 9800 GT 1024MB</a>         | 134                                     | 1580                      | NA                                    | NA                          |
| <a href="#">Mobility Radeon X1900</a>          | 134                                     | 1577                      | NA                                    | NA                          |
| <a href="#">Quadro FX 3450/4000 SDI</a>        | 134                                     | 1579                      | NA                                    | NA                          |
| <a href="#">Radeon R5 220</a>                  | 134                                     | 1578                      | <a href="#">1.58</a>                  | <a href="#">\$85.26*</a>    |
| <a href="#">GeForce 7300 GT</a>                | 132                                     | 1585                      | <a href="#">0.88</a>                  | <a href="#">\$149.99*</a>   |
| <a href="#">GeForce 9200</a>                   | 132                                     | 1584                      | NA                                    | NA                          |
| <a href="#">Intel Q45/Q43 Express Chipset</a>  | 132                                     | 1586                      | NA                                    | NA                          |
| <a href="#">Mobility Radeon HD 4570</a>        | 132                                     | 1583                      | <a href="#">1.75</a>                  | <a href="#">\$75.90</a>     |
| Videocard Name                                 | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
| <a href="#">Radeon HD 7310</a>                 | 131                                     | 1587                      | NA                                    | NA                          |
| <a href="#">GeForce 9600M GT</a>               | 130                                     | 1588                      | <a href="#">1.67</a>                  | <a href="#">\$78.20</a>     |
| <a href="#">MOBILITY RADEON X1800</a>          | 130                                     | 1589                      | NA                                    | NA                          |
| <a href="#">Quadro FX 380M</a>                 | 129                                     | 1591                      | NA                                    | NA                          |
| <a href="#">RADEON X800 SE</a>                 | 129                                     | 1590                      | NA                                    | NA                          |
| <a href="#">FireGL V7300</a>                   | 128                                     | 1594                      | <a href="#">0.11</a>                  | <a href="#">\$1,189.99*</a> |
| <a href="#">GeForce 9300 / nForce 730i</a>     | 128                                     | 1592                      | NA                                    | NA                          |
| <a href="#">Mobility Radeon HD 3650</a>        | 128                                     | 1593                      | <a href="#">1.75</a>                  | <a href="#">\$73.53</a>     |
| <a href="#">All-in-Wonder X1900</a>            | 127                                     | 1596                      | NA                                    | NA                          |
| <a href="#">GeForce Go 7600</a>                | 127                                     | 1595                      | NA                                    | NA                          |
| <a href="#">GeForce 205</a>                    | 126                                     | 1600                      | NA                                    | NA                          |
| <a href="#">GeForce 9300</a>                   | 126                                     | 1597                      | NA                                    | NA                          |
| <a href="#">GeForce G210M</a>                  | 126                                     | 1599                      | NA                                    | NA                          |
| <a href="#">Radeon HD 3300</a>                 | 126                                     | 1598                      | NA                                    | NA                          |
| <a href="#">GeForce 8700M GT</a>               | 125                                     | 1601                      | NA                                    | NA                          |

| Videocard Name                                                                                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
|  <b>Video Card</b> ▼ |                                         |                           |                                       |                           |
| <a href="#">Serial Mobility Radeon HD 3400</a>                                                        | 124                                     | 1002                      | NA                                    | NA                        |
| <a href="#">GeForce 310</a>                                                                           | 123                                     | 1605                      | <a href="#">1.14</a>                  | <a href="#">\$108.35*</a> |
| <a href="#">Intel Haswell HD - GT1</a>                                                                | 123                                     | 1609                      | NA                                    | NA                        |
| <a href="#">Matrox G200e WDDM 2.0</a>                                                                 | 123                                     | 1607                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6310</a>                                                                        | 123                                     | 1606                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7290M</a>                                                                       | 123                                     | 1608                      | NA                                    | NA                        |
| <a href="#">GeForce 6600 GT</a>                                                                       | 122                                     | 1611                      | <a href="#">1.88</a>                  | <a href="#">\$64.95*</a>  |
| <a href="#">Quadro FX 570M</a>                                                                        | 122                                     | 1612                      | NA                                    | NA                        |
| <a href="#">Radeon HD 4250</a>                                                                        | 122                                     | 1610                      | NA                                    | NA                        |
| <a href="#">GeForce 9500M G</a>                                                                       | 121                                     | 1613                      | NA                                    | NA                        |
| <a href="#">GeForce GT 220M</a>                                                                       | 121                                     | 1614                      | NA                                    | NA                        |
| <a href="#">Quadro FX 1700</a>                                                                        | 121                                     | 1615                      | <a href="#">0.94</a>                  | <a href="#">\$129.00*</a> |
| <a href="#">Extreme AX850 PRO</a>                                                                     | 120                                     | 1617                      | NA                                    | NA                        |
| <a href="#">Radeon HD 2400</a>                                                                        | 120                                     | 1616                      | <a href="#">1.62</a>                  | <a href="#">\$74.30</a>   |
| <a href="#">GeForce 315M</a>                                                                          | 119                                     | 1619                      | NA                                    | NA                        |
| <a href="#">GeForce 8400 GS</a>                                                                       | 119                                     | 1618                      | <a href="#">2.13</a>                  | <a href="#">\$56.03</a>   |
| <a href="#">GeForce 9600M GS</a>                                                                      | 118                                     | 1620                      | NA                                    | NA                        |
| <a href="#">Radeon HD 2400 XT</a>                                                                     | 118                                     | 1621                      | NA                                    | NA                        |
| <a href="#">RV530 PRO</a>                                                                             | 118                                     | 1622                      | NA                                    | NA                        |
| <a href="#">FireMV 2260</a>                                                                           | 117                                     | 1625                      | <a href="#">1.12</a>                  | <a href="#">\$104.99*</a> |
| <a href="#">Mobile Intel 45 Express-Chipsatzfamilie</a>                                               | 117                                     | 1626                      | NA                                    | NA                        |
| <a href="#">Qualcomm Adreno 540 GPU</a>                                                               | 117                                     | 1623                      | NA                                    | NA                        |
| <a href="#">Qualcomm Adreno 618 GPU</a>                                                               | 117                                     | 1624                      | NA                                    | NA                        |
| <a href="#">FireGL V7200</a>                                                                          | 116                                     | 1629                      | NA                                    | NA                        |
| <a href="#">PHDGD Quantic C3</a>                                                                      | 116                                     | 1627                      | NA                                    | NA                        |
| <a href="#">Radeon X1700 Targa Edition</a>                                                            | 116                                     | 1628                      | NA                                    | NA                        |
| <a href="#">GeForce 8600 GT</a>                                                                       | 115                                     | 1634                      | <a href="#">0.73</a>                  | <a href="#">\$159.00</a>  |
| <a href="#">Intel G33/G31 Express</a>                                                                 | 115                                     | 1632                      | NA                                    | NA                        |
| <a href="#">NVS 3100M</a>                                                                             | 115                                     | 1630                      | NA                                    | NA                        |
| <a href="#">Quadro FX 570</a>                                                                         | 115                                     | 1633                      | <a href="#">1.00</a>                  | <a href="#">\$115.00*</a> |
| <a href="#">Radeon HD 7290</a>                                                                        | 115                                     | 1635                      | NA                                    | NA                        |
| <a href="#">Radeon X1600 XT</a>                                                                       | 115                                     | 1631                      | NA                                    | NA                        |

