



[Home](#)
[Software](#)
[Hardware](#)
[Benchmarks](#)
[Services](#)
[Store](#)
[Support](#)
[Forums](#)
[About Us](#)

[Home](#) » [Video Card Benchmarks](#) » Video Card List

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

# Videocard Benchmarks

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## Video Card List

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| 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="#">TITAN RTX</a>                          | 18916                                   | 1                         | <a href="#">7.57</a>                  | <a href="#">\$2,499.99</a>  |
| <a href="#">GeForce RTX 2080 Ti</a>                | 17099                                   | 2                         | <a href="#">13.90</a>                 | <a href="#">\$1,229.99</a>  |
| <a href="#">TITAN V CEO Edition</a>                | 16987                                   | 3                         | NA                                    | NA                          |
| <a href="#">GeForce RTX 2080</a>                   | 15690                                   | 4                         | <a href="#">22.42</a>                 | <a href="#">\$699.99</a>    |
| <a href="#">TITAN V</a>                            | 14986                                   | 5                         | <a href="#">6.27</a>                  | <a href="#">\$2,389.00</a>  |
| <a href="#">TITAN Xp COLLECTORS EDITION</a>        | 14876                                   | 6                         | NA                                    | NA                          |
| <a href="#">GeForce RTX 2070</a>                   | 14481                                   | 7                         | <a href="#">29.55</a>                 | <a href="#">\$489.99</a>    |
| <a href="#">NVIDIA TITAN Xp</a>                    | 14341                                   | 8                         | <a href="#">7.17</a>                  | <a href="#">\$1,999.00*</a> |
| <a href="#">GeForce GTX 1080 Ti</a>                | 14240                                   | 9                         | <a href="#">18.26</a>                 | <a href="#">\$779.89*</a>   |
| <a href="#">Quadro RTX 6000</a>                    | 14008                                   | 10                        | <a href="#">2.22</a>                  | <a href="#">\$6,300.00*</a> |
| <a href="#">Radeon VII</a>                         | 13912                                   | 11                        | <a href="#">19.87</a>                 | <a href="#">\$699.99</a>    |
| <a href="#">NVIDIA TITAN X</a>                     | 13646                                   | 12                        | <a href="#">11.37</a>                 | <a href="#">\$1,200.00*</a> |
| <a href="#">Quadro P6000</a>                       | 13441                                   | 13                        | <a href="#">3.56</a>                  | <a href="#">\$3,778.00</a>  |
| <a href="#">GeForce RTX 2060</a>                   | 13214                                   | 14                        | <a href="#">37.76</a>                 | <a href="#">\$349.99</a>    |
| <a href="#">GeForce RTX 2080 with Max-Q Design</a> | 12857                                   | 15                        | NA                                    | NA                          |
| <a href="#">Quadro GP100</a>                       | 12843                                   | 16                        | NA                                    | NA                          |
| <a href="#">Quadro GV100</a>                       | 12699                                   | 17                        | NA                                    | NA                          |
| <a href="#">Quadro RTX 5000</a>                    | 12556                                   | 18                        | NA                                    | NA                          |
| <a href="#">Quadro RTX 8000</a>                    | 12517                                   | 19                        | NA                                    | NA                          |
| <a href="#">GeForce GTX 1080</a>                   | 12420                                   | 20                        | <a href="#">21.79</a>                 | <a href="#">\$569.99*</a>   |
| <a href="#">GeForce GTX 1070 Ti</a>                | 12339                                   | 21                        | <a href="#">23.73</a>                 | <a href="#">\$519.99</a>    |
| <a href="#">Quadro RTX 4000</a>                    | 12275                                   | 22                        | NA                                    | NA                          |
| <a href="#">Radeon Pro Vega 56</a>                 | 11917                                   | 23                        | NA                                    | NA                          |
| <a href="#">Radeon RX Vega 64</a>                  | 11877                                   | 24                        | <a href="#">23.76</a>                 | <a href="#">\$499.99</a>    |
| <a href="#">GeForce GTX 1660</a>                   | 11737                                   | 25                        | <a href="#">53.36</a>                 | <a href="#">\$219.99</a>    |

| Videocard Name                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon RX Vega 56                  | 11732                                | 26                     | 36.67                              | \$319.99    |
| GeForce RTX 2070 with Max-Q Design | 11542                                | 27                     | NA                                 | NA          |
| Radeon Pro Vega 64                 | 11455                                | 28                     | NA                                 | NA          |
| GeForce GTX 1660 Ti                | 11429                                | 29                     | 40.82                              | \$279.99    |
| GeForce GTX 980 Ti                 | 11379                                | 30                     | 21.40                              | \$531.82*   |
| GeForce GTX 1070                   | 11328                                | 31                     | 24.10                              | \$469.99    |
| Radeon Vega Frontier Edition       | 10962                                | 32                     | 18.27                              | \$599.99*   |
| Radeon PRO WX 8200                 | 10785                                | 33                     | 10.80                              | \$999.00    |
| GeForce GTX TITAN X                | 10694                                | 34                     | 5.35                               | \$1,999.99* |
| Quadro P4200 with Max-Q Design     | 10633                                | 35                     | NA                                 | NA          |
| Radeon Pro WX 9100                 | 10555                                | 36                     | NA                                 | NA          |
| Radeon Pro SSG                     | 10535                                | 37                     | NA                                 | NA          |
| Quadro P5200 with Max-Q Design     | 10489                                | 38                     | NA                                 | NA          |
| Quadro P4000                       | 10447                                | 39                     | 14.18                              | \$736.51    |
| Quadro P4200                       | 10312                                | 40                     | NA                                 | NA          |
| Quadro P5000                       | 10271                                | 41                     | 5.92                               | \$1,734.99  |
| GeForce GTX 1080 with Max-Q Design | 10240                                | 42                     | NA                                 | NA          |
| Quadro M6000 24GB                  | 9981                                 | 43                     | NA                                 | NA          |
| GeForce GTX 980                    | 9636                                 | 44                     | 14.79                              | \$651.46    |
| Radeon Pro Duo                     | 9446                                 | 45                     | 21.04                              | \$449.00*   |
| GeForce GTX 1070 with Max-Q Design | 9437                                 | 46                     | NA                                 | NA          |
| Radeon RX 590                      | 9403                                 | 47                     | 42.75                              | \$219.99    |
| Quadro M6000                       | 9385                                 | 48                     | 3.29                               | \$2,850.00  |
| Quadro P5200                       | 9333                                 | 49                     | NA                                 | NA          |
| Quadro M5500                       | 9322                                 | 50                     | NA                                 | NA          |
| Videocard Name                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Radeon R9 Fury                     | 9186                                 | 51                     | 22.97                              | \$399.99*   |
| GeForce GTX 1060                   | 9088                                 | 52                     | 30.30                              | \$299.99    |
| Quadro P4000 with Max-Q Design     | 9082                                 | 53                     | NA                                 | NA          |
| GeForce GTX 1060 3GB               | 8967                                 | 54                     | 48.48                              | \$184.99    |
| GeForce GTX 780 Ti                 | 8890                                 | 55                     | 11.01                              | \$807.42    |
| GeForce GTX 970                    | 8622                                 | 56                     | 26.13                              | \$329.99*   |
| GeForce GTX TITAN Black            | 8622                                 | 57                     | 8.62                               | \$999.99*   |
| Radeon R9 390X                     | 8526                                 | 58                     | NA                                 | NA          |
| Quadro M5000                       | 8459                                 | 59                     | 5.73                               | \$1,477.00* |
| Radeon RX 580                      | 8452                                 | 60                     | 44.96                              | \$187.99    |
| Radeon R9 Fury + Fury X            | 8447                                 | 61                     | 21.12                              | \$399.99*   |
| Quadro P3200 with Max-Q Design     | 8312                                 | 62                     | NA                                 | NA          |
| Quadro P3200                       | 8212                                 | 63                     | NA                                 | NA          |
| Radeon RX 480                      | 8122                                 | 64                     | 48.06                              | \$169.00    |
| Radeon R9 390                      | 8089                                 | 65                     | NA                                 | NA          |
| GeForce GTX 780                    | 7959                                 | 66                     | 10.74                              | \$740.99*   |
| GeForce GTX Titan                  | 7939                                 | 67                     | 3.86                               | \$2,054.59* |
| Radeon Pro WX 7100                 | 7931                                 | 68                     | 15.86                              | \$499.99    |
| GeForce GTX 1060 with Max-Q Design | 7808                                 | 69                     | NA                                 | NA          |
| Radeon RX 580X                     | 7798                                 | 70                     | NA                                 | NA          |
| Radeon R9 295X2                    | 7758                                 | 71                     | 7.05                               | \$1,099.99* |
| Radeon Pro 580                     | 7753                                 | 72                     | NA                                 | NA          |
| Tesla M60                          | 7701                                 | 73                     | NA                                 | NA          |

| Videocard Name                        | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|---------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| GeForce GTX TITAN Z                   | 7690                                 | 74                     | 4.87                               | \$1,580.00* |
| Quadro K6000                          | 7617                                 | 75                     | 7.94                               | \$959.00*   |
| Radeon RX 470                         | 7591                                 | 76                     | 63.27                              | \$119.99*   |
| Radeon R9 290X / 390X                 | 7432                                 | 77                     | 13.04                              | \$570.00    |
| Quadro P2000                          | 7371                                 | 78                     | 17.14                              | \$429.99    |
| FirePro W9100                         | 7189                                 | 79                     | 2.61                               | \$2,749.99* |
| Radeon R9 290 / 390                   | 7137                                 | 80                     | 14.30                              | \$499.00    |
| Radeon RX Vega M GH                   | 6991                                 | 81                     | NA                                 | NA          |
| Radeon RX 570                         | 6847                                 | 82                     | 52.67                              | \$129.99    |
| Quadro M4000                          | 6658                                 | 83                     | 9.65                               | \$689.98    |
| Radeon Pro Vega 20                    | 6311                                 | 84                     | NA                                 | NA          |
| Radeon R9 380X                        | 6208                                 | 85                     | 13.95                              | \$445.00    |
| Radeon R9 380                         | 6134                                 | 86                     | 23.15                              | \$264.99*   |
| Quadro K5200                          | 6096                                 | 87                     | 7.63                               | \$799.00    |
| GeForce GTX 770                       | 6070                                 | 88                     | 13.49                              | \$449.99*   |
| FirePro W8100                         | 6066                                 | 89                     | 5.28                               | \$1,149.00  |
| GeForce GTX 1050 Ti                   | 6004                                 | 90                     | 38.74                              | \$154.99    |
| GeForce GTX 980M                      | 5929                                 | 91                     | NA                                 | NA          |
| GRID M60-2Q                           | 5904                                 | 92                     | NA                                 | NA          |
| GeForce GTX 1060 5GB                  | 5856                                 | 93                     | NA                                 | NA          |
| Radeon R9 280X                        | 5840                                 | 94                     | NA                                 | NA          |
| GeForce GTX 960                       | 5815                                 | 95                     | 21.31                              | \$272.88    |
| Radeon R9 M395X                       | 5757                                 | 96                     | NA                                 | NA          |
| GeForce GTX 1050 Ti with Max-Q Design | 5713                                 | 97                     | NA                                 | NA          |
| Quadro P3000                          | 5677                                 | 98                     | NA                                 | NA          |
| GeForce GTX 680                       | 5670                                 | 99                     | 9.78                               | \$579.99*   |
| Videocard Name                        | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| FirePro W7100 Adapter                 | 5661                                 | 100                    | NA                                 | NA          |
| Radeon Pro WX 5100                    | 5618                                 | 101                    | 17.03                              | \$329.99    |
| Quadro M5000M                         | 5557                                 | 102                    | NA                                 | NA          |
| Radeon R9 285 / 380                   | 5554                                 | 103                    | 17.92                              | \$310.00    |
| Radeon HD 7990                        | 5544                                 | 104                    | 4.92                               | \$1,126.99* |
| FirePro W7100                         | 5407                                 | 105                    | 18.65                              | \$289.99    |
| GeForce GTX 690                       | 5390                                 | 106                    | 5.40                               | \$999.00*   |
| Radeon R9 280                         | 5376                                 | 107                    | NA                                 | NA          |
| GeForce GTX 670                       | 5366                                 | 108                    | 11.30                              | \$474.99*   |
| FirePro W9000                         | 5304                                 | 109                    | 1.54                               | \$3,443.99* |
| Radeon HD 7970 / R9 280X              | 5247                                 | 110                    | 15.21                              | \$345.00    |
| GeForce GTX 950                       | 5227                                 | 111                    | 26.88                              | \$194.44*   |
| Radeon R9 M295X                       | 5150                                 | 112                    | NA                                 | NA          |
| Radeon RX Vega M GL                   | 5141                                 | 113                    | NA                                 | NA          |
| GeForce GTX 760 Ti                    | 5118                                 | 114                    | 17.21                              | \$297.50*   |
| Quadro P2000 with Max-Q Design        | 5087                                 | 115                    | NA                                 | NA          |
| FirePro S9000                         | 5022                                 | 116                    | NA                                 | NA          |
| Radeon R9 M395                        | 5022                                 | 117                    | NA                                 | NA          |
| GeForce GTX 580                       | 5019                                 | 118                    | 17.32                              | \$289.88*   |
| Radeon HD 8990                        | 4999                                 | 119                    | NA                                 | NA          |
| GeForce GTX 760                       | 4937                                 | 120                    | 19.75                              | \$249.99*   |
| Radeon HD 7950 / R9 280               | 4764                                 | 121                    | 12.09                              | \$393.98    |

| Videocard Name                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| FirePro W8000 Adapter              | 4751                                 | 122                    | NA                                 | NA          |
| Radeon R9 370                      | 4722                                 | 123                    | NA                                 | NA          |
| Radeon R9 270X                     | 4691                                 | 124                    | 15.69                              | \$299.00    |
| GRID M60-1Q                        | 4680                                 | 125                    | NA                                 | NA          |
| GeForce GTX 1050                   | 4676                                 | 126                    | 33.40                              | \$139.99    |
| GeForce GTX 660 Ti                 | 4662                                 | 127                    | 16.65                              | \$279.99*   |
| FirePro W7170M                     | 4643                                 | 128                    | NA                                 | NA          |
| Radeon R7 370                      | 4640                                 | 129                    | NA                                 | NA          |
| FirePro W8000                      | 4592                                 | 130                    | 4.38                               | \$1,048.99* |
| Quadro M4000M                      | 4592                                 | 131                    | NA                                 | NA          |
| Quadro M3000M                      | 4496                                 | 132                    | NA                                 | NA          |
| Radeon HD 7870 XT                  | 4469                                 | 133                    | NA                                 | NA          |
| Quadro K4200                       | 4468                                 | 134                    | 13.96                              | \$319.99    |
| GRID P6-4Q                         | 4429                                 | 135                    | NA                                 | NA          |
| GeForce GTX 570                    | 4415                                 | 136                    | 44.16                              | \$99.99*    |
| Radeon RX 560                      | 4389                                 | 137                    | 43.90                              | \$99.99     |
| GRID K520                          | 4384                                 | 138                    | NA                                 | NA          |
| Quadro P1000                       | 4378                                 | 139                    | 14.32                              | \$305.83    |
| Radeon HD 7870                     | 4376                                 | 140                    | 36.47                              | \$119.99    |
| GeForce GTX 480                    | 4361                                 | 141                    | 60.59                              | \$71.99*    |
| Radeon R9 M390X                    | 4356                                 | 142                    | NA                                 | NA          |
| Radeon RX 460                      | 4331                                 | 143                    | 12.03                              | \$360.10    |
| Barco MXRT 7500                    | 4319                                 | 144                    | NA                                 | NA          |
| FirePro W7000                      | 4311                                 | 145                    | 7.56                               | \$569.99*   |
| Quadro M2000                       | 4291                                 | 146                    | 8.94                               | \$479.99*   |
| GeForce GTX 680MX                  | 4274                                 | 147                    | NA                                 | NA          |
| Radeon R9 270 / R7 370             | 4260                                 | 148                    | 26.46                              | \$161.03    |
| Videocard Name                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| GeForce GTX 590                    | 4216                                 | 149                    | 22.92                              | \$184.00*   |
| GeForce GTX 970M                   | 4174                                 | 150                    | 2.20                               | \$1,899.00* |
| FirePro S7000                      | 4166                                 | 152                    | NA                                 | NA          |
| GeForce GTX 775M                   | 4166                                 | 151                    | NA                                 | NA          |
| GeForce GTX 660                    | 4129                                 | 153                    | 14.49                              | \$284.99*   |
| FirePro W7000 Adapter              | 4084                                 | 154                    | NA                                 | NA          |
| GeForce GTX 780M                   | 4016                                 | 155                    | NA                                 | NA          |
| Quadro K5000                       | 4012                                 | 156                    | 12.58                              | \$318.99    |
| Radeon R9 M290X                    | 4003                                 | 157                    | NA                                 | NA          |
| GeForce GTX 1050 with Max-Q Design | 3986                                 | 158                    | NA                                 | NA          |
| Radeon Pro WX 4100                 | 3960                                 | 159                    | 17.22                              | \$229.99    |
| Radeon Pro WX4100                  | 3953                                 | 160                    | NA                                 | NA          |
| GRID M60-8Q                        | 3883                                 | 161                    | NA                                 | NA          |
| Radeon HD 8970M                    | 3876                                 | 162                    | NA                                 | NA          |
| Radeon HD 7850                     | 3843                                 | 163                    | 8.55                               | \$449.59    |
| Radeon HD 7970M                    | 3813                                 | 164                    | NA                                 | NA          |
| GRID K2                            | 3772                                 | 165                    | 4.20                               | \$899.00    |
| GeForce GTX 750 Ti                 | 3750                                 | 166                    | 12.54                              | \$299.01*   |
| GeForce GTX 880M                   | 3700                                 | 167                    | NA                                 | NA          |
| Radeon Pro 560X                    | 3687                                 | 168                    | NA                                 | NA          |
| GeForce GTX 470                    | 3601                                 | 169                    | 6.90                               | \$522.01*   |

| Videocard Name           | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Quadro K2200             | 3580                                 | 170                    | 10.53                              | \$339.99    |
| Quadro P620              | 3564                                 | 171                    | 20.37                              | \$174.99    |
| Radeon R9 M470X          | 3563                                 | 172                    | NA                                 | NA          |
| RX 560X                  | 3553                                 | 173                    | NA                                 | NA          |
| Device                   | 3545                                 | 174                    | NA                                 | NA          |
| GeForce GTX 650 Ti BOOST | 3535                                 | 175                    | NA                                 | NA          |
| GeForce GTX 560 Ti       | 3529                                 | 176                    | 25.58                              | \$138.00*   |
| Quadro 6000              | 3522                                 | 177                    | 10.39                              | \$338.99    |
| Radeon HD 6970           | 3521                                 | 178                    | 37.07                              | \$94.99*    |
| Tesla C2050              | 3515                                 | 179                    | NA                                 | NA          |
| Quadro M2200             | 3503                                 | 180                    | NA                                 | NA          |
| GRID M60-4Q              | 3498                                 | 181                    | NA                                 | NA          |
| Radeon Pro 560           | 3475                                 | 182                    | NA                                 | NA          |
| Radeon Pro 460           | 3452                                 | 183                    | NA                                 | NA          |
| Radeon RX 550            | 3442                                 | 184                    | 37.02                              | \$92.99     |
| Tesla C2050 / C2070      | 3428                                 | 185                    | NA                                 | NA          |
| Radeon HD8970M           | 3368                                 | 186                    | NA                                 | NA          |
| Tesla C2075              | 3364                                 | 187                    | 1.48                               | \$2,269.99* |
| Radeon Pro WX 3100       | 3354                                 | 188                    | NA                                 | NA          |
| GeForce GTX 680M         | 3345                                 | 189                    | 6.69                               | \$499.99*   |
| GeForce GTX 750          | 3317                                 | 190                    | 21.97                              | \$150.99*   |
| Radeon R7 360            | 3309                                 | 191                    | 22.57                              | \$146.65*   |
| Radeon HD 6950           | 3215                                 | 192                    | 35.74                              | \$89.99*    |
| Radeon Pro WX 4150       | 3208                                 | 193                    | NA                                 | NA          |
| GeForce GTX 965M         | 3207                                 | 194                    | NA                                 | NA          |
| Tesla C2070              | 3178                                 | 195                    | NA                                 | NA          |
| Radeon R7 260X           | 3169                                 | 196                    | 14.41                              | \$220.00    |
| FirePro V7000 Adapter    | 3161                                 | 197                    | NA                                 | NA          |
| Videocard Name           | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Radeon Pro 555           | 3140                                 | 198                    | NA                                 | NA          |
| Quadro P600              | 3123                                 | 199                    | 18.37                              | \$169.99    |
| GeForce GTX 560          | 3118                                 | 200                    | 8.82                               | \$353.59*   |
| Radeon Pro 455           | 3112                                 | 201                    | NA                                 | NA          |
| Quadro K5100M            | 3111                                 | 202                    | 10.73                              | \$289.99    |
| Radeon R9 M380           | 3101                                 | 203                    | NA                                 | NA          |
| FirePro W5000            | 3084                                 | 204                    | 7.11                               | \$434.00*   |
| Radeon HD 7790           | 3080                                 | 205                    | 22.82                              | \$134.99*   |
| Radeon HD 8950           | 3068                                 | 206                    | NA                                 | NA          |
| Quadro M1200             | 3035                                 | 207                    | NA                                 | NA          |
| Radeon R9 360            | 3031                                 | 208                    | 5.84                               | \$519.00*   |
| Quadro K1200             | 3029                                 | 209                    | 12.62                              | \$239.99    |
| Radeon R9 260            | 3018                                 | 210                    | NA                                 | NA          |
| FirePro W5100            | 3010                                 | 211                    | 10.79                              | \$279.13*   |
| FirePro M6100            | 2987                                 | 212                    | NA                                 | NA          |
| GeForce GTX 465          | 2947                                 | 213                    | 11.19                              | \$263.28*   |
| GRID K260Q               | 2940                                 | 214                    | NA                                 | NA          |
| FirePro W4300            | 2921                                 | 215                    | 12.17                              | \$239.99*   |
| Radeon R7 260            | 2891                                 | 216                    | 32.13                              | \$89.99*    |
| Quadro K4000             | 2881                                 | 217                    | 15.17                              | \$189.99    |

| Videocard Name        | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|-----------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Quadro M2000M         | 2873                                 | 218                    | 10.26                              | \$279.95*   |
| Radeon Pro WX 4130    | 2865                                 | 219                    | NA                                 | NA          |
| Radeon HD 6990        | 2858                                 | 220                    | 17.87                              | \$159.99*   |
| Quadro 5000           | 2854                                 | 221                    | 11.90                              | \$239.98    |
| FirePro 3D V9800      | 2811                                 | 222                    | 1.13                               | \$2,499.00* |
| Quadro M620           | 2788                                 | 223                    | NA                                 | NA          |
| FirePro V9800 Adapter | 2761                                 | 224                    | NA                                 | NA          |
| Radeon Pro 450        | 2722                                 | 225                    | NA                                 | NA          |
| FirePro V7900         | 2717                                 | 226                    | 22.65                              | \$119.99*   |
| Quadro K2200M         | 2668                                 | 227                    | NA                                 | NA          |
| GeForce GTX 650 Ti    | 2659                                 | 228                    | 15.65                              | \$169.99*   |
| GeForce GTX 460       | 2654                                 | 229                    | 29.49                              | \$89.99*    |
| GeForce GTX 770M      | 2652                                 | 230                    | 14.90                              | \$177.99*   |
| Radeon HD 5870        | 2619                                 | 231                    | 26.20                              | \$99.99*    |
| Radeon HD 6870        | 2612                                 | 232                    | 29.03                              | \$89.99*    |
| Quadro K5000M         | 2602                                 | 233                    | 6.69                               | \$389.25*   |
| Radeon HD 5970        | 2596                                 | 234                    | 7.87                               | \$329.99*   |
| Quadro K4100M         | 2573                                 | 235                    | 6.77                               | \$379.99*   |
| GeForce GTX 460 v2    | 2491                                 | 236                    | 12.46                              | \$199.99*   |
| FirePro 3D V8800      | 2473                                 | 237                    | 5.82                               | \$424.99*   |
| Radeon R9 M470        | 2435                                 | 238                    | NA                                 | NA          |
| GeForce GTX 675MX     | 2428                                 | 239                    | NA                                 | NA          |
| GeForce GTX 870M      | 2423                                 | 240                    | NA                                 | NA          |
| Radeon RX 540         | 2407                                 | 241                    | NA                                 | NA          |
| GeForce GTX 485M      | 2400                                 | 242                    | NA                                 | NA          |
| GeForce GTX 960A      | 2358                                 | 243                    | NA                                 | NA          |
| Quadro M1000M         | 2350                                 | 244                    | 11.06                              | \$212.42    |
| Quadro K620           | 2329                                 | 245                    | 13.86                              | \$168.02    |
| GRID K280Q            | 2322                                 | 246                    | NA                                 | NA          |
| Videocard Name        | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| GeForce GTX 960M      | 2313                                 | 247                    | NA                                 | NA          |
| Radeon HD 6850        | 2289                                 | 248                    | 22.89                              | \$99.99*    |
| Radeon HD 5850        | 2280                                 | 249                    | 28.52                              | \$79.99*    |
| GeForce GTX 580M      | 2279                                 | 250                    | NA                                 | NA          |
| Radeon RX Vega 11     | 2272                                 | 251                    | NA                                 | NA          |
| Radeon HD 6970M       | 2270                                 | 252                    | NA                                 | NA          |
| Radeon R7 250X        | 2268                                 | 253                    | 8.70                               | \$260.70    |
| GeForce GTX 460 SE    | 2257                                 | 254                    | 14.11                              | \$159.99*   |
| GeForce GT 645        | 2250                                 | 255                    | NA                                 | NA          |
| Radeon Pro WX 2100    | 2240                                 | 256                    | NA                                 | NA          |
| Radeon R9 350         | 2238                                 | 257                    | 40.73                              | \$54.95     |
| Quadro K4000M         | 2228                                 | 258                    | NA                                 | NA          |
| Radeon HD 7770        | 2220                                 | 259                    | 18.51                              | \$119.99    |
| Firepro W5170M        | 2217                                 | 260                    | NA                                 | NA          |
| GeForce GT 1030       | 2212                                 | 261                    | 26.03                              | \$84.99     |
| Radeon R7 450         | 2195                                 | 262                    | 2.20                               | \$999.11*   |
| GeForce GTX 560 SE    | 2193                                 | 263                    | 24.38                              | \$89.99*    |
| RadeonT R7 450        | 2185                                 | 264                    | NA                                 | NA          |
| GeForce GTX 745       | 2184                                 | 265                    | NA                                 | NA          |