| Videocard Name                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|----------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼           |                                         |                           |                                       |                           |
| <a href="#">GeForce GO 7800</a>                    | 114                                     | 1030                      | NA                                    | NA                        |
| <a href="#">Radeon HD 2400 Pro</a>                 | 114                                     | 1638                      | NA                                    | NA                        |
| <a href="#">NVS 300</a>                            | 113                                     | 1640                      | <a href="#">1.80</a>                  | <a href="#">\$63.00</a>   |
| <a href="#">Quadro FX 560</a>                      | 113                                     | 1639                      | <a href="#">0.76</a>                  | <a href="#">\$150.25*</a> |
| <a href="#">FirePro 2260</a>                       | 112                                     | 1643                      | NA                                    | NA                        |
| <a href="#">GeForce 310M</a>                       | 112                                     | 1647                      | NA                                    | NA                        |
| <a href="#">GeForce 6800</a>                       | 112                                     | 1645                      | <a href="#">0.20</a>                  | <a href="#">\$559.29*</a> |
| <a href="#">GeForce G105M</a>                      | 112                                     | 1644                      | NA                                    | NA                        |
| <a href="#">Intel HD Modded</a>                    | 112                                     | 1648                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6290</a>                     | 112                                     | 1641                      | NA                                    | NA                        |
| <a href="#">Radeon X1950 Pro</a>                   | 112                                     | 1642                      | NA                                    | NA                        |
| <a href="#">Sapphire RADEON X800 GT</a>            | 112                                     | 1646                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 3400 Series</a>     | 111                                     | 1650                      | NA                                    | NA                        |
| <a href="#">Radeon HD 4200</a>                     | 111                                     | 1649                      | NA                                    | NA                        |
| <a href="#">FireGL V7350</a>                       | 110                                     | 1651                      | <a href="#">0.67</a>                  | <a href="#">\$165.00</a>  |
| <a href="#">Radeon HD 2600 Pro AGP</a>             | 110                                     | 1652                      | NA                                    | NA                        |
| <a href="#">GeForce 6800 LE</a>                    | 109                                     | 1655                      | NA                                    | NA                        |
| <a href="#">Radeon HD 4270</a>                     | 109                                     | 1653                      | NA                                    | NA                        |
| <a href="#">Radeon HD 4330</a>                     | 109                                     | 1656                      | NA                                    | NA                        |
| <a href="#">VIA/S3G Chrome 645/640 GPU</a>         | 109                                     | 1657                      | NA                                    | NA                        |
| <a href="#">XFX Radeon HD 4650 AGP</a>             | 109                                     | 1654                      | NA                                    | NA                        |
| <a href="#">GeForce 8500 GT</a>                    | 108                                     | 1658                      | NA                                    | NA                        |
| <a href="#">Quadro FX 370 LP</a>                   | 108                                     | 1659                      | NA                                    | NA                        |
| <a href="#">GeForce GT 320M</a>                    | 107                                     | 1660                      | NA                                    | NA                        |
| <a href="#">GeForce Go 6800</a>                    | 106                                     | 1663                      | NA                                    | NA                        |
| <a href="#">Radeon Infoshock 3000</a>              | 106                                     | 1661                      | NA                                    | NA                        |
| <a href="#">Radeon X1950 GT</a>                    | 106                                     | 1662                      | NA                                    | NA                        |
| <a href="#">GeForce9400M</a>                       | 105                                     | 1664                      | NA                                    | NA                        |
| <a href="#">GeForce 9450</a>                       | 104                                     | 1665                      | NA                                    | NA                        |
| <a href="#">GeForce 9500M GS</a>                   | 104                                     | 1670                      | NA                                    | NA                        |
| <a href="#">GeForce G210</a>                       | 104                                     | 1666                      | <a href="#">1.66</a>                  | <a href="#">\$63.13*</a>  |
| <a href="#">M880G with Mobility Radeon HD 4250</a> | 104                                     | 1669                      | NA                                    | NA                        |

| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <div>  <b>Video Card</b>  </div> |                                         |                           |                                       |                           |
| <a href="#">FIREGL V3400</a>                                                                                                                                                                       | 103                                     | 1073                      | NA                                    | NA                        |
| <a href="#">GeForce 9500M</a>                                                                                                                                                                      | 103                                     | 1671                      | <a href="#">1.02</a>                  | <a href="#">\$101.20</a>  |
| <a href="#">Quadro FX 1400</a>                                                                                                                                                                     | 103                                     | 1672                      | <a href="#">0.42</a>                  | <a href="#">\$245.01*</a> |
| <a href="#">GeForce 6800 GS/XT</a>                                                                                                                                                                 | 102                                     | 1675                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 2400 XT</a>                                                                                                                                                         | 102                                     | 1676                      | NA                                    | NA                        |
| <a href="#">Quadro FX 370 Low Profile</a>                                                                                                                                                          | 102                                     | 1674                      | NA                                    | NA                        |
| <a href="#">Quadro FX 4000</a>                                                                                                                                                                     | 101                                     | 1679                      | NA                                    | NA                        |
| <a href="#">Quadro FX Go1400</a>                                                                                                                                                                   | 101                                     | 1677                      | NA                                    | NA                        |
| <a href="#">Radeon HD 4350</a>                                                                                                                                                                     | 101                                     | 1678                      | <a href="#">0.60</a>                  | <a href="#">\$170.14</a>  |
| <a href="#">GeForce 8400M GS</a>                                                                                                                                                                   | 98                                      | 1684                      | <a href="#">1.25</a>                  | <a href="#">\$78.20</a>   |
| <a href="#">Mobility Radeon HD 3430</a>                                                                                                                                                            | 98                                      | 1683                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 4250</a>                                                                                                                                                            | 98                                      | 1681                      | NA                                    | NA                        |
| <a href="#">Radeon 3000</a>                                                                                                                                                                        | 98                                      | 1682                      | <a href="#">0.31</a>                  | <a href="#">\$319.00*</a> |
| <a href="#">Radeon X1600 Pro</a>                                                                                                                                                                   | 98                                      | 1680                      | NA                                    | NA                        |
| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">GeForce 9300GE</a>                                                                                                                                                                     | 97                                      | 1686                      | <a href="#">5.43</a>                  | <a href="#">\$18.00*</a>  |
| <a href="#">ION LE</a>                                                                                                                                                                             | 97                                      | 1685                      | NA                                    | NA                        |
| <a href="#">Quadro FX 380</a>                                                                                                                                                                      | 97                                      | 1689                      | <a href="#">1.34</a>                  | <a href="#">\$72.50*</a>  |
| <a href="#">Quadro NVS 130M</a>                                                                                                                                                                    | 97                                      | 1688                      | NA                                    | NA                        |
| <a href="#">RADEON X800 XT</a>                                                                                                                                                                     | 97                                      | 1687                      | NA                                    | NA                        |
| <a href="#">GeForce 210</a>                                                                                                                                                                        | 96                                      | 1692                      | <a href="#">1.61</a>                  | <a href="#">\$59.99</a>   |
| <a href="#">Mobility Radeon HD serie 4200</a>                                                                                                                                                      | 96                                      | 1691                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6250</a>                                                                                                                                                                     | 96                                      | 1690                      | NA                                    | NA                        |
| <a href="#">GeForce 6700 XL</a>                                                                                                                                                                    | 95                                      | 1695                      | NA                                    | NA                        |
| <a href="#">Intel Media Accelerator HD</a>                                                                                                                                                         | 95                                      | 1693                      | NA                                    | NA                        |
| <a href="#">Radeon HD 3000</a>                                                                                                                                                                     | 95                                      | 1694                      | NA                                    | NA                        |
| <a href="#">Matrox G200eW3 WDDM 2.0</a>                                                                                                                                                            | 94                                      | 1697                      | NA                                    | NA                        |
| <a href="#">MEDION RADEON X740XL</a>                                                                                                                                                               | 94                                      | 1696                      | NA                                    | NA                        |
| <a href="#">GeForce 8600 GS</a>                                                                                                                                                                    | 93                                      | 1701                      | NA                                    | NA                        |
| <a href="#">GeForce G102M</a>                                                                                                                                                                      | 93                                      | 1699                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 3470</a>                                                                                                                                                            | 93                                      | 1700                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 3470 Hybrid X2</a>                                                                                                                                                  | 93                                      | 1698                      | NA                                    | NA                        |

| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <div>  <b>Video Card</b>  </div> |                                         |                           |                                       |                           |
| <a href="#">Mobility Radeon HD 4200</a>                                                                                                                                                            | 92                                      | 1704                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 4270</a>                                                                                                                                                            | 92                                      | 1703                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon X1600</a>                                                                                                                                                              | 92                                      | 1708                      | NA                                    | NA                        |
| <a href="#">nForce 780a SLI</a>                                                                                                                                                                    | 92                                      | 1709                      | NA                                    | NA                        |
| <a href="#">Quadro NVS 150M</a>                                                                                                                                                                    | 92                                      | 1707                      | NA                                    | NA                        |
| <a href="#">Radeon HD 3470</a>                                                                                                                                                                     | 92                                      | 1705                      | <a href="#">1.54</a>                  | <a href="#">\$60.38</a>   |
| <a href="#">GeForce 8300</a>                                                                                                                                                                       | 91                                      | 1712                      | <a href="#">4.04</a>                  | <a href="#">\$22.68*</a>  |
| <a href="#">GeForce G205M</a>                                                                                                                                                                      | 91                                      | 1711                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 3450</a>                                                                                                                                                            | 91                                      | 1713                      | NA                                    | NA                        |
| <a href="#">RADEON X600XT</a>                                                                                                                                                                      | 91                                      | 1710                      | NA                                    | NA                        |
| <a href="#">GeForce 9300M GS</a>                                                                                                                                                                   | 90                                      | 1715                      | <a href="#">2.09</a>                  | <a href="#">\$43.42*</a>  |
| <a href="#">GeForce 9400 GT</a>                                                                                                                                                                    | 90                                      | 1717                      | <a href="#">0.58</a>                  | <a href="#">\$155.00</a>  |
| <a href="#">ION</a>                                                                                                                                                                                | 90                                      | 1716                      | <a href="#">0.39</a>                  | <a href="#">\$229.99*</a> |
| <a href="#">Mobility Radeon HD 4200</a>                                                                                                                                                            | 90                                      | 1714                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 2400</a>                                                                                                                                                            | 89                                      | 1718                      | NA                                    | NA                        |
| <a href="#">GeForce 6610 XL</a>                                                                                                                                                                    | 88                                      | 1719                      | NA                                    | NA                        |
| <a href="#">GeForce 6600</a>                                                                                                                                                                       | 87                                      | 1720                      | <a href="#">0.34</a>                  | <a href="#">\$259.00</a>  |
| <a href="#">GeForce 9400M</a>                                                                                                                                                                      | 87                                      | 1721                      | NA                                    | NA                        |
| <a href="#">GeForce 9400</a>                                                                                                                                                                       | 86                                      | 1723                      | NA                                    | NA                        |
| <a href="#">Quadro FX 360M</a>                                                                                                                                                                     | 86                                      | 1722                      | NA                                    | NA                        |
| <a href="#">Quadro FX 350</a>                                                                                                                                                                      | 85                                      | 1724                      | NA                                    | NA                        |
| <a href="#">ALL-IN-WONDER X800 GT</a>                                                                                                                                                              | 84                                      | 1728                      | NA                                    | NA                        |
| <a href="#">FireGL V3200</a>                                                                                                                                                                       | 84                                      | 1725                      | NA                                    | NA                        |
| <a href="#">GeForce 8600M GT</a>                                                                                                                                                                   | 84                                      | 1731                      | <a href="#">0.78</a>                  | <a href="#">\$108.10</a>  |
| <a href="#">GeForce 9300M G</a>                                                                                                                                                                    | 84                                      | 1727                      | NA                                    | NA                        |
| <a href="#">Radeon X1300 PRO</a>                                                                                                                                                                   | 84                                      | 1729                      | NA                                    | NA                        |
| <a href="#">Radeon X1650 Pro</a>                                                                                                                                                                   | 84                                      | 1726                      | <a href="#">0.53</a>                  | <a href="#">\$160.89*</a> |
| <a href="#">RADEON X800 GT</a>                                                                                                                                                                     | 84                                      | 1730                      | NA                                    | NA                        |
| <a href="#">GeForce 999 GTX</a>                                                                                                                                                                    | 83                                      | 1732                      | NA                                    | NA                        |
| <a href="#">nForce 750a SLI</a>                                                                                                                                                                    | 83                                      | 1734                      | NA                                    | NA                        |
| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">Quadro FX 370</a>                                                                                                                                                                      | 83                                      | 1733                      | <a href="#">0.67</a>                  | <a href="#">\$125.00*</a> |

| Videocard Name                                                                                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
|  <b>Video Card</b> ▼ |                                         |                           |                                       |                           |
| <a href="#">GeForce 9100</a>                                                                          | 81                                      | 1730                      | NA                                    | NA                        |
| <a href="#">GeForce 9300 SE</a>                                                                       | 81                                      | 1740                      | NA                                    | NA                        |
| <a href="#">MOBILITY FireGL V5000</a>                                                                 | 81                                      | 1739                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon 4100</a>                                                                  | 81                                      | 1744                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon X2500</a>                                                                 | 81                                      | 1738                      | NA                                    | NA                        |
| <a href="#">nForce 980a/780a SLI</a>                                                                  | 81                                      | 1741                      | NA                                    | NA                        |
| <a href="#">RADEON X800 XT Platinum Edition</a>                                                       | 81                                      | 1743                      | NA                                    | NA                        |
| <a href="#">RADEON X850 XT</a>                                                                        | 81                                      | 1745                      | NA                                    | NA                        |
| <a href="#">RADEON X850 XT Platinum Edition</a>                                                       | 81                                      | 1737                      | NA                                    | NA                        |
| <a href="#">Quadro FX 540</a>                                                                         | 80                                      | 1746                      | <a href="#">1.35</a>                  | <a href="#">\$59.99*</a>  |
| <a href="#">Quadro NVS 420</a>                                                                        | 80                                      | 1747                      | <a href="#">0.54</a>                  | <a href="#">\$150.00*</a> |
| <a href="#">GeForce 8100 / nForce 720a</a>                                                            | 79                                      | 1750                      | NA                                    | NA                        |
| <a href="#">Radeon HD 3450</a>                                                                        | 79                                      | 1748                      | <a href="#">0.90</a>                  | <a href="#">\$89.00</a>   |
| <a href="#">RADEON X800GT</a>                                                                         | 79                                      | 1749                      | NA                                    | NA                        |
| <a href="#">GeForce 9100M G</a>                                                                       | 78                                      | 1751                      | NA                                    | NA                        |
| <a href="#">GeForce 8600M GS</a>                                                                      | 77                                      | 1752                      | NA                                    | NA                        |
| <a href="#">Quadro NVS 160M</a>                                                                       | 76                                      | 1755                      | NA                                    | NA                        |
| <a href="#">Radeon HD 2350</a>                                                                        | 76                                      | 1754                      | NA                                    | NA                        |
| <a href="#">RADEON X800 GTO</a>                                                                       | 76                                      | 1753                      | NA                                    | NA                        |
| <a href="#">M860G with Mobility Radeon 4100</a>                                                       | 75                                      | 1757                      | NA                                    | NA                        |
| <a href="#">RADEON X700 PRO</a>                                                                       | 75                                      | 1756                      | NA                                    | NA                        |
| <a href="#">GeForce 7300 GS</a>                                                                       | 74                                      | 1760                      | NA                                    | NA                        |
| <a href="#">GeForce 7350 LE</a>                                                                       | 74                                      | 1761                      | NA                                    | NA                        |
| <a href="#">Quadro NVS 295</a>                                                                        | 74                                      | 1759                      | <a href="#">1.18</a>                  | <a href="#">\$63.00*</a>  |
| <a href="#">Radeon X1650 GTO</a>                                                                      | 74                                      | 1758                      | NA                                    | NA                        |
| <a href="#">FireMV 2450</a>                                                                           | 73                                      | 1762                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 4300 Serisi</a>                                                        | 73                                      | 1765                      | NA                                    | NA                        |
| <a href="#">Radeon 3100</a>                                                                           | 73                                      | 1763                      | <a href="#">0.25</a>                  | <a href="#">\$299.99</a>  |
| <a href="#">RADEON X800 PRO/GTO</a>                                                                   | 73                                      | 1764                      | NA                                    | NA                        |
| <a href="#">RADEON X700</a>                                                                           | 72                                      | 1767                      | NA                                    | NA                        |
| <a href="#">RADEON X850 PRO</a>                                                                       | 72                                      | 1766                      | NA                                    | NA                        |
| <a href="#">FireGL V7100</a>                                                                          | 71                                      | 1768                      | NA                                    | NA                        |

| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|------------------|
| <div>  <b>Video Card</b>  </div> |                                         |                           |                                       |                  |
| <u>Mobility Radeon HD 4225</u>                                                                                                                                                                     | 71                                      | 1771                      | NA                                    | NA               |
| <u>MEDION RADEON 9800 XXL</u>                                                                                                                                                                      | 71                                      | 1770                      | NA                                    | NA               |
| <u>Radeon X1650 SE</u>                                                                                                                                                                             | 71                                      | 1774                      | NA                                    | NA               |
| <u>RADEON X700 SE</u>                                                                                                                                                                              | 71                                      | 1772                      | NA                                    | NA               |
| <u>Diamond X1300-PCIE 256MB</u>                                                                                                                                                                    | 70                                      | 1777                      | NA                                    | NA               |
| <u>FireGL V3300</u>                                                                                                                                                                                | 70                                      | 1776                      | NA                                    | NA               |
| <u>Radeon X550XTX</u>                                                                                                                                                                              | 70                                      | 1775                      | NA                                    | NA               |
| <u>BASICDISPLAY</u>                                                                                                                                                                                | 69                                      | 1779                      | NA                                    | NA               |
| <u>GeForce 8400M GT</u>                                                                                                                                                                            | 69                                      | 1778                      | NA                                    | NA               |
| <u>GeForce 9300 GE</u>                                                                                                                                                                             | 69                                      | 1783                      | <u>3.02</u>                           | <u>\$22.99*</u>  |
| <u>GeForce 9400M G</u>                                                                                                                                                                             | 69                                      | 1780                      | NA                                    | NA               |
| <u>GeForce Go 6600</u>                                                                                                                                                                             | 69                                      | 1781                      | NA                                    | NA               |
| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)   |
| <u>Quadro FX 3000</u>                                                                                                                                                                              | 69                                      | 1785                      | <u>0.41</u>                           | <u>\$166.61*</u> |
| <u>Quadro NVS 140M</u>                                                                                                                                                                             | 69                                      | 1786                      | NA                                    | NA               |
| <u>Radeon X1600 Pro / X1300XT</u>                                                                                                                                                                  | 69                                      | 1784                      | NA                                    | NA               |
| <u>RADEON X800 XL</u>                                                                                                                                                                              | 69                                      | 1782                      | NA                                    | NA               |
| <u>FireGL V3350</u>                                                                                                                                                                                | 68                                      | 1788                      | NA                                    | NA               |
| <u>GeForce 8400 SE</u>                                                                                                                                                                             | 68                                      | 1790                      | NA                                    | NA               |
| <u>Intel B43 Express Chipset</u>                                                                                                                                                                   | 68                                      | 1789                      | NA                                    | NA               |
| <u>Mobile Intel 965 Express</u>                                                                                                                                                                    | 68                                      | 1787                      | NA                                    | NA               |
| <u>256MB RADEON X600</u>                                                                                                                                                                           | 67                                      | 1795                      | NA                                    | NA               |
| <u>GeForce G 105M</u>                                                                                                                                                                              | 67                                      | 1793                      | NA                                    | NA               |
| <u>Intel G45/G43 Express Chipset</u>                                                                                                                                                               | 67                                      | 1794                      | NA                                    | NA               |
| <u>Intel G45/G43/G41 Express Chipset</u>                                                                                                                                                           | 67                                      | 1791                      | NA                                    | NA               |
| <u>Matrox G200eR WDDM 2.0</u>                                                                                                                                                                      | 67                                      | 1792                      | NA                                    | NA               |
| <u>128MB DDR Radeon 9800 Pro</u>                                                                                                                                                                   | 66                                      | 1801                      | NA                                    | NA               |
| <u>GeForce 8300 GS</u>                                                                                                                                                                             | 66                                      | 1797                      | NA                                    | NA               |
| <u>Mobility Radeon HD 4225</u>                                                                                                                                                                     | 66                                      | 1800                      | NA                                    | NA               |
| <u>MOBILITY RADEON X700</u>                                                                                                                                                                        | 66                                      | 1796                      | NA                                    | NA               |
| <u>Quadro NVS 135M</u>                                                                                                                                                                             | 66                                      | 1798                      | NA                                    | NA               |
| <u>Radeon X1550</u>                                                                                                                                                                                | 66                                      | 1799                      | <u>0.59</u>                           | <u>\$113.00*</u> |

| Videocard Name                                                                                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
|  <b>Video Card</b> ▼ |                                         |                           |                                       |                           |
| <a href="#">Quadro NVS 450</a>                                                                        | 63                                      | 1804                      | <a href="#">0.41</a>                  | <a href="#">\$109.00</a>  |
| <a href="#">Intel G41 Express Chipset</a>                                                             | 64                                      | 1805                      | NA                                    | NA                        |
| <a href="#">M71-M</a>                                                                                 | 64                                      | 1807                      | NA                                    | NA                        |
| <a href="#">RADEON X800 PRO</a>                                                                       | 64                                      | 1806                      | NA                                    | NA                        |
| <a href="#">Quadro FX 550</a>                                                                         | 63                                      | 1808                      | <a href="#">0.43</a>                  | <a href="#">\$149.00*</a> |
| <a href="#">128 DDR Radeon 9800 Pro</a>                                                               | 62                                      | 1813                      | NA                                    | NA                        |
| <a href="#">Intel HD manual-15.28-1861</a>                                                            | 62                                      | 1810                      | NA                                    | NA                        |
| <a href="#">MOBILITY FireGL V3200</a>                                                                 | 62                                      | 1812                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 3410</a>                                                               | 62                                      | 1809                      | NA                                    | NA                        |
| <a href="#">Quadro FX 350M</a>                                                                        | 62                                      | 1811                      | NA                                    | NA                        |
| <a href="#">GeForce G 103M</a>                                                                        | 61                                      | 1814                      | NA                                    | NA                        |
| <a href="#">SAPPHIRE Radeon X1550</a>                                                                 | 61                                      | 1815                      | NA                                    | NA                        |
| <a href="#">GeForce 9200M GS</a>                                                                      | 60                                      | 1816                      | NA                                    | NA                        |
| <a href="#">FireGL X1</a>                                                                             | 59                                      | 1822                      | NA                                    | NA                        |
| <a href="#">GeForce FX 5950 Ultra</a>                                                                 | 59                                      | 1821                      | NA                                    | NA                        |
| <a href="#">Matrox G200e WDDM 1.2</a>                                                                 | 59                                      | 1820                      | NA                                    | NA                        |
| <a href="#">MOBILITY RADEON X700 XL</a>                                                               | 59                                      | 1817                      | NA                                    | NA                        |
| <a href="#">Radeon 2100</a>                                                                           | 59                                      | 1818                      | <a href="#">0.30</a>                  | <a href="#">\$199.99</a>  |
| <a href="#">RADEON 9800 PRO</a>                                                                       | 59                                      | 1819                      | NA                                    | NA                        |
| <a href="#">GeForce 6800 XE</a>                                                                       | 58                                      | 1823                      | NA                                    | NA                        |
| <a href="#">GeForce 8400M G</a>                                                                       | 58                                      | 1824                      | NA                                    | NA                        |
| <a href="#">Mobile Intel 45 Express</a>                                                               | 58                                      | 1826                      | NA                                    | NA                        |
| <a href="#">Radeon X1300</a>                                                                          | 58                                      | 1825                      | <a href="#">1.42</a>                  | <a href="#">\$41.15*</a>  |
| <a href="#">Intel - Express Chipset Q45/Q43</a>                                                       | 57                                      | 1827                      | NA                                    | NA                        |
| <a href="#">Intel G41 Express-Chipsatz</a>                                                            | 57                                      | 1829                      | NA                                    | NA                        |
| <a href="#">Intel Q45/Q43 Express-Chipsatz</a>                                                        | 57                                      | 1830                      | NA                                    | NA                        |
| <a href="#">RADEON 9800</a>                                                                           | 57                                      | 1828                      | <a href="#">0.18</a>                  | <a href="#">\$325.00</a>  |
| <a href="#">Intel - Express Chipset G41</a>                                                           | 56                                      | 1832                      | NA                                    | NA                        |
| Videocard Name                                                                                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">RADEON 9800 XT</a>                                                                        | 56                                      | 1831                      | NA                                    | NA                        |
| <a href="#">RADEON X550XT</a>                                                                         | 56                                      | 1834                      | NA                                    | NA                        |
| <a href="#">RADEON X600 256MB HyperMemory</a>                                                         | 56                                      | 1833                      | NA                                    | NA                        |