| Videocard Name                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| GeForce MX150                      | 2165                                 | 266                    | NA                                 | NA          |
| GeForce GTX 555                    | 2159                                 | 267                    | NA                                 | NA          |
| Radeon TM R9 A360                  | 2148                                 | 268                    | NA                                 | NA          |
| GeForce GTX 675M                   | 2147                                 | 269                    | NA                                 | NA          |
| GRID K240Q                         | 2143                                 | 270                    | NA                                 | NA          |
| Intel Iris Pro P580                | 2108                                 | 271                    | NA                                 | NA          |
| FirePro M5100                      | 2102                                 | 272                    | NA                                 | NA          |
| Radeon R9 M375X                    | 2080                                 | 273                    | NA                                 | NA          |
| GeForce GTX 670MX                  | 2076                                 | 274                    | NA                                 | NA          |
| Quadro 5000M                       | 2059                                 | 275                    | NA                                 | NA          |
| Radeon R7 M465X                    | 2057                                 | 276                    | NA                                 | NA          |
| Radeon HD 5830                     | 2054                                 | 277                    | 12.84                              | \$159.99*   |
| Quadro K3100M                      | 2051                                 | 278                    | 1.03                               | \$1,999.00* |
| Quadro 4000                        | 2048                                 | 279                    | 13.22                              | \$154.99    |
| Radeon HD 6790                     | 2046                                 | 280                    | 31.48                              | \$64.99*    |
| GeForce GTX 480M                   | 2039                                 | 281                    | NA                                 | NA          |
| Radeon R9 M360                     | 2038                                 | 282                    | NA                                 | NA          |
| GeForce GTX 570M                   | 2024                                 | 283                    | NA                                 | NA          |
| Embedded Radeon E9173              | 1996                                 | 284                    | NA                                 | NA          |
| Radeon R7 + R7 350 Dual            | 1982                                 | 285                    | NA                                 | NA          |
| Matrox C680 PCIe x16               | 1977                                 | 286                    | NA                                 | NA          |
| Radeon R7 + HD 7700 Dual           | 1962                                 | 287                    | NA                                 | NA          |
| Radeon HD 6900M                    | 1959                                 | 288                    | NA                                 | NA          |
| Radeon HD 7660D + HD 7700 Dual     | 1958                                 | 289                    | NA                                 | NA          |
| Intel Iris Plus 655                | 1955                                 | 290                    | NA                                 | NA          |
| GeForce GTX 470M                   | 1949                                 | 291                    | NA                                 | NA          |
| GeForce GTX 670M                   | 1942                                 | 292                    | NA                                 | NA          |
| GeForce GTX 645                    | 1931                                 | 294                    | NA                                 | NA          |
| Radeon R9 M370X                    | 1931                                 | 293                    | NA                                 | NA          |
| GeForce MX130                      | 1926                                 | 295                    | NA                                 | NA          |
| Videocard Name                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| GeForce GTX 550 Ti                 | 1923                                 | 296                    | 6.69                               | \$287.59*   |
| GeForce GTX 860M                   | 1922                                 | 297                    | NA                                 | NA          |
| Quadro M600M                       | 1908                                 | 298                    | 18.53                              | \$102.99    |
| GeForce GTX 765M                   | 1884                                 | 299                    | NA                                 | NA          |
| GeForce GTX 950M                   | 1884                                 | 300                    | NA                                 | NA          |
| Intel Iris Pro 580                 | 1867                                 | 301                    | NA                                 | NA          |
| GeForce GTX 650                    | 1834                                 | 303                    | 12.67                              | \$144.81*   |
| Radeon HD 8570D + HD 7700 Dual     | 1834                                 | 302                    | NA                                 | NA          |
| MxGPU                              | 1826                                 | 304                    | NA                                 | NA          |
| Quadro 5010M                       | 1824                                 | 305                    | 7.73                               | \$235.95*   |
| Matrox C900 PCIe x16               | 1812                                 | 306                    | NA                                 | NA          |
| FirePro 3D V7800                   | 1809                                 | 307                    | 3.02                               | \$599.99*   |
| Radeon R9 255                      | 1805                                 | 308                    | 5.25                               | \$344.00    |
| Radeon R7 FX-9830P RADEON          | 1803                                 | 309                    | NA                                 | NA          |
| Quadro 4000M                       | 1801                                 | 310                    | 16.09                              | \$111.99*   |
| Radeon HD 8870M / R9 M270X / M370X | 1799                                 | 311                    | NA                                 | NA          |
| Radeon HD 8670D + 7700 Dual        | 1788                                 | 312                    | NA                                 | NA          |
| Radeon RX Vega 8                   | 1759                                 | 313                    | NA                                 | NA          |



| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|----------------------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Quadro K3000M                                      | 1757                                 | 314                    | 11.34                              | \$155.00*   |
| Radeon Vega 8                                      | 1757                                 | 315                    | NA                                 | NA          |
| FirePro W600                                       | 1734                                 | 316                    | 5.42                               | \$319.99*   |
| Quadro K2000                                       | 1722                                 | 317                    | 10.32                              | \$166.99    |
| FirePro M6000 Mobility Pro                         | 1711                                 | 318                    | NA                                 | NA          |
| Radeon HD 5770                                     | 1709                                 | 319                    | 14.74                              | \$115.99*   |
| Radeon HD 7750                                     | 1705                                 | 320                    | 9.53                               | \$179.00    |
| FirePro M4000 Mobility Pro                         | 1702                                 | 321                    | NA                                 | NA          |
| Radeon HD 6770                                     | 1682                                 | 322                    | 21.86                              | \$76.99*    |
| Quadro K2000D                                      | 1674                                 | 323                    | 3.52                               | \$475.00    |
| FirePro W4100 Adapter                              | 1663                                 | 324                    | NA                                 | NA          |
| GeForce GTX 950A                                   | 1654                                 | 325                    | NA                                 | NA          |
| DameWare Development Mirror Driver 64-bit          | 1653                                 | 326                    | NA                                 | NA          |
| Radeon Vega 6                                      | 1645                                 | 327                    | 0.55                               | \$2,997.99  |
| Radeon HD 8870M                                    | 1638                                 | 328                    | NA                                 | NA          |
| Radeon Vega 8 Mobile                               | 1637                                 | 329                    | NA                                 | NA          |
| FirePro W5130M                                     | 1628                                 | 330                    | NA                                 | NA          |
| Radeon Vega 10 Mobile                              | 1628                                 | 331                    | NA                                 | NA          |
| Radeon 540                                         | 1621                                 | 332                    | NA                                 | NA          |
| Ryzen 7 2700U with Radeon Vega                     | 1617                                 | 333                    | NA                                 | NA          |
| FirePro M4000                                      | 1612                                 | 334                    | NA                                 | NA          |
| Quadro P500                                        | 1612                                 | 335                    | NA                                 | NA          |
| GeForce GTX 850M                                   | 1609                                 | 336                    | NA                                 | NA          |
| Intel Iris 550                                     | 1606                                 | 337                    | NA                                 | NA          |
| GeForce GT 755M                                    | 1598                                 | 338                    | NA                                 | NA          |
| FirePro W4100                                      | 1593                                 | 339                    | 9.96                               | \$159.99*   |
| GeForce MX110                                      | 1585                                 | 340                    | NA                                 | NA          |
| 15DD                                               | 1580                                 | 341                    | NA                                 | NA          |
| Radeon E8860                                       | 1577                                 | 342                    | NA                                 | NA          |
| GeForce GT 740                                     | 1571                                 | 343                    | 16.54                              | \$94.99*    |
| Quadro M520                                        | 1559                                 | 344                    | NA                                 | NA          |
| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| GeForce GTS 450                                    | 1556                                 | 345                    | 23.96                              | \$64.99*    |
| Intel Iris Plus 650                                | 1555                                 | 346                    | NA                                 | NA          |
| GeForce GTX 560M                                   | 1546                                 | 347                    | NA                                 | NA          |
| Radeon HD 8470D + HD 7500 Dual                     | 1545                                 | 348                    | NA                                 | NA          |
| Radeon HD 4890                                     | 1541                                 | 349                    | 14.02                              | \$109.99*   |
| Intel Iris Pro Graphics 6200                       | 1532                                 | 350                    | NA                                 | NA          |
| FirePro V5900                                      | 1526                                 | 351                    | 4.77                               | \$319.99*   |
| Radeon R9 M275X / M375                             | 1511                                 | 352                    | NA                                 | NA          |
| Radeon HD 7870M                                    | 1507                                 | 353                    | NA                                 | NA          |
| Ryzen 5 2500U with Radeon Vega                     | 1503                                 | 354                    | NA                                 | NA          |
| Radeon HD 7660D + HD 6670 Dual                     | 1484                                 | 355                    | NA                                 | NA          |
| FirePro 3D V5800                                   | 1474                                 | 356                    | 3.99                               | \$369.99*   |
| Quadro P400                                        | 1472                                 | 357                    | 12.59                              | \$116.98    |
| Radeon R5 A10-9630P RADEON R5, 10 COMPUTE CORES 4C | 1463                                 | 358                    | NA                                 | NA          |
| Quadro 3000M                                       | 1462                                 | 359                    | 18.99                              | \$76.99*    |
| Radeon HD 5750                                     | 1448                                 | 360                    | 20.86                              | \$69.41*    |



| Videocard Name                 | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| GeForce GTX 660M               | 1439                                 | 361                    | NA                                 | NA          |
| GeForce GTX 760M               | 1435                                 | 362                    | NA                                 | NA          |
| GeForce 945M                   | 1434                                 | 363                    | NA                                 | NA          |
| Radeon HD 7730                 | 1432                                 | 364                    | 28.66                              | \$49.99*    |
| Radeon HD 7560D + 7670 Dual    | 1426                                 | 365                    | NA                                 | NA          |
| Intel Iris Plus 640            | 1417                                 | 368                    | NA                                 | NA          |
| Radeon R7 430                  | 1417                                 | 367                    | 9.45                               | \$149.99    |
| Radeon R9 M270X                | 1417                                 | 366                    | NA                                 | NA          |
| Radeon R7 M370                 | 1410                                 | 369                    | NA                                 | NA          |
| Radeon R7 250                  | 1407                                 | 370                    | 17.96                              | \$78.34     |
| GeForce GTX 460M               | 1393                                 | 371                    | NA                                 | NA          |
| Radeon HD 4870                 | 1381                                 | 372                    | 23.03                              | \$59.99*    |
| FirePro W4170M                 | 1380                                 | 373                    | NA                                 | NA          |
| Radeon R7 PRO A12-8870         | 1375                                 | 374                    | NA                                 | NA          |
| Radeon HD 7850M                | 1372                                 | 375                    | NA                                 | NA          |
| Radeon R7 PRO A10-9700         | 1367                                 | 376                    | NA                                 | NA          |
| FirePro M40003                 | 1364                                 | 377                    | NA                                 | NA          |
| Radeon HD 8670D + 6670 Dual    | 1361                                 | 378                    | NA                                 | NA          |
| GeForce 940MX                  | 1350                                 | 379                    | NA                                 | NA          |
| Radeon HD 7560D + HD 7700 Dual | 1346                                 | 381                    | NA                                 | NA          |
| Radeon R7 PRO A12-9800         | 1346                                 | 380                    | NA                                 | NA          |
| Intel Iris 540                 | 1344                                 | 382                    | NA                                 | NA          |
| FireStream 9270                | 1341                                 | 383                    | NA                                 | NA          |
| Quadro K2100M                  | 1327                                 | 384                    | 8.30                               | \$159.95*   |
| Radeon R7 PRO A10-8770         | 1319                                 | 385                    | NA                                 | NA          |
| Intel HD P630                  | 1318                                 | 386                    | NA                                 | NA          |
| Radeon HD 6750                 | 1317                                 | 387                    | 26.36                              | \$49.99*    |
| Quadro 2000                    | 1316                                 | 388                    | 10.13                              | \$129.99    |
| FirePro M5950                  | 1314                                 | 389                    | NA                                 | NA          |
| Radeon HD 8790M                | 1312                                 | 390                    | NA                                 | NA          |
| Radeon HD 4870 X2              | 1309                                 | 391                    | NA                                 | NA          |
| Radeon R7 M465                 | 1306                                 | 392                    | NA                                 | NA          |
| FirePro V4900                  | 1300                                 | 393                    | 8.97                               | \$144.99*   |
| Videocard Name                 | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Radeon 535                     | 1296                                 | 394                    | NA                                 | NA          |
| GeForce GT 750M                | 1294                                 | 395                    | NA                                 | NA          |
| GeForce GT 545                 | 1293                                 | 396                    | 23.27                              | \$55.59*    |
| Radeon R7 + R7 200 Dual        | 1289                                 | 397                    | NA                                 | NA          |
| Intel UHD                      | 1287                                 | 398                    | NA                                 | NA          |
| Quadro 2000D                   | 1282                                 | 399                    | 15.27                              | \$83.99*    |
| GeForce GTX 760A               | 1281                                 | 400                    | NA                                 | NA          |
| Radeon R7 A370                 | 1281                                 | 401                    | NA                                 | NA          |
| Firepro W4190M                 | 1280                                 | 402                    | NA                                 | NA          |
| GeForce GT 640                 | 1280                                 | 403                    | 21.35                              | \$59.99*    |
| FirePro 3D V8750               | 1271                                 | 404                    | 1.03                               | \$1,230.99* |
| GeForce GTX 285                | 1271                                 | 405                    | 7.06                               | \$179.99*   |
| Radeon R9 M265X                | 1269                                 | 406                    | NA                                 | NA          |
| Radeon HD 8570D + HD 6670 Dual | 1260                                 | 407                    | NA                                 | NA          |
| Radeon R7 M350                 | 1250                                 | 408                    | NA                                 | NA          |

| Videocard Name                                  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|-------------------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Mobility Radeon HD 5870                         | 1245                                 | 409                    | NA                                 | NA          |
| GeForce GTX 275                                 | 1244                                 | 410                    | 10.37                              | \$119.99*   |
| Radeon R7 A12-9800 RADEON                       | 1244                                 | 411                    | NA                                 | NA          |
| Radeon HD 8570D + 6570 Dual                     | 1239                                 | 413                    | NA                                 | NA          |
| Radeon R9 M375                                  | 1239                                 | 412                    | NA                                 | NA          |
| Radeon HD 7660D + 6670 Dual                     | 1238                                 | 414                    | NA                                 | NA          |
| Radeon 530                                      | 1236                                 | 416                    | NA                                 | NA          |
| Radeon HD 8790M / R9 M290X                      | 1236                                 | 415                    | NA                                 | NA          |
| GeForce GT 650M                                 | 1231                                 | 417                    | NA                                 | NA          |
| Radeon HD 8670D + HD 6670 Dual                  | 1221                                 | 418                    | NA                                 | NA          |
| Radeon R7 A10-9700 RADEON                       | 1219                                 | 419                    | NA                                 | NA          |
| GeForce 930MX                                   | 1215                                 | 420                    | NA                                 | NA          |
| GeForce 930A                                    | 1212                                 | 421                    | NA                                 | NA          |
| FirePro 3D V8700                                | 1206                                 | 422                    | 6.03                               | \$199.99*   |
| GeForce GTX 280                                 | 1203                                 | 423                    | 2.30                               | \$522.78*   |
| Intel UHD P630                                  | 1200                                 | 424                    | NA                                 | NA          |
| Intel UHD 630                                   | 1198                                 | 425                    | NA                                 | NA          |
| Radeon HD 7750M                                 | 1191                                 | 426                    | NA                                 | NA          |
| Radeon R7 A12-9800E RADEON                      | 1185                                 | 427                    | NA                                 | NA          |
| Quadro 2000 D                                   | 1182                                 | 428                    | NA                                 | NA          |
| GeForce GT 745A                                 | 1179                                 | 429                    | NA                                 | NA          |
| Intel Iris Pro 5200                             | 1172                                 | 430                    | NA                                 | NA          |
| GeForce GPU                                     | 1167                                 | 431                    | NA                                 | NA          |
| Radeon R5 PRO A6-9500 R5, 8 COMPUTE CORES 2C+6G | 1167                                 | 432                    | NA                                 | NA          |
| FirePro 3D V4800                                | 1165                                 | 433                    | 7.28                               | \$159.99*   |
| FireStream 9250                                 | 1164                                 | 434                    | NA                                 | NA          |
| Barco MXRT 5400                                 | 1161                                 | 435                    | NA                                 | NA          |
| Radeon R7 PRO A12-8870E                         | 1160                                 | 436                    | NA                                 | NA          |
| Intel Coffee Lake UHD                           | 1158                                 | 438                    | NA                                 | NA          |
| Radeon R7 A10-7890K                             | 1158                                 | 437                    | NA                                 | NA          |
| Radeon R7 PRO A10-8770E                         | 1147                                 | 439                    | NA                                 | NA          |
| Radeon R7 PRO A10-9700E                         | 1142                                 | 440                    | NA                                 | NA          |
| Radeon HD 8850M / R9 M265X                      | 1139                                 | 441                    | NA                                 | NA          |
| Radeon HD 4850 X2                               | 1137                                 | 442                    | NA                                 | NA          |
| Videocard Name                                  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| GeForce GTX 260                                 | 1135                                 | 443                    | 11.91                              | \$95.38*    |
| Radeon HD 7560D + 6670 Dual                     | 1130                                 | 444                    | NA                                 | NA          |
| GeForce 845M                                    | 1128                                 | 445                    | NA                                 | NA          |
| Radeon R7 A10-7870K                             | 1127                                 | 446                    | NA                                 | NA          |
| RadeonT R5 430                                  | 1123                                 | 447                    | NA                                 | NA          |
| Intel HD 630                                    | 1119                                 | 448                    | NA                                 | NA          |
| Radeon R7 M460                                  | 1119                                 | 449                    | NA                                 | NA          |
| Radeon HD 7670                                  | 1115                                 | 450                    | NA                                 | NA          |
| Radeon R7 M260X                                 | 1115                                 | 451                    | NA                                 | NA          |
| Radeon R9 M275                                  | 1114                                 | 452                    | 1.59                               | \$699.99    |
| FirePro M4150                                   | 1113                                 | 453                    | NA                                 | NA          |
| Radeon Vega 3                                   | 1112                                 | 454                    | 1.85                               | \$599.97*   |
| Quadro FX 5800                                  | 1108                                 | 455                    | 6.20                               | \$178.89*   |

| Videocard Name                                  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|-------------------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon R7 A10-8850                              | 1107                                 | 456                    | NA                                 | NA          |
| Radeon Vega 3 Mobile                            | 1106                                 | 457                    | NA                                 | NA          |
| Radeon R7 A10-9700E RADEON                      | 1105                                 | 458                    | NA                                 | NA          |
| Radeon HD 7660D + 6570 Dual                     | 1100                                 | 459                    | NA                                 | NA          |
| FirePro M4170                                   | 1086                                 | 460                    | NA                                 | NA          |
| Radeon R7 A8-9600 RADEON                        | 1086                                 | 461                    | NA                                 | NA          |
| Radeon HD 5670                                  | 1084                                 | 462                    | 22.67                              | \$47.84*    |
| Radeon R7 PRO A10-9700B                         | 1082                                 | 463                    | NA                                 | NA          |
| Quadro K2000M                                   | 1080                                 | 464                    | 7.50                               | \$144.04*   |
| GeForce 920MX                                   | 1074                                 | 465                    | NA                                 | NA          |
| Quadro M500M                                    | 1071                                 | 466                    | NA                                 | NA          |
| Radeon R7 M445                                  | 1067                                 | 467                    | NA                                 | NA          |
| Intel HD P530                                   | 1065                                 | 468                    | NA                                 | NA          |
| Radeon HD 7660D + 7670 Dual                     | 1061                                 | 469                    | NA                                 | NA          |
| Radeon HD 7520G + 7700M Dual                    | 1060                                 | 470                    | NA                                 | NA          |
| Firepro M4100                                   | 1059                                 | 472                    | NA                                 | NA          |
| Radeon HD 6670                                  | 1059                                 | 471                    | 10.29                              | \$102.99*   |
| GeForce GT 445M                                 | 1054                                 | 473                    | NA                                 | NA          |
| Radeon HD 8750M                                 | 1054                                 | 474                    | NA                                 | NA          |
| GeForce GTX 295                                 | 1053                                 | 475                    | 6.58                               | \$159.99*   |
| Radeon HD 7670A                                 | 1050                                 | 476                    | NA                                 | NA          |
| Radeon R7 PRO A8-9600                           | 1049                                 | 477                    | NA                                 | NA          |
| Radeon R7 + R7 240 Dual                         | 1045                                 | 478                    | NA                                 | NA          |
| Radeon R5 340                                   | 1041                                 | 479                    | NA                                 | NA          |
| Radeon R7 340                                   | 1041                                 | 480                    | NA                                 | NA          |
| Quadro 2000M                                    | 1037                                 | 481                    | 22.28                              | \$46.56     |
| Intel UHD Graphics 620                          | 1036                                 | 482                    | NA                                 | NA          |
| Radeon HD 4770                                  | 1036                                 | 483                    | NA                                 | NA          |
| Radeon HD 8600/8700M                            | 1034                                 | 484                    | NA                                 | NA          |
| Radeon HD 8570D + HD 8570 Dual                  | 1032                                 | 485                    | NA                                 | NA          |
| Radeon R5 430                                   | 1032                                 | 486                    | NA                                 | NA          |
| GeForce 940A                                    | 1031                                 | 487                    | NA                                 | NA          |
| Radeon HD 8730M                                 | 1028                                 | 489                    | NA                                 | NA          |
| Radeon HD7570                                   | 1028                                 | 488                    | NA                                 | NA          |
| Radeon R7 + R5 330 Dual                         | 1028                                 | 490                    | NA                                 | NA          |
| Radeon R7 A8-7500                               | 1027                                 | 491                    | NA                                 | NA          |
| Videocard Name                                  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Quadro K1100M                                   | 1024                                 | 492                    | 9.32                               | \$110.00*   |
| Radeon HD 4850                                  | 1023                                 | 493                    | 11.38                              | \$89.99*    |
| Radeon R7 Opteron X3421                         | 1021                                 | 494                    | NA                                 | NA          |
| Radeon HD 8670D + R7 240 Dual                   | 1020                                 | 495                    | NA                                 | NA          |
| Radeon R7 A10-7850K                             | 1019                                 | 496                    | NA                                 | NA          |
| Radeon R5 PRO A6-8570 R5, 8 COMPUTE CORES 2C+6G | 1014                                 | 498                    | NA                                 | NA          |
| Radeon R7 PRO A12-9800E                         | 1014                                 | 497                    | NA                                 | NA          |
| Radeon HD 6700M                                 | 1013                                 | 499                    | NA                                 | NA          |
| Radeon HD 7690M XT                              | 1009                                 | 500                    | NA                                 | NA          |
| GeForce 830A                                    | 1004                                 | 501                    | NA                                 | NA          |
| Quadro FX 4800                                  | 1003                                 | 502                    | 6.69                               | \$149.99*   |

| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|----------------------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon HD 7690M                                    | 1001                                 | 503                    | NA                                 | NA          |
| Radeon HD 7660G + HD 7500M/7600M Dual              | 999                                  | 505                    | NA                                 | NA          |
| Radeon HD 8570D + R7 200 Dual                      | 999                                  | 504                    | NA                                 | NA          |
| Intel HD 530                                       | 998                                  | 506                    | NA                                 | NA          |
| Barco MXRT 5450                                    | 992                                  | 507                    | NA                                 | NA          |
| Radeon HD 7640G + HD 8750M Dual                    | 992                                  | 508                    | NA                                 | NA          |
| GeForce 940M                                       | 991                                  | 509                    | NA                                 | NA          |
| Radeon HD 7730M                                    | 989                                  | 510                    | NA                                 | NA          |
| Radeon R7 A10-7860K                                | 989                                  | 511                    | NA                                 | NA          |
| Radeon R7 A10-8750                                 | 988                                  | 512                    | NA                                 | NA          |
| Radeon HD 6800M                                    | 987                                  | 513                    | NA                                 | NA          |
| Radeon R7 A265                                     | 987                                  | 514                    | NA                                 | NA          |
| Radeon HD 8690M                                    | 984                                  | 515                    | NA                                 | NA          |
| Radeon HD 7560D + 7560D Dual                       | 982                                  | 516                    | NA                                 | NA          |
| Radeon HD 7570                                     | 982                                  | 517                    | NA                                 | NA          |
| Radeon HD 8570                                     | 979                                  | 518                    | NA                                 | NA          |
| Radeon R7 240                                      | 979                                  | 519                    | 17.82                              | \$54.99     |
| Intel Iris 6100                                    | 977                                  | 520                    | NA                                 | NA          |
| GeForce GT 745M                                    | 975                                  | 521                    | NA                                 | NA          |
| NVS 810                                            | 975                                  | 522                    | 1.56                               | \$624.99    |
| Radeon E6760                                       | 973                                  | 523                    | 4.06                               | \$239.99*   |
| Radeon HD 8850M                                    | 973                                  | 524                    | NA                                 | NA          |
| Radeon HD 7660G N HD 7660G + HD 7700M N HD 7700M D | 966                                  | 525                    | NA                                 | NA          |
| Radeon HD 6770M                                    | 964                                  | 527                    | NA                                 | NA          |
| Radeon R7 M440                                     | 964                                  | 526                    | NA                                 | NA          |
| Radeon HD 8570D + R7 240 Dual                      | 963                                  | 528                    | NA                                 | NA          |
| GeForce GT 640M                                    | 962                                  | 529                    | NA                                 | NA          |
| Radeon R7 A10 PRO-7850B                            | 962                                  | 530                    | NA                                 | NA          |
| Radeon HD 5600/5700                                | 957                                  | 531                    | NA                                 | NA          |
| Radeon R5 A6-9500 RADEON R5, 8 COMPUTE CORES 2C+6G | 955                                  | 532                    | NA                                 | NA          |
| Radeon R7 PRO A10-8750B                            | 954                                  | 533                    | NA                                 | NA          |
| Radeon HD 4830                                     | 949                                  | 535                    | 15.82                              | \$59.99*    |
| Radeon HD 8670D + R7 200 Dual                      | 949                                  | 534                    | NA                                 | NA          |
| Quadro CX                                          | 947                                  | 536                    | 6.32                               | \$149.95*   |
| GeForce 930M                                       | 946                                  | 537                    | NA                                 | NA          |
| Radeon R7 PRO A10-8850B                            | 945                                  | 539                    | NA                                 | NA          |
| Radeon R7 PRO A12-8830B                            | 945                                  | 538                    | NA                                 | NA          |
| Radeon R7 A12-9720P RADEON                         | 942                                  | 540                    | NA                                 | NA          |
| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Radeon HD 7660D + R7 240 Dual                      | 941                                  | 541                    | NA                                 | NA          |
| Radeon HD 6750M                                    | 937                                  | 542                    | NA                                 | NA          |
| Intel HD Graphics 620                              | 931                                  | 544                    | NA                                 | NA          |
| Radeon HD 7660G + 7730M Dual                       | 931                                  | 543                    | NA                                 | NA          |
| Radeon R7 240 + HD 8670D Dual                      | 930                                  | 545                    | NA                                 | NA          |
| Radeon R7 A8-7600                                  | 927                                  | 546                    | NA                                 | NA          |
| Radeon HD 8650G                                    | 924                                  | 547                    | NA                                 | NA          |
| GeForce GT 730                                     | 920                                  | 548                    | 13.15                              | \$69.99     |
| GeForce 920A                                       | 919                                  | 549                    | NA                                 | NA          |

| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|----------------------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon HD 8690A                                    | 919                                  | 550                    | NA                                 | NA          |
| GeForce 840M                                       | 917                                  | 552                    | NA                                 | NA          |
| Radeon R7 240 + HD 8570D Dual                      | 917                                  | 551                    | NA                                 | NA          |
| GeForce GT 635                                     | 916                                  | 553                    | NA                                 | NA          |
| GRID K220Q                                         | 912                                  | 554                    | NA                                 | NA          |
| Radeon R7 A12-9730P RADEON                         | 910                                  | 556                    | NA                                 | NA          |
| Radeon R7 A8-8650                                  | 910                                  | 555                    | NA                                 | NA          |
| Radeon R5 PRO A6-9500E R5, 6 COMPUTE CORES 2C+4G   | 906                                  | 557                    | NA                                 | NA          |
| Radeon R7 M365X                                    | 904                                  | 558                    | NA                                 | NA          |
| FirePro W2100                                      | 900                                  | 559                    | 7.90                               | \$113.99*   |
| GeForce 9800 GTX+                                  | 897                                  | 560                    | NA                                 | NA          |
| Radeon R7 A10-7700K                                | 897                                  | 561                    | NA                                 | NA          |
| GeForce 830M                                       | 895                                  | 563                    | NA                                 | NA          |
| Quadro K620M                                       | 895                                  | 562                    | NA                                 | NA          |
| GeForce GT 555M                                    | 894                                  | 564                    | NA                                 | NA          |
| GeForce GT 645M                                    | 891                                  | 565                    | NA                                 | NA          |
| Radeon R7 + R5 435 Dual A10-9700 RADEON            | 885                                  | 566                    | NA                                 | NA          |
| Radeon R7 A10-7800                                 | 884                                  | 567                    | NA                                 | NA          |
| Radeon HD 8650G + 7670M Dual                       | 883                                  | 568                    | NA                                 | NA          |
| Radeon HD 7660G + HD 7730M Dual                    | 881                                  | 569                    | NA                                 | NA          |
| GRID K1                                            | 880                                  | 570                    | 0.73                               | \$1,199.00  |
| GeForce 9800 GTX/9800 GTX+                         | 878                                  | 571                    | 9.77                               | \$89.99*    |
| GeForce GTS 250                                    | 876                                  | 572                    | 7.62                               | \$114.99*   |
| Radeon HD 3870 X2                                  | 874                                  | 573                    | NA                                 | NA          |
| FirePro V3900                                      | 871                                  | 574                    | 6.70                               | \$129.99*   |
| GeForce 840A                                       | 869                                  | 575                    | NA                                 | NA          |
| Radeon HD 8570D + HD 6570 Dual                     | 868                                  | 576                    | NA                                 | NA          |
| Mobility Radeon HD 4850                            | 866                                  | 577                    | NA                                 | NA          |
| Radeon R7 A8-7650K                                 | 866                                  | 578                    | NA                                 | NA          |
| Radeon HD 8500M/8700M                              | 859                                  | 579                    | NA                                 | NA          |
| Radeon HD 8550G + HD 7600M Dual                    | 854                                  | 580                    | NA                                 | NA          |
| Radeon R7 A8-7500 Radeon R7, 10 Compute Cores 4C+6 | 853                                  | 581                    | NA                                 | NA          |
| Radeon R7 A8-7670K                                 | 850                                  | 582                    | NA                                 | NA          |
| Radeon R5 PRO A8-9600B R5, 10 COMPUTE CORES 4C+6G  | 849                                  | 583                    | NA                                 | NA          |
| Radeon R7 FX-8800P                                 | 849                                  | 584                    | NA                                 | NA          |
| GeForce GT 440                                     | 842                                  | 585                    | 12.03                              | \$69.99*    |
| Radeon R7 FX-9800P RADEON                          | 842                                  | 586                    | 1.59                               | \$530.00    |
| Quadro FX 3800                                     | 839                                  | 588                    | 3.77                               | \$222.61    |
| Radeon R5 PRO A6-8570E R5, 6 COMPUTE CORES 2C+4G   | 839                                  | 589                    | NA                                 | NA          |
| Radeon R7 PRO A8-8650B                             | 839                                  | 587                    | NA                                 | NA          |
| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Radeon 520                                         | 837                                  | 590                    | NA                                 | NA          |
| Radeon HD 8670D + R5 235 Dual                      | 836                                  | 591                    | NA                                 | NA          |
| Intel HD 520                                       | 835                                  | 592                    | NA                                 | NA          |
| GeForce GT 730M                                    | 834                                  | 593                    | NA                                 | NA          |
| GeForce 8800 GTS 512                               | 833                                  | 594                    | NA                                 | NA          |

| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|----------------------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon HD 7560D + 6570 Dual                        | 833                                  | 595                    | NA                                 | NA          |
| Radeon HD 7660G + 7600M Dual                       | 831                                  | 597                    | NA                                 | NA          |
| Radeon HD 8650G + 8600/8700M Dual                  | 831                                  | 596                    | NA                                 | NA          |
| Quadro K420                                        | 830                                  | 598                    | 7.69                               | \$107.99*   |
| Intel HD 6000                                      | 828                                  | 599                    | NA                                 | NA          |
| Radeon R7 M265                                     | 826                                  | 600                    | NA                                 | NA          |
| Quadro K600                                        | 824                                  | 601                    | 19.25                              | \$42.82     |
| Radeon HD 7640G N HD 7640G + HD 7600M N HD 7600M D | 824                                  | 602                    | NA                                 | NA          |
| Radeon HD 8550G + HD 8750M Dual                    | 819                                  | 604                    | NA                                 | NA          |
| Radeon HD 8650G + HD 7600M Dual                    | 819                                  | 603                    | NA                                 | NA          |
| Radeon R5 PRO A10-8730B R5, 10 COMPUTE CORES 4C+6G | 819                                  | 605                    | NA                                 | NA          |
| GeForce GTS 240                                    | 817                                  | 606                    | 12.58                              | \$64.99*    |
| Radeon HD 8550G + HD 8600/8700M Dual               | 813                                  | 607                    | NA                                 | NA          |
| Radeon HD 7670M                                    | 812                                  | 608                    | 1.29                               | \$629.99*   |
| Radeon R5 A10-9600P RADEON R5, 10 COMPUTE CORES 4C | 809                                  | 609                    | NA                                 | NA          |
| Radeon R7 PRO A12-9800B                            | 808                                  | 610                    | NA                                 | NA          |
| GeForce 730A                                       | 804                                  | 611                    | NA                                 | NA          |
| GeForce 9800 GX2                                   | 802                                  | 614                    | NA                                 | NA          |
| GeForce GTX 850A                                   | 802                                  | 612                    | NA                                 | NA          |
| Quadro FX 3800M                                    | 802                                  | 615                    | NA                                 | NA          |
| Radeon HD 8550G + 8600/8700M Dual                  | 802                                  | 613                    | NA                                 | NA          |
| Radeon HD 7660G                                    | 799                                  | 616                    | NA                                 | NA          |
| Radeon HD 8550G + 8750M Dual                       | 795                                  | 617                    | NA                                 | NA          |
| Quadro K1000M                                      | 794                                  | 618                    | 5.30                               | \$149.90*   |
| Radeon HD 7650A                                    | 793                                  | 619                    | 3.03                               | \$262.00*   |
| Radeon HD 3850 X2                                  | 792                                  | 620                    | NA                                 | NA          |
| Radeon R7 A10 Extreme Edition                      | 790                                  | 621                    | NA                                 | NA          |
| Radeon HD 8650G + 8750M Dual                       | 786                                  | 622                    | NA                                 | NA          |
| Radeon R7 PRO A12-8800B                            | 786                                  | 623                    | NA                                 | NA          |
| GeForce GT 740M                                    | 785                                  | 624                    | NA                                 | NA          |
| GeForce GT 640M LE                                 | 784                                  | 625                    | 0.92                               | \$849.99*   |
| NVS 5400M                                          | 783                                  | 626                    | NA                                 | NA          |
| Radeon HD 7660D                                    | 781                                  | 628                    | NA                                 | NA          |
| Radeon HD 8670D                                    | 781                                  | 627                    | NA                                 | NA          |
| Intel UHD 610                                      | 780                                  | 629                    | NA                                 | NA          |
| Radeon HD 4810                                     | 779                                  | 630                    | NA                                 | NA          |
| GRID K180Q                                         | 778                                  | 633                    | NA                                 | NA          |
| Radeon HD 7660G + HD 7600M Dual                    | 778                                  | 632                    | NA                                 | NA          |
| Radeon HD 8650G + HD 8750M Dual                    | 778                                  | 631                    | NA                                 | NA          |
| Intel HD 5200                                      | 777                                  | 634                    | NA                                 | NA          |
| GeForce GT 340                                     | 775                                  | 635                    | 14.63                              | \$52.99*    |
| Mobility Radeon HD 5000                            | 773                                  | 638                    | NA                                 | NA          |
| Radeon HD 7600M + 7600M Dual                       | 773                                  | 636                    | NA                                 | NA          |
| Radeon HD 8650G N HD 8650G + HD 8570M Dual         | 773                                  | 637                    | NA                                 | NA          |
| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |

| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|----------------------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon R5 A10-9620P RADEON R5, 10 COMPUTE CORES 4C | 770                                  | 639                    | NA                                 | NA          |
| GeForce 8800 Ultra                                 | 769                                  | 641                    | NA                                 | NA          |
| GeForce 9800 GTX                                   | 769                                  | 640                    | NA                                 | NA          |
| Radeon HD 8650G + HD 8600/8700M Dual               | 765                                  | 642                    | NA                                 | NA          |
| NVS 510                                            | 764                                  | 643                    | 3.21                               | \$237.99    |
| GeForce 8800 GTX                                   | 763                                  | 645                    | NA                                 | NA          |
| Mobility Radeon HD 5850                            | 763                                  | 644                    | NA                                 | NA          |
| Quadro K610M                                       | 761                                  | 646                    | 10.15                              | \$75.00*    |
| GeForce 825M                                       | 759                                  | 648                    | NA                                 | NA          |
| Radeon HD 6570                                     | 759                                  | 647                    | 15.20                              | \$49.99*    |
| Radeon R7 M340                                     | 758                                  | 649                    | NA                                 | NA          |
| GeForce GTS 360M                                   | 757                                  | 652                    | NA                                 | NA          |
| Radeon HD 7660G + 7700M Dual                       | 757                                  | 651                    | NA                                 | NA          |
| Radeon R5 420                                      | 757                                  | 650                    | NA                                 | NA          |
| Radeon R5 M255                                     | 756                                  | 653                    | NA                                 | NA          |
| Quadro 1100M                                       | 755                                  | 654                    | NA                                 | NA          |
| Radeon HD 8570D + HD 7000 Dual                     | 753                                  | 655                    | NA                                 | NA          |
| Quadro 1000M                                       | 751                                  | 657                    | 26.86                              | \$27.99*    |
| Radeon HD 7660G + HD 7700M Dual                    | 751                                  | 656                    | NA                                 | NA          |
| Intel Iris 5100                                    | 749                                  | 659                    | NA                                 | NA          |
| Radeon R7 A12-9700P RADEON                         | 749                                  | 658                    | NA                                 | NA          |
| GeForce 8800 GT                                    | 748                                  | 660                    | NA                                 | NA          |
| GeForce GT 140                                     | 747                                  | 661                    | NA                                 | NA          |
| GeForce GT 630                                     | 746                                  | 662                    | 7.52                               | \$99.21*    |
| Radeon HD 7660G + 7610M Dual                       | 745                                  | 663                    | NA                                 | NA          |
| Radeon R7 M270                                     | 745                                  | 664                    | NA                                 | NA          |
| GeForce GT 530                                     | 744                                  | 665                    | 15.20                              | \$49.00*    |
| Radeon HD 7660G + 7670M Dual                       | 743                                  | 667                    | NA                                 | NA          |
| Radeon R5 235 + HD 7560D Dual                      | 743                                  | 666                    | NA                                 | NA          |
| GeForce GT 730A                                    | 742                                  | 668                    | NA                                 | NA          |
| Radeon HD 8650G + 7600M Dual                       | 741                                  | 669                    | NA                                 | NA          |
| Intel UHD 615                                      | 739                                  | 671                    | NA                                 | NA          |
| Radeon 6600M                                       | 739                                  | 670                    | NA                                 | NA          |
| Radeon HD 7670M + 7670M Dual                       | 738                                  | 672                    | NA                                 | NA          |
| GeForce 920M                                       | 734                                  | 674                    | NA                                 | NA          |
| GeForce GTX 285M                                   | 734                                  | 673                    | NA                                 | NA          |
| Intel HD 615                                       | 732                                  | 675                    | NA                                 | NA          |
| GeForce 9600 GT                                    | 729                                  | 676                    | 18.24                              | \$39.99*    |
| Radeon HD 7550M/7650M                              | 728                                  | 677                    | NA                                 | NA          |
| Radeon R7 A8 PRO-7600B                             | 728                                  | 678                    | NA                                 | NA          |
| GRID K140Q                                         | 727                                  | 679                    | NA                                 | NA          |
| Radeon HD 7650M                                    | 723                                  | 680                    | NA                                 | NA          |
| Radeon HD 7660G N HD 7660G + HD 7600M N HD 7600M D | 722                                  | 681                    | NA                                 | NA          |
| Radeon HD 8650G + R5 M200 Dual                     | 722                                  | 682                    | NA                                 | NA          |
| Mobility Radeon HD 4870                            | 719                                  | 683                    | NA                                 | NA          |
| Radeon HD 7540D + 6570 Dual                        | 719                                  | 684                    | NA                                 | NA          |
| GeForce GT 550M                                    | 718                                  | 685                    | NA                                 | NA          |
| Radeon HD 6650M                                    | 718                                  | 686                    | NA                                 | NA          |
| Radeon HD 8670D + HD 7000 Dual                     | 718                                  | 687                    | NA                                 | NA          |



| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|----------------------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Radeon HD 3870                                     | 717                                  | 688                    | 12.38                              | \$58.00*    |
| Radeon HD 8470D + 6450 Dual                        | 717                                  | 689                    | NA                                 | NA          |
| GeForce GT 720                                     | 716                                  | 692                    | 13.02                              | \$54.99*    |
| Radeon HD 8550G                                    | 716                                  | 690                    | NA                                 | NA          |
| Radeon HD 8650G + HD 8570M Dual                    | 716                                  | 691                    | NA                                 | NA          |
| Intel HD 610                                       | 715                                  | 693                    | NA                                 | NA          |
| Mobility Radeon HD 5570                            | 715                                  | 694                    | NA                                 | NA          |
| Radeon HD 5570                                     | 714                                  | 695                    | 3.76                               | \$189.99*   |
| Intel HD 4600                                      | 711                                  | 696                    | NA                                 | NA          |
| Radeon HD 7660G + HD 8670M Dual                    | 711                                  | 698                    | NA                                 | NA          |
| Radeon R7 M360                                     | 711                                  | 697                    | NA                                 | NA          |
| GeForce 9800 GT                                    | 707                                  | 699                    | 6.81                               | \$103.99*   |
| Radeon HD 6550A                                    | 707                                  | 700                    | NA                                 | NA          |
| Radeon HD 7660G + HD 7670M Dual                    | 706                                  | 701                    | NA                                 | NA          |
| Radeon HD 7640G + 7600M Dual                       | 705                                  | 702                    | NA                                 | NA          |
| Radeon HD 7660G N HD 7660G + HD 7670M Dual         | 704                                  | 703                    | NA                                 | NA          |
| GeForce GT 820M                                    | 703                                  | 704                    | NA                                 | NA          |
| Radeon HD 7640G + HD 7600M Dual                    | 702                                  | 705                    | NA                                 | NA          |
| GRID K160Q                                         | 701                                  | 706                    | NA                                 | NA          |
| GeForce 820A                                       | 700                                  | 707                    | NA                                 | NA          |
| Radeon HD 7570M/HD 7670M                           | 699                                  | 709                    | NA                                 | NA          |
| TRINITY DEVASTATOR MOBILE                          | 699                                  | 708                    | NA                                 | NA          |
| Quadro 600                                         | 698                                  | 710                    | 14.07                              | \$49.60     |
| GeForce GT 635M                                    | 696                                  | 711                    | NA                                 | NA          |
| Radeon HD 7640G + HD 8570M Dual                    | 696                                  | 712                    | NA                                 | NA          |
| Radeon R5 PRO A6-9500B R5, 6 COMPUTE CORES 2C+4G   | 693                                  | 713                    | NA                                 | NA          |
| Radeon R7 A10 PRO-7800B                            | 692                                  | 714                    | NA                                 | NA          |
| Radeon HD 7640G + 7700M Dual                       | 690                                  | 715                    | NA                                 | NA          |
| Radeon R5 PRO A6-8530B R5, 6 COMPUTE CORES 2C+4G   | 689                                  | 716                    | NA                                 | NA          |
| GeForce GT 630M                                    | 688                                  | 718                    | NA                                 | NA          |
| Radeon HD 7640G + 8600/8700M Dual                  | 688                                  | 717                    | NA                                 | NA          |
| Radeon R7 M260                                     | 687                                  | 719                    | 0.86                               | \$799.00*   |
| Radeon HD 8650G + R5 M230 Dual                     | 686                                  | 721                    | NA                                 | NA          |
| Radeon R6 A10-8700P                                | 686                                  | 720                    | NA                                 | NA          |
| Radeon HD 8550D                                    | 685                                  | 722                    | NA                                 | NA          |
| Radeon HD 6630M                                    | 684                                  | 723                    | NA                                 | NA          |
| Quadro FX 5600                                     | 681                                  | 724                    | 3.79                               | \$179.99*   |
| GeForce GT 710                                     | 679                                  | 726                    | 17.00                              | \$39.99     |
| Radeon HD 7640G N HD 7640G + HD 7670M Dual         | 679                                  | 728                    | NA                                 | NA          |
| Radeon HD 8570D                                    | 679                                  | 725                    | NA                                 | NA          |
| Radeon HD 8650G N HD 8650G + HD 8600M N HD 8600M D | 679                                  | 727                    | NA                                 | NA          |
| GeForce GTS 160M                                   | 678                                  | 729                    | NA                                 | NA          |
| Mobility Radeon HD 5730                            | 676                                  | 730                    | NA                                 | NA          |
| Radeon HD 8610G + R5 M200 Dual                     | 676                                  | 731                    | NA                                 | NA          |