| Videocard Name                                  | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|-------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼        |                                         |                           |                                       |                           |
| <a href="#">FireGL V3100</a>                    | 52                                      | 1837                      | NA                                    | NA                        |
| <a href="#">GeForce Go 7300</a>                 | 52                                      | 1839                      | NA                                    | NA                        |
| <a href="#">Radeon Xpress 1300</a>              | 52                                      | 1838                      | NA                                    | NA                        |
| <a href="#">FirePro 2450</a>                    | 51                                      | 1846                      | <a href="#">0.18</a>                  | <a href="#">\$278.00*</a> |
| <a href="#">GeForce 6600 LE</a>                 | 51                                      | 1845                      | NA                                    | NA                        |
| <a href="#">GeForce 7100 GS</a>                 | 51                                      | 1842                      | NA                                    | NA                        |
| <a href="#">GeForce 7300 SE/7200 GS</a>         | 51                                      | 1840                      | NA                                    | NA                        |
| <a href="#">GeForce FX Go5700</a>               | 51                                      | 1844                      | NA                                    | NA                        |
| <a href="#">Matrox G200eh WDDM 1.2</a>          | 51                                      | 1841                      | NA                                    | NA                        |
| <a href="#">RADEON E2400</a>                    | 51                                      | 1843                      | NA                                    | NA                        |
| <a href="#">Matrox G200eR WDDM 1.2</a>          | 50                                      | 1848                      | NA                                    | NA                        |
| <a href="#">Matrox G200eW WDDM 1.2</a>          | 50                                      | 1851                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 2300</a>         | 50                                      | 1849                      | NA                                    | NA                        |
| <a href="#">MOBILITY RADEON X600</a>            | 50                                      | 1850                      | NA                                    | NA                        |
| <a href="#">RADEON X550</a>                     | 50                                      | 1847                      | NA                                    | NA                        |
| <a href="#">128MB RADEON X600 SE</a>            | 49                                      | 1855                      | <a href="#">0.87</a>                  | <a href="#">\$56.18*</a>  |
| <a href="#">MOBILITY RADEON X600 SE</a>         | 49                                      | 1853                      | NA                                    | NA                        |
| <a href="#">Radeon X1050</a>                    | 49                                      | 1854                      | NA                                    | NA                        |
| <a href="#">Radeon X1600</a>                    | 49                                      | 1852                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon X2300</a>           | 48                                      | 1857                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon X2300 HD</a>        | 48                                      | 1856                      | NA                                    | NA                        |
| <a href="#">Quadro NVS 110M</a>                 | 47                                      | 1859                      | NA                                    | NA                        |
| <a href="#">Radeon X1550 64-bit</a>             | 47                                      | 1858                      | NA                                    | NA                        |
| <a href="#">SAPPHIRE RADEON 9600 ATLANTIS</a>   | 47                                      | 1860                      | NA                                    | NA                        |
| <a href="#">MOBILITY RADEON 9800</a>            | 46                                      | 1862                      | NA                                    | NA                        |
| <a href="#">Quadro NVS 120M</a>                 | 46                                      | 1861                      | NA                                    | NA                        |
| <a href="#">FireMV 2250</a>                     | 45                                      | 1863                      | <a href="#">0.46</a>                  | <a href="#">\$99.00</a>   |
| <a href="#">GeForce 6200 TurboCache</a>         | 45                                      | 1864                      | NA                                    | NA                        |
| <a href="#">GeForce Go 7200</a>                 | 45                                      | 1865                      | NA                                    | NA                        |
| <a href="#">Matrox G200eh WDDM 2.0</a>          | 45                                      | 1866                      | NA                                    | NA                        |
| <a href="#">128 DDR Radeon 9700 TX w/TV-Out</a> | 44                                      | 1871                      | NA                                    | NA                        |
| <a href="#">GeForce Go 6600 TE/6200 TE</a>      | 44                                      | 1868                      | NA                                    | NA                        |

| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|------------------|
| <div>  <b>Video Card</b>  </div> |                                         |                           |                                       |                  |
| <u>MOBILITY FIREGL V3200</u>                                                                                                                                                                       | 44                                      | 1007                      | NA                                    | NA               |
| <u>Matrox M9138 LP PCIe x16</u>                                                                                                                                                                    | 42                                      | 1875                      | NA                                    | NA               |
| <u>Mobility Radeon X1400</u>                                                                                                                                                                       | 42                                      | 1872                      | NA                                    | NA               |
| <u>RADEON 9600 PRO</u>                                                                                                                                                                             | 42                                      | 1873                      | NA                                    | NA               |
| <u>Radeon Xpress 1250</u>                                                                                                                                                                          | 42                                      | 1874                      | NA                                    | NA               |
| <u>GeForce FX 5900 Ultra</u>                                                                                                                                                                       | 41                                      | 1877                      | NA                                    | NA               |
| <u>RADEON 9500 PRO / 9700</u>                                                                                                                                                                      | 41                                      | 1876                      | NA                                    | NA               |
| <u>GeForce FX 5700</u>                                                                                                                                                                             | 40                                      | 1879                      | NA                                    | NA               |
| <u>GeForce FX 5900XT</u>                                                                                                                                                                           | 40                                      | 1883                      | NA                                    | NA               |
| <u>Gigabyte RADEON X300</u>                                                                                                                                                                        | 40                                      | 1878                      | NA                                    | NA               |
| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)   |
| <u>Matrox G200eh</u>                                                                                                                                                                               | 40                                      | 1881                      | NA                                    | NA               |
| <u>MOBILITY FIREGL T2</u>                                                                                                                                                                          | 40                                      | 1880                      | NA                                    | NA               |
| <u>Radeon Xpress 1300M</u>                                                                                                                                                                         | 40                                      | 1882                      | NA                                    | NA               |
| <u>GeForce 7050 / nForce 620i</u>                                                                                                                                                                  | 39                                      | 1891                      | NA                                    | NA               |
| <u>GeForce 7300 SE</u>                                                                                                                                                                             | 39                                      | 1890                      | NA                                    | NA               |
| <u>GIGABYTE RADEON 9600 PRO</u>                                                                                                                                                                    | 39                                      | 1889                      | NA                                    | NA               |
| <u>Matrox G200eW</u>                                                                                                                                                                               | 39                                      | 1885                      | NA                                    | NA               |
| <u>MOBILITY RADEON 9600/9700</u>                                                                                                                                                                   | 39                                      | 1888                      | NA                                    | NA               |
| <u>Mobility Radeon X1300</u>                                                                                                                                                                       | 39                                      | 1886                      | NA                                    | NA               |
| <u>Mobility Radeon X1350</u>                                                                                                                                                                       | 39                                      | 1884                      | NA                                    | NA               |
| <u>S3 Chrome 430 ULP</u>                                                                                                                                                                           | 39                                      | 1887                      | NA                                    | NA               |
| <u>GeForce 6500</u>                                                                                                                                                                                | 38                                      | 1893                      | NA                                    | NA               |
| <u>Mobile Intel - famiglia Express Chipset 45</u>                                                                                                                                                  | 38                                      | 1892                      | NA                                    | NA               |
| <u>Quadro NVS 285 128MB</u>                                                                                                                                                                        | 38                                      | 1894                      | <u>0.70</u>                           | <u>\$55.00*</u>  |
| <u>RADEON X300SE</u>                                                                                                                                                                               | 38                                      | 1895                      | NA                                    | NA               |
| <u>256MB DDR Radeon 9800 XT</u>                                                                                                                                                                    | 37                                      | 1896                      | NA                                    | NA               |
| <u>Quadro NVS 440</u>                                                                                                                                                                              | 37                                      | 1897                      | <u>0.30</u>                           | <u>\$124.99*</u> |
| <u>Radeon X1250</u>                                                                                                                                                                                | 37                                      | 1898                      | NA                                    | NA               |
| <u>CONNECT 3D RADEON X300</u>                                                                                                                                                                      | 36                                      | 1900                      | NA                                    | NA               |
| <u>FireMV 2200 PCIe</u>                                                                                                                                                                            | 36                                      | 1902                      | <u>0.40</u>                           | <u>\$89.99*</u>  |
| <u>Matrox G200eR</u>                                                                                                                                                                               | 36                                      | 1899                      | NA                                    | NA               |