| Videocard Name                             | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--------------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Quadro 500M                                | 672                                  | 732                    | 2.44                               | \$275.14*   |
| Intel HD P4600/P4700                       | 670                                  | 733                    | NA                                 | NA          |
| GeForce GT 735M                            | 669                                  | 734                    | NA                                 | NA          |
| Radeon HD 8550G + R5 M230 Dual             | 667                                  | 735                    | NA                                 | NA          |
| FirePro M7740                              | 665                                  | 739                    | NA                                 | NA          |
| Videocard Name                             | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| GeForce GT 435M                            | 665                                  | 738                    | NA                                 | NA          |
| Quadro FX 4700 X2                          | 665                                  | 737                    | NA                                 | NA          |
| Radeon HD 7640G + HD 8500M N HD 8500M Dual | 665                                  | 736                    | NA                                 | NA          |
| Radeon HD 8550G + 8690M Dual               | 664                                  | 740                    | NA                                 | NA          |
| Intel HD 5600                              | 663                                  | 742                    | NA                                 | NA          |
| NVS 5200M                                  | 663                                  | 741                    | NA                                 | NA          |
| GeForce GT 430                             | 661                                  | 743                    | 18.39                              | \$35.99*    |
| GeForce GT 720A                            | 661                                  | 744                    | NA                                 | NA          |
| Radeon HD 7560D                            | 661                                  | 745                    | NA                                 | NA          |
| FireGL V7700                               | 660                                  | 746                    | 3.77                               | \$174.99*   |
| Quadro FX 2800M                            | 659                                  | 748                    | 13.20                              | \$49.95*    |
| Radeon HD 7640G + HD 7670M Dual            | 659                                  | 747                    | NA                                 | NA          |
| Radeon HD 2900 XT                          | 657                                  | 749                    | NA                                 | NA          |
| Radeon R5 240                              | 656                                  | 750                    | 13.68                              | \$47.99     |
| Radeon R5 M430                             | 655                                  | 751                    | NA                                 | NA          |
| Radeon HD 7640G + 8750M Dual               | 654                                  | 752                    | NA                                 | NA          |
| Radeon HD 8650G + 8570M Dual               | 654                                  | 753                    | NA                                 | NA          |
| Quadro K510M                               | 651                                  | 754                    | NA                                 | NA          |
| Radeon HD 7520G + HD 8750M Dual            | 651                                  | 755                    | NA                                 | NA          |
| SUMO 9640                                  | 650                                  | 756                    | NA                                 | NA          |
| GeForce GT 240                             | 649                                  | 757                    | 17.10                              | \$37.99*    |
| GeForce GT 540M                            | 649                                  | 758                    | NA                                 | NA          |
| Intel HD 515                               | 647                                  | 759                    | NA                                 | NA          |
| Radeon HD 6670 + 6670 Dual                 | 646                                  | 760                    | NA                                 | NA          |
| GeForce 9800M GTS                          | 645                                  | 762                    | NA                                 | NA          |
| Radeon HD 8610G + HD 8500M Dual            | 645                                  | 761                    | NA                                 | NA          |
| Radeon HD 6550D                            | 644                                  | 764                    | NA                                 | NA          |
| Radeon HD 7640G + 7670M Dual               | 644                                  | 763                    | NA                                 | NA          |
| Radeon R6                                  | 642                                  | 765                    | NA                                 | NA          |
| GeForce 810A                               | 638                                  | 766                    | NA                                 | NA          |
| Radeon HD 8650G + 8670M Dual               | 638                                  | 767                    | NA                                 | NA          |
| Radeon HD 7640G + 7400M Dual               | 637                                  | 768                    | NA                                 | NA          |
| Radeon HD 8450G + 8750M Dual               | 637                                  | 769                    | NA                                 | NA          |
| Radeon R5 330                              | 636                                  | 770                    | 1.72                               | \$369.99*   |
| GeForce 9800 S                             | 635                                  | 771                    | NA                                 | NA          |
| Matrox C420 LP PCIe x16                    | 635                                  | 772                    | NA                                 | NA          |
| Radeon HD 8650G + HD 7670M Dual            | 634                                  | 773                    | NA                                 | NA          |
| Quadro FX 3700M                            | 633                                  | 774                    | 0.69                               | \$925.00*   |
| Radeon HD 7660D + HD 7000 Dual             | 633                                  | 775                    | NA                                 | NA          |
| Radeon HD 7610M                            | 632                                  | 776                    | NA                                 | NA          |
| Quadro FX 3700                             | 631                                  | 777                    | 7.01                               | \$89.99*    |
| Radeon HD 7660G + 7470M Dual               | 630                                  | 778                    | NA                                 | NA          |

| Videocard Name                                    | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|---------------------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon HD 2900 PRO                                | 627                                  | 779                    | NA                                 | NA          |
| Radeon HD 7640G + 7500/7600 Dual                  | 627                                  | 780                    | NA                                 | NA          |
| GeForce GT 425M                                   | 626                                  | 782                    | NA                                 | NA          |
| Radeon HD 8650G + 8500M Dual                      | 626                                  | 781                    | NA                                 | NA          |
| Radeon HD 7520G + HD 8600/8700M Dual              | 623                                  | 783                    | NA                                 | NA          |
| Intel HD 510                                      | 621                                  | 784                    | NA                                 | NA          |
| GeForce GTX 280M                                  | 620                                  | 785                    | NA                                 | NA          |
| Videocard Name                                    | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Radeon HD 8570 + 8670D Dual                       | 620                                  | 786                    | NA                                 | NA          |
| Radeon HD 8550G + R5 M200 Dual                    | 619                                  | 787                    | NA                                 | NA          |
| GeForce 820M                                      | 618                                  | 788                    | NA                                 | NA          |
| Radeon HD 8550G + 8600M Dual                      | 617                                  | 789                    | NA                                 | NA          |
| Radeon HD 7500G + 7500M/7600M Dual                | 616                                  | 790                    | NA                                 | NA          |
| FireGL V7600                                      | 615                                  | 791                    | NA                                 | NA          |
| FirePro M2000                                     | 615                                  | 792                    | NA                                 | NA          |
| Radeon HD 7640G + HD 7400M Dual                   | 615                                  | 793                    | NA                                 | NA          |
| Radeon HD 7640G                                   | 614                                  | 794                    | NA                                 | NA          |
| Radeon HD 8650G + 8600M Dual                      | 613                                  | 795                    | NA                                 | NA          |
| Radeon HD 7570M                                   | 611                                  | 796                    | NA                                 | NA          |
| 7900 MOD - Radeon HD 6520G                        | 610                                  | 797                    | NA                                 | NA          |
| Radeon HD 8610G + 8500M Dual                      | 610                                  | 798                    | NA                                 | NA          |
| Radeon R5 M315                                    | 609                                  | 799                    | NA                                 | NA          |
| Radeon HD 7640G + HD 8500M Dual                   | 607                                  | 800                    | NA                                 | NA          |
| GeForce 8800 GTS                                  | 605                                  | 801                    | NA                                 | NA          |
| Intel HD P4600                                    | 604                                  | 802                    | NA                                 | NA          |
| Radeon R6 PRO A8-8600B R6, 10 Compute Cores 4C+6G | 604                                  | 803                    | NA                                 | NA          |
| Radeon HD 8550G + 8500M Dual                      | 602                                  | 804                    | NA                                 | NA          |
| Quadro FX 4600                                    | 601                                  | 805                    | 4.63                               | \$129.99    |
| Radeon HD 8650G + HD 8600M Dual                   | 601                                  | 806                    | NA                                 | NA          |
| GeForce GT 525M                                   | 600                                  | 807                    | NA                                 | NA          |
| Intel HD 5000                                     | 600                                  | 808                    | NA                                 | NA          |
| Radeon R5 M330                                    | 600                                  | 809                    | NA                                 | NA          |
| Radeon HD 7520G + HD 7600M Dual                   | 599                                  | 811                    | NA                                 | NA          |
| Radeon HD 8610G + 8670M Dual                      | 599                                  | 810                    | NA                                 | NA          |
| Radeon HD 7640G + 7470M Dual                      | 598                                  | 812                    | NA                                 | NA          |
| Radeon R5 M320                                    | 598                                  | 813                    | NA                                 | NA          |
| Radeon HD 8510G + 8500M Dual                      | 596                                  | 814                    | NA                                 | NA          |
| Radeon HD 8550G + HD 8600M Dual                   | 593                                  | 815                    | NA                                 | NA          |
| Radeon HD 7520G + 7600M Dual                      | 591                                  | 816                    | NA                                 | NA          |
| Intel HD 5500                                     | 590                                  | 817                    | NA                                 | NA          |
| Radeon HD 7640G + HD 7700M Dual                   | 589                                  | 818                    | NA                                 | NA          |
| Radeon HD 8650G + HD 8670M Dual                   | 589                                  | 819                    | NA                                 | NA          |
| GeForce GTX 260M                                  | 588                                  | 820                    | NA                                 | NA          |
| Radeon HD 7520G + 7610M Dual                      | 588                                  | 822                    | NA                                 | NA          |
| Radeon HD 7660G + 7400M Dual                      | 588                                  | 823                    | NA                                 | NA          |
| Radeon HD 8610G + 8600M Dual                      | 588                                  | 821                    | NA                                 | NA          |
| Radeon HD 7660G + 8670M Dual                      | 587                                  | 824                    | NA                                 | NA          |
| Radeon HD 7640G + HD 8600/8700M Dual              | 586                                  | 825                    | NA                                 | NA          |

| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|----------------------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon HD 7640G + 8500M Dual                       | 585                                  | 826                    | NA                                 | NA          |
| Radeon HD 8610G + HD 8600M Dual                    | 583                                  | 827                    | NA                                 | NA          |
| Quadro FX 1800                                     | 580                                  | 828                    | 5.28                               | \$109.99    |
| Radeon HD 8550G + 8670M Dual                       | 579                                  | 830                    | NA                                 | NA          |
| Radeon R6 PRO A10-8700B R6, 10 Compute Cores 4C+6G | 579                                  | 829                    | NA                                 | NA          |
| Radeon HD 7620G + 8670M Dual                       | 577                                  | 832                    | NA                                 | NA          |
| Radeon HD 8610G + HD 8670M Dual                    | 577                                  | 831                    | NA                                 | NA          |
| Intel Skylake HD DT GT2                            | 576                                  | 833                    | NA                                 | NA          |
| Radeon HD 8450G + HD 8670M Dual                    | 574                                  | 834                    | NA                                 | NA          |
| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| GeForce GT 620M                                    | 571                                  | 835                    | NA                                 | NA          |
| Radeon R5 M230                                     | 571                                  | 836                    | NA                                 | NA          |
| GeForce 710M                                       | 570                                  | 838                    | NA                                 | NA          |
| Radeon R6 + R7 M265DX Dual                         | 570                                  | 837                    | NA                                 | NA          |
| GeForce GTS 250M                                   | 567                                  | 840                    | NA                                 | NA          |
| Intel HD 4400                                      | 567                                  | 839                    | NA                                 | NA          |
| Radeon HD 6610M                                    | 565                                  | 841                    | NA                                 | NA          |
| Mobility Radeon HD 3870 X2                         | 564                                  | 843                    | NA                                 | NA          |
| Radeon HD 8500M                                    | 564                                  | 842                    | NA                                 | NA          |
| Radeon HD 7560D + R5 235 Dual                      | 563                                  | 844                    | NA                                 | NA          |
| GeForce GT 720M                                    | 561                                  | 845                    | NA                                 | NA          |
| GeForce 800M                                       | 559                                  | 846                    | NA                                 | NA          |
| Radeon HD 7640G + 8570M Dual                       | 558                                  | 848                    | NA                                 | NA          |
| Radeon HD 7640G + 8670M Dual                       | 558                                  | 847                    | NA                                 | NA          |
| GeForce GTS 350M                                   | 556                                  | 851                    | NA                                 | NA          |
| Radeon HD 6620G                                    | 556                                  | 849                    | NA                                 | NA          |
| Radeon R5 M240                                     | 556                                  | 850                    | NA                                 | NA          |
| GeForce GT 330                                     | 555                                  | 852                    | 13.90                              | \$39.99*    |
| Radeon HD 7600G + HD 7500M/7600M Dual              | 555                                  | 853                    | NA                                 | NA          |
| GF117                                              | 554                                  | 854                    | NA                                 | NA          |
| Radeon R5 M335                                     | 554                                  | 855                    | NA                                 | NA          |
| GeForce GT 320                                     | 552                                  | 857                    | 16.91                              | \$32.69*    |
| Mobility Radeon HD 5650                            | 552                                  | 856                    | NA                                 | NA          |
| Radeon R7 7850A10-7850K                            | 551                                  | 858                    | NA                                 | NA          |
| FireGL V8650                                       | 550                                  | 859                    | 1.67                               | \$329.99*   |
| GeForce GT 710M                                    | 550                                  | 860                    | NA                                 | NA          |
| Radeon HD 8610G                                    | 549                                  | 861                    | NA                                 | NA          |
| GeForce 615                                        | 548                                  | 862                    | NA                                 | NA          |
| Radeon HD 7520G + HD 7670M Dual                    | 548                                  | 863                    | NA                                 | NA          |
| Radeon HD 8650D                                    | 548                                  | 864                    | NA                                 | NA          |
| GeForce 9800M GS                                   | 547                                  | 866                    | NA                                 | NA          |
| Mobility Radeon HD 3870                            | 547                                  | 865                    | NA                                 | NA          |
| Radeon HD 5550                                     | 547                                  | 867                    | 9.95                               | \$54.99*    |
| FirePro 3D V5700                                   | 546                                  | 868                    | 1.71                               | \$319.99*   |
| Radeon HD 7640G + R5 M200 Dual                     | 546                                  | 869                    | NA                                 | NA          |
| Radeon HD 8550G + HD 8670M Dual                    | 546                                  | 870                    | NA                                 | NA          |
| GeForce 8800 GS                                    | 545                                  | 871                    | NA                                 | NA          |
| Radeon HD 4670                                     | 545                                  | 873                    | 4.96                               | \$109.99*   |

| Videocard Name                  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|---------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon HD 8450G + 8600M Dual    | 545                                  | 872                    | NA                                 | NA          |
| Radeon R5 M420                  | 545                                  | 874                    | NA                                 | NA          |
| GeForce GT 420M                 | 544                                  | 876                    | NA                                 | NA          |
| Radeon HD 7520G + HD 7400M Dual | 544                                  | 875                    | NA                                 | NA          |
| Radeon HD 7600G + HD 8670M Dual | 543                                  | 877                    | NA                                 | NA          |
| GeForce 8800M GTX               | 542                                  | 878                    | NA                                 | NA          |
| FirePro 3D V7750                | 540                                  | 879                    | 1.54                               | \$350.00*   |
| Radeon HD 7560D + HD 7000 Dual  | 534                                  | 880                    | NA                                 | NA          |
| Radeon HD 8570M                 | 534                                  | 881                    | NA                                 | NA          |
| Radeon HD 8550G + 8570M Dual    | 532                                  | 882                    | NA                                 | NA          |
| RADEON HD6530D                  | 531                                  | 883                    | NA                                 | NA          |
| Videocard Name                  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Quadro FX 2700M                 | 529                                  | 886                    | 5.29                               | \$99.95*    |
| Radeon HD 3850                  | 529                                  | 884                    | NA                                 | NA          |
| Radeon HD 8550G + HD 8570M Dual | 529                                  | 885                    | NA                                 | NA          |
| GeForce GT625M                  | 528                                  | 887                    | NA                                 | NA          |
| Radeon HD 7640G + 6400M Dual    | 526                                  | 888                    | NA                                 | NA          |
| GeForce 710A                    | 524                                  | 889                    | NA                                 | NA          |
| Radeon HD 7520G + 7670M Dual    | 522                                  | 890                    | NA                                 | NA          |
| Radeon HD 8470D                 | 521                                  | 891                    | NA                                 | NA          |
| Radeon HD 8670M                 | 520                                  | 892                    | NA                                 | NA          |
| GeForce 9800M GTX               | 517                                  | 893                    | 1.57                               | \$328.50*   |
| Incredible HD 4000              | 517                                  | 894                    | NA                                 | NA          |
| GeForce 9600 GSO                | 516                                  | 895                    | 10.33                              | \$49.99*    |
| Intel HD P4000                  | 516                                  | 896                    | NA                                 | NA          |
| Radeon HD 6530D                 | 513                                  | 897                    | NA                                 | NA          |
| Mobility Radeon HD 4830         | 511                                  | 898                    | NA                                 | NA          |
| Radeon HD 7640G + 7610M Dual    | 510                                  | 899                    | NA                                 | NA          |
| Radeon HD 7540D                 | 509                                  | 900                    | NA                                 | NA          |
| Radeon HD 7600G + HD 7550M Dual | 509                                  | 901                    | NA                                 | NA          |
| Radeon HD 7620G + 8600M Dual    | 508                                  | 902                    | NA                                 | NA          |
| TRINITY SCRAPPER MOBILE         | 508                                  | 903                    | NA                                 | NA          |
| Radeon HD 7620G + HD 8670M Dual | 507                                  | 904                    | NA                                 | NA          |
| Radeon HD 8510G                 | 505                                  | 905                    | NA                                 | NA          |
| GeForce 9600 GSO 512            | 503                                  | 906                    | NA                                 | NA          |
| GeForce GT 335M                 | 502                                  | 907                    | NA                                 | NA          |
| Radeon R6 A8-8600P              | 501                                  | 908                    | NA                                 | NA          |
| GeForce GT 625M                 | 500                                  | 909                    | NA                                 | NA          |
| Radeon HD8530M                  | 498                                  | 910                    | NA                                 | NA          |
| Radeon HD 7500G + 7550M Dual    | 497                                  | 912                    | NA                                 | NA          |
| SUMO 964A                       | 497                                  | 911                    | NA                                 | NA          |
| ASUS EAH4870x2                  | 496                                  | 913                    | NA                                 | NA          |
| Radeon HD 6520G                 | 486                                  | 916                    | NA                                 | NA          |
| Radeon HD 7520G + 7400M Dual    | 486                                  | 914                    | NA                                 | NA          |
| Radeon HD 7620G                 | 486                                  | 915                    | NA                                 | NA          |
| GeForce 810M                    | 483                                  | 918                    | NA                                 | NA          |
| Radeon HD 8450G + HD 8750M Dual | 483                                  | 917                    | NA                                 | NA          |
| Radeon HD 7600G                 | 479                                  | 919                    | NA                                 | NA          |
| GeForce 9700M GTS               | 478                                  | 922                    | NA                                 | NA          |

| Videocard Name                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Mobility Radeon HD 5000 Serisi     | 478                                  | 920                    | NA                                 | NA          |
| Quadro FX 1800M                    | 478                                  | 921                    | NA                                 | NA          |
| FirePro 3D V3800                   | 475                                  | 924                    | 3.17                               | \$149.99*   |
| GeForce 910M                       | 475                                  | 923                    | NA                                 | NA          |
| GeForce 9800M GT                   | 475                                  | 925                    | NA                                 | NA          |
| GeForce 8800M GTS                  | 474                                  | 927                    | NA                                 | NA          |
| Radeon HD 8450G + 8670M Dual       | 474                                  | 926                    | NA                                 | NA          |
| GeForce GT 420                     | 473                                  | 928                    | 10.29                              | \$45.99*    |
| GeForce GT 230                     | 471                                  | 929                    | 10.71                              | \$43.99*    |
| Radeon HD 7600G + 8500M/8700M Dual | 469                                  | 930                    | NA                                 | NA          |
| Quadro FX 3600M                    | 467                                  | 931                    | NA                                 | NA          |
| Radeon HD 7660D + 7470 Dual        | 465                                  | 932                    | NA                                 | NA          |
| Videocard Name                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| FirePro V5700                      | 464                                  | 934                    | NA                                 | NA          |
| Radeon HD 7550M                    | 464                                  | 933                    | NA                                 | NA          |
| Mobility Radeon HD 4670            | 463                                  | 935                    | NA                                 | NA          |
| GeForce GT 130                     | 457                                  | 936                    | 16.33                              | \$27.99*    |
| Intel HD 4000                      | 456                                  | 937                    | 0.29                               | \$1,592.95* |
| Radeon HD 3850 AGP                 | 454                                  | 938                    | NA                                 | NA          |
| Radeon HD 7520G + 7650M Dual       | 453                                  | 939                    | NA                                 | NA          |
| Radeon HD 8450G + HD 8600M Dual    | 452                                  | 940                    | NA                                 | NA          |
| GeForce 705M                       | 449                                  | 942                    | NA                                 | NA          |
| Radeon HD 7520G                    | 449                                  | 941                    | NA                                 | NA          |
| GeForce 9600 GS                    | 445                                  | 944                    | NA                                 | NA          |
| Radeon HD 7660G + 8600M Dual       | 445                                  | 943                    | NA                                 | NA          |
| Radeon HD 7600G + HD Dual          | 442                                  | 946                    | NA                                 | NA          |
| Radeon HD 7620G + HD 8600M Dual    | 442                                  | 945                    | NA                                 | NA          |
| Radeon R5 Opteron X3216            | 438                                  | 947                    | NA                                 | NA          |
| GeForce GT 625                     | 437                                  | 948                    | NA                                 | NA          |
| Intel HD Family                    | 436                                  | 949                    | NA                                 | NA          |
| Radeon HD 8410G                    | 435                                  | 950                    | NA                                 | NA          |
| Radeon HD 8370D                    | 433                                  | 951                    | NA                                 | NA          |
| Radeon HD 8350G                    | 432                                  | 952                    | NA                                 | NA          |
| GeForce GT 620                     | 430                                  | 954                    | 10.76                              | \$39.99*    |
| Radeon HD 7420G                    | 430                                  | 953                    | NA                                 | NA          |
| GeForce 800A                       | 428                                  | 956                    | NA                                 | NA          |
| Radeon HD 7480D                    | 428                                  | 955                    | NA                                 | NA          |
| Radeon HD 7600G + 7550M Dual       | 423                                  | 957                    | NA                                 | NA          |
| RADEON HD6410D                     | 422                                  | 958                    | NA                                 | NA          |
| GeForce GT 705                     | 421                                  | 959                    | NA                                 | NA          |
| Intel 4th Generation Haswell HD    | 419                                  | 960                    | NA                                 | NA          |
| Radeon HD 8450G                    | 413                                  | 961                    | NA                                 | NA          |
| Radeon HD 7500G                    | 412                                  | 962                    | NA                                 | NA          |
| Intel UHD 605                      | 410                                  | 963                    | NA                                 | NA          |
| Mobile Intel HD                    | 410                                  | 964                    | NA                                 | NA          |
| Radeon HD 7470M                    | 407                                  | 965                    | NA                                 | NA          |
| Radeon HD 6480G                    | 406                                  | 966                    | NA                                 | NA          |
| GeForce GT 520MX                   | 405                                  | 967                    | NA                                 | NA          |
| RADEON E4690                       | 405                                  | 969                    | NA                                 | NA          |

| Videocard Name                        | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|---------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon HD 7600G + 7500M/7600M Dual    | 405                                  | 968                    | NA                                 | NA          |
| GeForce 610M                          | 404                                  | 970                    | NA                                 | NA          |
| Quadro 410                            | 402                                  | 971                    | 3.36                               | \$119.98    |
| Intel HD 5300                         | 401                                  | 973                    | NA                                 | NA          |
| Mobility Radeon HD 4650               | 401                                  | 972                    | NA                                 | NA          |
| Radeon R4                             | 397                                  | 974                    | NA                                 | NA          |
| PHDGD Ivy 4                           | 394                                  | 975                    | NA                                 | NA          |
| Radeon HD 7600G + 7450M Dual          | 389                                  | 976                    | NA                                 | NA          |
| Radeon HD 6410D                       | 388                                  | 977                    | NA                                 | NA          |
| GeForce GT 520M                       | 381                                  | 978                    | 6.36                               | \$59.99*    |
| Radeon HD 6490M                       | 380                                  | 979                    | 0.32                               | \$1,193.03* |
| Radeon HD 8490                        | 379                                  | 980                    | NA                                 | NA          |
| Radeon R7 A8-7680                     | 377                                  | 981                    | NA                                 | NA          |
| Videocard Name                        | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| VirtualBox Adapter for Windows 8+     | 375                                  | 982                    | NA                                 | NA          |
| Radeon R3                             | 372                                  | 983                    | NA                                 | NA          |
| Radeon R5 235                         | 371                                  | 984                    | 1.44                               | \$257.99    |
| Radeon R5 235X                        | 367                                  | 985                    | NA                                 | NA          |
| GeForce GT 520                        | 366                                  | 986                    | 6.10                               | \$59.99*    |
| Intel UHD 600                         | 365                                  | 987                    | NA                                 | NA          |
| Mobility Radeon HD 3850               | 365                                  | 988                    | NA                                 | NA          |
| NVS 4200M                             | 365                                  | 990                    | NA                                 | NA          |
| Radeon HD8490                         | 365                                  | 989                    | NA                                 | NA          |
| Radeon HD 7470                        | 362                                  | 991                    | NA                                 | NA          |
| GeForce GT 330M                       | 361                                  | 992                    | NA                                 | NA          |
| Radeon HD 8400                        | 357                                  | 993                    | NA                                 | NA          |
| NVS 5100M                             | 356                                  | 994                    | NA                                 | NA          |
| Radeon HD 7500G + HD 7500M/7600M Dual | 355                                  | 995                    | NA                                 | NA          |
| Quadro FX 880M                        | 354                                  | 996                    | NA                                 | NA          |
| Mobility Radeon HD 565v               | 353                                  | 997                    | NA                                 | NA          |
| GeForce 410M                          | 351                                  | 1000                   | NA                                 | NA          |
| GeForce GT 610                        | 351                                  | 999                    | 8.78                               | \$39.99*    |
| Intel HD P3000                        | 351                                  | 998                    | NA                                 | NA          |
| GeForce GT 240M                       | 350                                  | 1001                   | NA                                 | NA          |
| Radeon HD 7580D                       | 350                                  | 1002                   | NA                                 | NA          |
| GeForce GT 220                        | 349                                  | 1003                   | 4.37                               | \$79.99*    |
| NVS 315                               | 347                                  | 1004                   | 6.68                               | \$51.99     |
| FirePro 3D V3750                      | 343                                  | 1005                   | 6.75                               | \$50.88*    |
| Radeon HD 8470                        | 343                                  | 1006                   | NA                                 | NA          |
| FireGL V5600                          | 341                                  | 1007                   | NA                                 | NA          |
| Radeon HD 8400E                       | 339                                  | 1008                   | NA                                 | NA          |
| Radeon R5E                            | 338                                  | 1009                   | NA                                 | NA          |
| Radeon R5 310                         | 337                                  | 1010                   | 0.68                               | \$499.00    |
| Radeon HD 8330                        | 335                                  | 1011                   | NA                                 | NA          |
| Radeon HD 4650                        | 334                                  | 1012                   | 2.68                               | \$124.99*   |
| GeForce GT 230M                       | 332                                  | 1013                   | NA                                 | NA          |
| Radeon HD 7450M                       | 329                                  | 1014                   | NA                                 | NA          |
| Radeon HD 7400G                       | 323                                  | 1015                   | NA                                 | NA          |
| Radeon HD 8330E                       | 323                                  | 1016                   | NA                                 | NA          |