| Videocard Name                             | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼   |                                         |                           |                                       |                           |
| <a href="#">GeForce 6200</a>               | 35                                      | 1907                      | <a href="#">0.24</a>                  | <a href="#">\$149.00</a>  |
| <a href="#">GeForce 7100 / nForce 630i</a> | 35                                      | 1905                      | NA                                    | NA                        |
| <a href="#">Quadro FX 1100</a>             | 35                                      | 1904                      | <a href="#">0.17</a>                  | <a href="#">\$212.99*</a> |
| <a href="#">Quadro NVS 285</a>             | 35                                      | 1908                      | <a href="#">0.21</a>                  | <a href="#">\$169.86*</a> |
| <a href="#">RADEON 9600 XT</a>             | 35                                      | 1909                      | NA                                    | NA                        |
| <a href="#">Radeon Xpress 1200</a>         | 35                                      | 1906                      | NA                                    | NA                        |
| <a href="#">GeForce 6150 LE</a>            | 34                                      | 1914                      | NA                                    | NA                        |
| <a href="#">GeForce 7025 / nForce 630a</a> | 34                                      | 1911                      | NA                                    | NA                        |
| <a href="#">GeForce FX 5700 Ultra</a>      | 34                                      | 1917                      | NA                                    | NA                        |
| <a href="#">GeForce FX 5900</a>            | 34                                      | 1913                      | NA                                    | NA                        |
| <a href="#">GeForce PCX 5750</a>           | 34                                      | 1910                      | NA                                    | NA                        |
| <a href="#">GeForce PCX 5900</a>           | 34                                      | 1918                      | NA                                    | NA                        |
| <a href="#">Quadro FX 1000</a>             | 34                                      | 1916                      | NA                                    | NA                        |
| <a href="#">Quadro FX 1300</a>             | 34                                      | 1915                      | NA                                    | NA                        |
| <a href="#">RADEON 9550</a>                | 34                                      | 1912                      | <a href="#">1.09</a>                  | <a href="#">\$31.88*</a>  |
| <a href="#">Radeon Xpress 1100</a>         | 34                                      | 1919                      | NA                                    | NA                        |
| <a href="#">GeForce 7150 / nForce 630i</a> | 33                                      | 1924                      | NA                                    | NA                        |
| <a href="#">GeForce FX 5700VE</a>          | 33                                      | 1923                      | NA                                    | NA                        |
| <a href="#">MOBILITY FIREGL T2/T2e</a>     | 33                                      | 1921                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon X1450</a>      | 33                                      | 1922                      | NA                                    | NA                        |
| <a href="#">MOBILITY RADEON X300</a>       | 33                                      | 1920                      | NA                                    | NA                        |
| <a href="#">GeForce 6200 A-LE</a>          | 32                                      | 1928                      | NA                                    | NA                        |
| <a href="#">GeForce FX 5900ZT</a>          | 32                                      | 1926                      | NA                                    | NA                        |
| <a href="#">Intel Media Accelerator</a>    | 32                                      | 1925                      | NA                                    | NA                        |
| <a href="#">Radeon X1200</a>               | 32                                      | 1927                      | NA                                    | NA                        |
| <a href="#">GeForce 6200 LE</a>            | 31                                      | 1930                      | <a href="#">0.75</a>                  | <a href="#">\$41.24*</a>  |
| Videocard Name                             | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">Radeon X1270</a>               | 31                                      | 1931                      | NA                                    | NA                        |
| <a href="#">Red Hat QXL controller</a>     | 31                                      | 1929                      | NA                                    | NA                        |
| <a href="#">All-in-Wonder X1800XL</a>      | 30                                      | 1937                      | NA                                    | NA                        |
| <a href="#">FireGL T2-128</a>              | 30                                      | 1934                      | NA                                    | NA                        |
| <a href="#">GeForce 6150SE nForce 430</a>  | 30                                      | 1933                      | NA                                    | NA                        |

| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|----------------|
| <div>  <b>Video Card</b>  </div> |                                         |                           |                                       |                |
| <a href="#">OpenGL Display Driver</a>                                                                                                                                                              | 30                                      | 1332                      | NA                                    | NA             |
| <a href="#">Radeon 9550 / X1050</a>                                                                                                                                                                | 29                                      | 1940                      | NA                                    | NA             |
| <a href="#">Radeon Xpress 1150</a>                                                                                                                                                                 | 29                                      | 1938                      | NA                                    | NA             |
| <a href="#">RADEON XPRESS 200</a>                                                                                                                                                                  | 29                                      | 1939                      | NA                                    | NA             |
| <a href="#">GeForce 6200SE TurboCache</a>                                                                                                                                                          | 28                                      | 1941                      | NA                                    | NA             |
| <a href="#">Matrox M9128 LP PCIe x16</a>                                                                                                                                                           | 28                                      | 1942                      | NA                                    | NA             |
| <a href="#">GeForce 7050 / nForce 630i</a>                                                                                                                                                         | 27                                      | 1947                      | NA                                    | NA             |
| <a href="#">MOBILITY FireGL V5250</a>                                                                                                                                                              | 27                                      | 1944                      | NA                                    | NA             |
| <a href="#">MOBILITY RADEON 9700</a>                                                                                                                                                               | 27                                      | 1943                      | NA                                    | NA             |
| <a href="#">MOBILITY RADEON XPRESS 200</a>                                                                                                                                                         | 27                                      | 1946                      | NA                                    | NA             |
| <a href="#">RADEON 9600SE</a>                                                                                                                                                                      | 27                                      | 1945                      | NA                                    | NA             |
| <a href="#">GeForce 7100 / nForce 620i</a>                                                                                                                                                         | 26                                      | 1950                      | NA                                    | NA             |
| <a href="#">RADEON 9600 PRO Family</a>                                                                                                                                                             | 26                                      | 1948                      | NA                                    | NA             |
| <a href="#">Radeon Xpress 1270</a>                                                                                                                                                                 | 26                                      | 1949                      | NA                                    | NA             |
| <a href="#">GeForce 6100 nForce 400</a>                                                                                                                                                            | 25                                      | 1954                      | NA                                    | NA             |
| <a href="#">GeForce 6100 nForce 420</a>                                                                                                                                                            | 25                                      | 1953                      | NA                                    | NA             |
| <a href="#">Matrox M9125 PCIe x16</a>                                                                                                                                                              | 25                                      | 1952                      | NA                                    | NA             |
| <a href="#">PHDGD Sapphire GR for Mobile Intel 965</a>                                                                                                                                             | 25                                      | 1951                      | NA                                    | NA             |
| <a href="#">RADEON 9600 Family</a>                                                                                                                                                                 | 25                                      | 1955                      | NA                                    | NA             |
| <a href="#">GeForce 6100</a>                                                                                                                                                                       | 24                                      | 1959                      | NA                                    | NA             |
| <a href="#">GeForce 6150SE</a>                                                                                                                                                                     | 24                                      | 1957                      | NA                                    | NA             |
| <a href="#">GeForce 7050 / nForce 610i</a>                                                                                                                                                         | 24                                      | 1961                      | NA                                    | NA             |
| <a href="#">GeForce FX 5700LE</a>                                                                                                                                                                  | 24                                      | 1958                      | NA                                    | NA             |
| <a href="#">GeForce Go 6400</a>                                                                                                                                                                    | 24                                      | 1962                      | NA                                    | NA             |
| <a href="#">Intel G965 Express</a>                                                                                                                                                                 | 24                                      | 1960                      | NA                                    | NA             |
| <a href="#">Mobile Intel 965 Express-Chipsatzfamilie</a>                                                                                                                                           | 24                                      | 1963                      | NA                                    | NA             |
| <a href="#">MOBILITY RADEON 9600 PRO TURBO</a>                                                                                                                                                     | 24                                      | 1956                      | NA                                    | NA             |
| <a href="#">ALL-IN-WONDER 9800</a>                                                                                                                                                                 | 23                                      | 1967                      | NA                                    | NA             |
| <a href="#">GeForce 6100 nForce 430</a>                                                                                                                                                            | 23                                      | 1969                      | NA                                    | NA             |
| <a href="#">GeForce 7200 GS</a>                                                                                                                                                                    | 23                                      | 1968                      | NA                                    | NA             |
| <a href="#">Matrox M9140 LP PCIe x16</a>                                                                                                                                                           | 23                                      | 1966                      | NA                                    | NA             |
| <a href="#">Quadro NVS 210S</a>                                                                                                                                                                    | 23                                      | 1964                      | NA                                    | NA             |

| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <div>  <b>Video Card</b>  </div> |                                         |                           |                                       |                           |
| <a href="#">RADEON 9300XL</a>                                                                                                                                                                      | 22                                      | 1970                      | NA                                    | NA                        |
| <a href="#">RADEON XPRESS 200M</a>                                                                                                                                                                 | 22                                      | 1971                      | NA                                    | NA                        |
| <a href="#">9xx Soldiers sans frontiers Sigma 2</a>                                                                                                                                                | 21                                      | 1974                      | NA                                    | NA                        |
| <a href="#">GeForce 6150</a>                                                                                                                                                                       | 21                                      | 1973                      | <a href="#">0.07</a>                  | <a href="#">\$329.00*</a> |
| <a href="#">Intel 82945G Express</a>                                                                                                                                                               | 20                                      | 1976                      | NA                                    | NA                        |
| <a href="#">PHDGD Solo 2 x64</a>                                                                                                                                                                   | 20                                      | 1977                      | NA                                    | NA                        |
| <a href="#">Quadro NVS 210S / GeForce 6150LE</a>                                                                                                                                                   | 20                                      | 1975                      | NA                                    | NA                        |
| <a href="#">GeForce Go 6150</a>                                                                                                                                                                    | 19                                      | 1979                      | NA                                    | NA                        |
| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">Matrox M9120 PCIe x16</a>                                                                                                                                                              | 19                                      | 1978                      | NA                                    | NA                        |
| <a href="#">GeForce 7150M / nForce 630M</a>                                                                                                                                                        | 18                                      | 1983                      | NA                                    | NA                        |
| <a href="#">Quadro FX 2000</a>                                                                                                                                                                     | 18                                      | 1985                      | NA                                    | NA                        |
| <a href="#">QXL KMDOD</a>                                                                                                                                                                          | 18                                      | 1980                      | NA                                    | NA                        |
| <a href="#">RADEON 9600 TX Family</a>                                                                                                                                                              | 18                                      | 1982                      | NA                                    | NA                        |
| <a href="#">RADEON XPRESS 200 CROSSFIRE</a>                                                                                                                                                        | 18                                      | 1984                      | NA                                    | NA                        |
| <a href="#">S3 Chrome S25 DDR2</a>                                                                                                                                                                 | 18                                      | 1981                      | NA                                    | NA                        |
| <a href="#">GeForce FX 5600 Ultra</a>                                                                                                                                                              | 17                                      | 1989                      | NA                                    | NA                        |
| <a href="#">GeForce FX Go 5600</a>                                                                                                                                                                 | 17                                      | 1987                      | NA                                    | NA                        |
| <a href="#">GeForce Go 6100</a>                                                                                                                                                                    | 17                                      | 1986                      | NA                                    | NA                        |
| <a href="#">Mobile Intel965 Express</a>                                                                                                                                                            | 17                                      | 1988                      | NA                                    | NA                        |
| <a href="#">GeForce FX Go5650</a>                                                                                                                                                                  | 16                                      | 1990                      | NA                                    | NA                        |
| <a href="#">GRID V100-8Q</a>                                                                                                                                                                       | 16                                      | 1991                      | NA                                    | NA                        |
| <a href="#">GeForce Go 6200</a>                                                                                                                                                                    | 15                                      | 1993                      | NA                                    | NA                        |
| <a href="#">NV44</a>                                                                                                                                                                               | 15                                      | 1992                      | NA                                    | NA                        |
| <a href="#">Quadro FX 500/600 PCI</a>                                                                                                                                                              | 14                                      | 1994                      | NA                                    | NA                        |
| <a href="#">Radeon HD 2400 PCI</a>                                                                                                                                                                 | 14                                      | 1995                      | NA                                    | NA                        |
| <a href="#">GeForce 7000M</a>                                                                                                                                                                      | 13                                      | 1996                      | NA                                    | NA                        |
| <a href="#">GeForce 7000M / nForce 610M</a>                                                                                                                                                        | 12                                      | 1997                      | NA                                    | NA                        |
| <a href="#">GeForce FX 5200 Ultra</a>                                                                                                                                                              | 12                                      | 2000                      | NA                                    | NA                        |
| <a href="#">GeForce FX 5600</a>                                                                                                                                                                    | 12                                      | 1998                      | NA                                    | NA                        |
| <a href="#">GeForce FX Go5300</a>                                                                                                                                                                  | 12                                      | 1999                      | NA                                    | NA                        |
| <a href="#">FireMV 2400 PCIe</a>                                                                                                                                                                   | 11                                      | 2002                      | NA                                    | NA                        |

| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|------------------|
| <div>  <b>Video Card</b>  </div> |                                         |                           |                                       |                  |
| <u>Matrox Drivers v3</u>                                                                                                                                                                           | 11                                      | 2003                      | NA                                    | NA               |
| <u>Familia Intel Q33 Express Chipset</u>                                                                                                                                                           | 10                                      | 2007                      | NA                                    | NA               |
| <u>Master X3100 Driver</u>                                                                                                                                                                         | 10                                      | 2005                      | NA                                    | NA               |
| <u>MOBILITY IGP 9000/9100</u>                                                                                                                                                                      | 10                                      | 2006                      | NA                                    | NA               |
| <u>ASUS A7000</u>                                                                                                                                                                                  | 9                                       | 2011                      | NA                                    | NA               |
| <u>GeForce FX 5600XT</u>                                                                                                                                                                           | 9                                       | 2012                      | NA                                    | NA               |
| <u>Matrox M9148 LP PCIe x16</u>                                                                                                                                                                    | 9                                       | 2008                      | NA                                    | NA               |
| <u>Matrox Parhelia 256MB</u>                                                                                                                                                                       | 9                                       | 2009                      | NA                                    | NA               |
| <u>VIA Chrome9 HD IGP</u>                                                                                                                                                                          | 9                                       | 2010                      | NA                                    | NA               |
| <u>GeCube RADEON 7000</u>                                                                                                                                                                          | 8                                       | 2013                      | NA                                    | NA               |
| <u>GeForce FX 5500</u>                                                                                                                                                                             | 8                                       | 2016                      | <u>0.05</u>                           | <u>\$156.97</u>  |
| <u>GeForce FX Go 5200</u>                                                                                                                                                                          | 8                                       | 2014                      | NA                                    | NA               |
| <u>Intel 82945G Express-Chipsatzfamilie</u>                                                                                                                                                        | 8                                       | 2019                      | NA                                    | NA               |
| <u>Intel Q35 Embedded</u>                                                                                                                                                                          | 8                                       | 2015                      | NA                                    | NA               |
| <u>Mobile Intel 965 Express - BR-0907-0461 v1839</u>                                                                                                                                               | 8                                       | 2017                      | NA                                    | NA               |
| <u>Quadro NVS 280 PCI</u>                                                                                                                                                                          | 8                                       | 2018                      | <u>0.06</u>                           | <u>\$130.00*</u> |
| <u>ASUS V9520-X V62.11</u>                                                                                                                                                                         | 7                                       | 2022                      | NA                                    | NA               |
| <u>Famille de jeu de puces Express Intel 946GZ</u>                                                                                                                                                 | 7                                       | 2025                      | NA                                    | NA               |
| <u>GeForce FX 5100</u>                                                                                                                                                                             | 7                                       | 2021                      | NA                                    | NA               |
| <u>GeForce FX 5200</u>                                                                                                                                                                             | 7                                       | 2024                      | <u>0.08</u>                           | <u>\$89.00</u>   |
| <u>GeForce FX 5200LE</u>                                                                                                                                                                           | 7                                       | 2028                      | <u>0.16</u>                           | <u>\$42.99*</u>  |
| <u>GeForce4 Ti 4400</u>                                                                                                                                                                            | 7                                       | 2027                      | NA                                    | NA               |
| <u>Intel US15 Embedded Media and Controller</u>                                                                                                                                                    | 7                                       | 2026                      | NA                                    | NA               |
| <u>MOBILITY RADEON 9000 IGP</u>                                                                                                                                                                    | 7                                       | 2020                      | NA                                    | NA               |
| Videocard Name                                                                                                                                                                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)   |
| <u>Quadro FX 500/FX 600</u>                                                                                                                                                                        | 7                                       | 2023                      | NA                                    | NA               |
| <u>GeForce PCX 5300</u>                                                                                                                                                                            | 6                                       | 2039                      | NA                                    | NA               |
| <u>GeForce2 Ultra</u>                                                                                                                                                                              | 6                                       | 2036                      | NA                                    | NA               |
| <u>GeForce4 MX Integrated GPU</u>                                                                                                                                                                  | 6                                       | 2034                      | NA                                    | NA               |
| <u>GeForce4 Ti 4800 SE</u>                                                                                                                                                                         | 6                                       | 2030                      | NA                                    | NA               |
| <u>Intel Media Accelerator 600</u>                                                                                                                                                                 | 6                                       | 2029                      | NA                                    | NA               |
| <u>Intel Q33 Express</u>                                                                                                                                                                           | 6                                       | 2037                      | NA                                    | NA               |

| Videocard Name                                    | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|---------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Home</a> <b>Video Card</b> ▼          |                                         |                           |                                       |                           |
| <a href="#">Quadro NVS 55/280 PCI</a>             | 0                                       | 2041                      | NA                                    | NA                        |
| <a href="#">Quadro4 380 XGL</a>                   | 6                                       | 2032                      | NA                                    | NA                        |
| <a href="#">RADEON 8500 Family</a>                | 6                                       | 2033                      | NA                                    | NA                        |
| <a href="#">RADEON 9100 Family</a>                | 6                                       | 2040                      | NA                                    | NA                        |
| <a href="#">RADEON IGP 350M</a>                   | 6                                       | 2042                      | NA                                    | NA                        |
| <a href="#">V9560XT V62.11</a>                    | 6                                       | 2035                      | NA                                    | NA                        |
| <a href="#">64MB DDR GeForce3 Ti 200</a>          | 5                                       | 2048                      | NA                                    | NA                        |
| <a href="#">ALL-IN-WONDER RADEON 8500DV</a>       | 5                                       | 2053                      | NA                                    | NA                        |
| <a href="#">GeForce 256</a>                       | 5                                       | 2063                      | <a href="#">0.12</a>                  | <a href="#">\$42.04*</a>  |
| <a href="#">GeForce4 420 Go 32M</a>               | 5                                       | 2058                      | NA                                    | NA                        |
| <a href="#">GeForce4 440 Go 64M</a>               | 5                                       | 2043                      | NA                                    | NA                        |
| <a href="#">GeForce4 448 Go</a>                   | 5                                       | 2055                      | NA                                    | NA                        |
| <a href="#">GeForce4 Ti 4200</a>                  | 5                                       | 2054                      | NA                                    | NA                        |
| <a href="#">GeForce4 Ti 4600</a>                  | 5                                       | 2056                      | <a href="#">0.10</a>                  | <a href="#">\$53.99*</a>  |
| <a href="#">GeForce4 Ti 4800</a>                  | 5                                       | 2045                      | NA                                    | NA                        |
| <a href="#">Intel 82915G Express</a>              | 5                                       | 2049                      | NA                                    | NA                        |
| <a href="#">Matrox M9120 Plus LP PCIe x16</a>     | 5                                       | 2050                      | NA                                    | NA                        |
| <a href="#">Matrox Millennium P650 PCIe 128</a>   | 5                                       | 2059                      | NA                                    | NA                        |
| <a href="#">Matrox Parhelia APVe</a>              | 5                                       | 2052                      | NA                                    | NA                        |
| <a href="#">Mobile Intel 945GM Express</a>        | 5                                       | 2046                      | NA                                    | NA                        |
| <a href="#">Mobile Intel 945GM/GU Express</a>     | 5                                       | 2060                      | NA                                    | NA                        |
| <a href="#">MOBILITY RADEON 9000/9100 IGP</a>     | 5                                       | 2051                      | NA                                    | NA                        |
| <a href="#">Quadro 280 NVS PCIe</a>               | 5                                       | 2047                      | NA                                    | NA                        |
| <a href="#">Quadro4 980 XGL</a>                   | 5                                       | 2064                      | <a href="#">0.01</a>                  | <a href="#">\$341.43*</a> |
| <a href="#">RADEON 9100 IGP</a>                   | 5                                       | 2057                      | NA                                    | NA                        |
| <a href="#">SAPPHIRE RADEON 9000 ATLANTIS PRO</a> | 5                                       | 2061                      | NA                                    | NA                        |
| <a href="#">VIA/S3G UniChromell</a>               | 5                                       | 2044                      | NA                                    | NA                        |
| <a href="#">Xabre</a>                             | 5                                       | 2062                      | NA                                    | NA                        |
| <a href="#">ALL-IN-WONDER 9000</a>                | 4                                       | 2067                      | NA                                    | NA                        |
| <a href="#">ASUS AGP-V3800PRO v31.40H</a>         | 4                                       | 2086                      | NA                                    | NA                        |
| <a href="#">Dell 8200</a>                         | 4                                       | 2088                      | NA                                    | NA                        |
| <a href="#">GeForce2 Go</a>                       | 4                                       | 2092                      | NA                                    | NA                        |

| Videocard Name                             | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
|--------------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|----------------|
| <a href="#">Home</a> <b>Video Card</b> ▼   |                                         |                           |                                       |                |
| <a href="#">GeForce2 Ti</a>                | 4                                       | 2073                      | NA                                    | NA             |
| <a href="#">GeForce3</a>                   | 4                                       | 2068                      | NA                                    | NA             |
| <a href="#">GeForce3 Ti 200</a>            | 4                                       | 2094                      | NA                                    | NA             |
| <a href="#">GeForce4 440</a>               | 4                                       | 2065                      | NA                                    | NA             |
| <a href="#">GeForce4 MX 4000</a>           | 4                                       | 2085                      | NA                                    | NA             |
| <a href="#">GeForce4 MX 420</a>            | 4                                       | 2072                      | NA                                    | NA             |
| Videocard Name                             | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
| <a href="#">GeForce4 MX 440</a>            | 4                                       | 2082                      | NA                                    | NA             |
| <a href="#">GeForce4 MX 440 with AGP8X</a> | 4                                       | 2069                      | NA                                    | NA             |
| <a href="#">GeForce4 MX 440SE</a>          | 4                                       | 2081                      | NA                                    | NA             |

### Software

[BurnInTest](#)[PerformanceTest](#)[OSForensics](#)[MemTest86](#)[WirelessMon](#)[Zoom Search Engine](#)[Free Software](#)

### Benchmarks

[CPU Benchmarks](#)[Video Card Benchmarks](#)[Hard Drive Benchmarks](#)[RAM Benchmarks](#)[PC Systems Benchmarks](#)[Android Benchmarks](#)[iOS / iPhone Benchmarks](#)

### Services

[Store](#)[Support](#)[Forums](#)

### Hardware

[USB3.0 Loopback Plugs](#)[USB2.0 Loopback Plugs](#)[PCIe Test Cards](#)[USB Power Delivery Tester](#)[Serial and Parallel Loopback Plugs](#)[USB Short Circuit Testers](#)

### About Us

[Company](#)[Contact Us](#)[The Press Room](#)

### International

[Disclaimer](#)[Refunds](#)[Privacy](#)[Social](#)

Copyright © 2021 PassMark® Software