| Videocard Name                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| GeForce 605                        | 321                                  | 1018                   | 3.28                               | \$97.99*    |
| Radeon HD 8280E                    | 321                                  | 1017                   | NA                                 | NA          |
| RADEON HD6370D                     | 320                                  | 1019                   | NA                                 | NA          |
| GeForce GT 415M                    | 319                                  | 1020                   | NA                                 | NA          |
| Radeon HD 8280                     | 319                                  | 1021                   | NA                                 | NA          |
| GeForce 9700M GT                   | 318                                  | 1022                   | NA                                 | NA          |
| Mobility Radeon HD 560v            | 318                                  | 1023                   | NA                                 | NA          |
| Intel HD 3000                      | 313                                  | 1024                   | 0.33                               | \$945.00*   |
| Radeon HD 6470M                    | 312                                  | 1025                   | 0.55                               | \$569.99*   |
| Radeon HD 7520G + 8600/8700M Dual  | 311                                  | 1026                   | NA                                 | NA          |
| GeForce 510                        | 310                                  | 1027                   | 4.44                               | \$69.99*    |
| Radeon HD 7450                     | 309                                  | 1028                   | 3.64                               | \$84.99*    |
| Radeon E                           | 307                                  | 1029                   | 7.16                               | \$42.99     |
| Radeon HD 6370D                    | 307                                  | 1030                   | NA                                 | NA          |
| Videocard Name                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Quadro FX 3500M                    | 306                                  | 1031                   | 3.06                               | \$99.99*    |
| GeForce 7900 GTX                   | 305                                  | 1032                   | NA                                 | NA          |
| Radeon R2                          | 302                                  | 1033                   | NA                                 | NA          |
| Quadro FX 1700M                    | 300                                  | 1034                   | NA                                 | NA          |
| Radeon HD 6380G                    | 299                                  | 1035                   | 0.75                               | \$399.99*   |
| GRID K120Q                         | 298                                  | 1036                   | NA                                 | NA          |
| Quadro FX 770M                     | 298                                  | 1037                   | 0.57                               | \$527.00*   |
| GeForce GT 130M                    | 297                                  | 1038                   | NA                                 | NA          |
| GeForce 9600M GT / GeForce GT 220M | 293                                  | 1040                   | NA                                 | NA          |
| GeForce GT 325M                    | 293                                  | 1039                   | NA                                 | NA          |
| NVS 310                            | 292                                  | 1041                   | 3.36                               | \$87.04     |
| Radeon HD 2900 GT                  | 292                                  | 1042                   | NA                                 | NA          |
| Radeon HD 7450A                    | 288                                  | 1043                   | NA                                 | NA          |
| GeForce GT 120                     | 287                                  | 1044                   | 8.34                               | \$34.49*    |
| GeForce 8600 GTS                   | 285                                  | 1045                   | NA                                 | NA          |
| Mobility Radeon HD 5165            | 284                                  | 1046                   | NA                                 | NA          |
| Radeon HD 2600 XT                  | 283                                  | 1047                   | NA                                 | NA          |
| Radeon HD 7350                     | 279                                  | 1048                   | NA                                 | NA          |
| Radeon HD 8240                     | 278                                  | 1049                   | NA                                 | NA          |
| GeForce 9500 GS                    | 277                                  | 1050                   | NA                                 | NA          |
| Radeon HD 6450                     | 277                                  | 1051                   | 5.23                               | \$52.99*    |
| Radeon HD 6370M                    | 275                                  | 1052                   | NA                                 | NA          |
| GeForce 9500 GT                    | 272                                  | 1053                   | 3.17                               | \$85.99*    |
| GeForce 320M                       | 271                                  | 1054                   | NA                                 | NA          |
| GeForce 9650M GS                   | 270                                  | 1055                   | NA                                 | NA          |
| Quadro FX 580                      | 269                                  | 1057                   | 2.99                               | \$89.99     |
| Radeon HD 8280G                    | 269                                  | 1056                   | NA                                 | NA          |
| Radeon HD 5470                     | 268                                  | 1058                   | NA                                 | NA          |
| GeForce GT 120M                    | 267                                  | 1059                   | NA                                 | NA          |
| Mobility Radeon HD 550v            | 266                                  | 1060                   | NA                                 | NA          |
| Radeon HD 8350                     | 265                                  | 1061                   | 1.89                               | \$139.99*   |
| EAH6450                            | 264                                  | 1062                   | NA                                 | NA          |
| GeForce 7950 GT                    | 264                                  | 1063                   | 2.30                               | \$114.95*   |
| GeForce Go 7950 GTX                | 263                                  | 1064                   | NA                                 | NA          |

| Videocard Name                             | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--------------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Wine Display Adapter                       | 261                                  | 1065                   | NA                                 | NA          |
| Radeon HD 6450A                            | 260                                  | 1066                   | NA                                 | NA          |
| GeForce 9600M GT                           | 259                                  | 1067                   | NA                                 | NA          |
| GeForce 7900 GT                            | 258                                  | 1069                   | NA                                 | NA          |
| GeForce GT 220M                            | 258                                  | 1068                   | NA                                 | NA          |
| Radeon HD 8250                             | 257                                  | 1070                   | NA                                 | NA          |
| Radeon R2E                                 | 257                                  | 1071                   | NA                                 | NA          |
| Radeon R3E                                 | 256                                  | 1072                   | NA                                 | NA          |
| Radeon HD 6300M                            | 255                                  | 1073                   | NA                                 | NA          |
| GeForce 9650M GT                           | 253                                  | 1074                   | NA                                 | NA          |
| Radeon HD 8210                             | 251                                  | 1075                   | NA                                 | NA          |
| GeForce 315                                | 249                                  | 1076                   | 7.57                               | \$32.99*    |
| GeForce 7900 GT/GTO                        | 246                                  | 1077                   | NA                                 | NA          |
| GeForce 8600 GT                            | 241                                  | 1078                   | NA                                 | NA          |
| Radeon HD 3670                             | 241                                  | 1079                   | NA                                 | NA          |
| Videocard Name                             | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Quadro FX 5500                             | 240                                  | 1080                   | 0.76                               | \$315.99*   |
| Quadro 400                                 | 238                                  | 1081                   | 5.96                               | \$39.99     |
| Mobility Radeon HD 5470                    | 236                                  | 1082                   | NA                                 | NA          |
| Radeon HD 4550                             | 236                                  | 1083                   | 1.86                               | \$126.99*   |
| KB 2C                                      | 235                                  | 1085                   | NA                                 | NA          |
| Radeon R5 230                              | 235                                  | 1084                   | 5.45                               | \$43.16     |
| Radeon R5 220                              | 233                                  | 1086                   | NA                                 | NA          |
| GeForce 9600M GS                           | 231                                  | 1089                   | NA                                 | NA          |
| Mobility Radeon HD 3670                    | 231                                  | 1088                   | NA                                 | NA          |
| Radeon HD 5450                             | 231                                  | 1087                   | 1.72                               | \$134.30    |
| HD6450                                     | 227                                  | 1090                   | NA                                 | NA          |
| FirePro 2270                               | 226                                  | 1091                   | 2.16                               | \$105.06*   |
| GeForce 7800 GTX                           | 223                                  | 1092                   | NA                                 | NA          |
| Radeon HD 7340M                            | 221                                  | 1093                   | NA                                 | NA          |
| A6 Micro-6500T Quad-Core APU with RadeonR4 | 220                                  | 1094                   | NA                                 | NA          |
| Mobility FireGL V5725                      | 219                                  | 1095                   | NA                                 | NA          |
| GeForce 7900 GS                            | 218                                  | 1096                   | NA                                 | NA          |
| Radeon HD 6320 Graphic                     | 216                                  | 1097                   | NA                                 | NA          |
| FirePro 2460                               | 215                                  | 1098                   | 0.80                               | \$269.99*   |
| Mobility Radeon. HD 5470                   | 215                                  | 1099                   | NA                                 | NA          |
| Mobility Radeon HD 5450                    | 214                                  | 1101                   | NA                                 | NA          |
| Quadro FX 1600M                            | 214                                  | 1102                   | 1.43                               | \$149.90*   |
| Quadro FX 2500M                            | 214                                  | 1100                   | 2.15                               | \$99.99*    |
| GeForce 405                                | 212                                  | 1103                   | 8.63                               | \$24.64*    |
| Intel 2nd Generation SandyBridge HD        | 212                                  | 1104                   | NA                                 | NA          |
| Mobility Radeon HD 3650                    | 211                                  | 1108                   | NA                                 | NA          |
| Radeon HD 2600 PRO                         | 211                                  | 1107                   | NA                                 | NA          |
| Radeon HD 6230                             | 211                                  | 1105                   | NA                                 | NA          |
| RADEON HD 6350                             | 211                                  | 1106                   | 4.15                               | \$50.99*    |
| GeForce 310M                               | 210                                  | 1109                   | NA                                 | NA          |
| GeForce Go 7800 GTX                        | 209                                  | 1110                   | NA                                 | NA          |
| GeForce 315M                               | 208                                  | 1111                   | NA                                 | NA          |

| Videocard Name             | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|----------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Quadro FX 3500             | 208                                  | 1112                   | 1.60                               | \$129.98*   |
| Radeon HD 4650 AGP         | 207                                  | 1114                   | NA                                 | NA          |
| Radeon HD 7340             | 207                                  | 1113                   | 0.38                               | \$552.69*   |
| GeForce 8700M GT           | 206                                  | 1115                   | NA                                 | NA          |
| Quadro FX 4500             | 206                                  | 1116                   | 0.83                               | \$249.00*   |
| Quadro NVS 320M            | 206                                  | 1117                   | NA                                 | NA          |
| GeForce GT 320M            | 205                                  | 1118                   | NA                                 | NA          |
| NVS 3100M                  | 203                                  | 1119                   | NA                                 | NA          |
| GeForce 310                | 202                                  | 1120                   | 1.87                               | \$108.35*   |
| Radeon HD 6320             | 202                                  | 1121                   | 0.36                               | \$554.99*   |
| Quadro FX 380M             | 201                                  | 1122                   | NA                                 | NA          |
| GeForce G210M              | 199                                  | 1124                   | NA                                 | NA          |
| Mobility Radeon HD 545v    | 199                                  | 1123                   | NA                                 | NA          |
| Radeon HD 6320M            | 198                                  | 1125                   | NA                                 | NA          |
| GeForce 7950 GX2           | 197                                  | 1126                   | 3.59                               | \$54.99*    |
| Mobility Radeon HD 4570    | 196                                  | 1127                   | NA                                 | NA          |
| Radeon HD 7340G            | 196                                  | 1128                   | NA                                 | NA          |
| Videocard Name             | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| GeForce 7800 GT            | 195                                  | 1129                   | 2.45                               | \$80.00*    |
| Radeon HD 8180             | 195                                  | 1130                   | NA                                 | NA          |
| Intel Infoshock HD         | 193                                  | 1131                   | NA                                 | NA          |
| Mobility Radeon HD 2600 XT | 193                                  | 1133                   | NA                                 | NA          |
| Quadro FX 1700             | 193                                  | 1132                   | 6.45                               | \$29.99     |
| Radeon HD 6430M            | 192                                  | 1134                   | NA                                 | NA          |
| GeForce 505                | 191                                  | 1136                   | NA                                 | NA          |
| Mobility Radeon HD 4550    | 191                                  | 1135                   | NA                                 | NA          |
| GeForce 305M               | 190                                  | 1137                   | NA                                 | NA          |
| Quadro FX 380 LP           | 189                                  | 1138                   | NA                                 | NA          |
| Mobility Radeon HD 540v    | 188                                  | 1139                   | NA                                 | NA          |
| GeForce 9400 GT            | 186                                  | 1140                   | 2.34                               | \$79.99*    |
| Quadro FX 570M             | 185                                  | 1141                   | NA                                 | NA          |
| NVS 2100M                  | 184                                  | 1142                   | NA                                 | NA          |
| NVS 300                    | 183                                  | 1143                   | 2.62                               | \$69.98*    |
| GeForce 7600 GT            | 182                                  | 1144                   | 2.14                               | \$84.95*    |
| Mobility Radeon HD 5430    | 181                                  | 1145                   | NA                                 | NA          |
| Radeon HD 7310G            | 180                                  | 1146                   | NA                                 | NA          |
| FireGL V3600               | 179                                  | 1147                   | 1.12                               | \$160.99*   |
| GeForce 9500M GS           | 179                                  | 1148                   | NA                                 | NA          |
| GeForce G105M              | 179                                  | 1149                   | NA                                 | NA          |
| FirePro 3D V3700           | 178                                  | 1150                   | 2.10                               | \$84.99*    |
| GeForce 7800 GS            | 177                                  | 1151                   | NA                                 | NA          |
| GeForce Go 7900 GS         | 176                                  | 1152                   | NA                                 | NA          |
| Mobility Radeon HD 530v    | 174                                  | 1153                   | NA                                 | NA          |
| GeForce 210                | 171                                  | 1154                   | 4.91                               | \$34.99     |
| Quadro FX 1500M            | 171                                  | 1156                   | NA                                 | NA          |
| Radeon HD 7310             | 171                                  | 1155                   | NA                                 | NA          |
| GeForce G210               | 170                                  | 1157                   | 2.69                               | \$63.13*    |
| Radeon HD 6310             | 170                                  | 1158                   | NA                                 | NA          |
| GeForce 8600M GT           | 168                                  | 1159                   | NA                                 | NA          |

| Videocard Name                   | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|----------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Mobility Radeon HD 2600          | 168                                  | 1160                   | NA                                 | NA          |
| Radeon HD 4350                   | 167                                  | 1161                   | 2.74                               | \$61.10*    |
| GeForce 9500M G                  | 166                                  | 1162                   | NA                                 | NA          |
| Radeon HD 7310M                  | 166                                  | 1163                   | NA                                 | NA          |
| Intel HD manual-gen9_2015-133271 | 165                                  | 1164                   | NA                                 | NA          |
| GeForce Go 7600 GT               | 163                                  | 1165                   | NA                                 | NA          |
| Intel Haswell HD - GT2           | 160                                  | 1166                   | NA                                 | NA          |
| Radeon HD 4330                   | 159                                  | 1167                   | NA                                 | NA          |
| Quadro FX 1500                   | 156                                  | 1168                   | 1.36                               | \$115.01    |
| Radeon HD 4300/4500 Serisi       | 155                                  | 1169                   | NA                                 | NA          |
| Radeon X1950 CrossFire Edition   | 151                                  | 1170                   | NA                                 | NA          |
| Radeon HD 3650 AGP               | 150                                  | 1171                   | NA                                 | NA          |
| Mobility Radeon HD 4350          | 148                                  | 1174                   | NA                                 | NA          |
| Quadro FX 3450                   | 148                                  | 1172                   | 1.24                               | \$119.99*   |
| Quadro FX 380                    | 148                                  | 1173                   | 2.05                               | \$72.50*    |
| GeForce Go 7700                  | 147                                  | 1175                   | NA                                 | NA          |
| Radeon HD 3470                   | 145                                  | 1177                   | NA                                 | NA          |
| Radeon X1900 GT                  | 145                                  | 1176                   | NA                                 | NA          |
| Videocard Name                   | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| GeForce 6800 GT                  | 142                                  | 1178                   | NA                                 | NA          |
| GeForce 8600 GS                  | 141                                  | 1179                   | NA                                 | NA          |
| Radeon HD 4290                   | 141                                  | 1180                   | NA                                 | NA          |
| nForce 760i SLI                  | 140                                  | 1183                   | NA                                 | NA          |
| Radeon HD 6290M                  | 140                                  | 1182                   | NA                                 | NA          |
| Radeon X1800 GTO                 | 140                                  | 1181                   | NA                                 | NA          |
| GeForce 9400                     | 139                                  | 1184                   | NA                                 | NA          |
| Radeon HD 7290                   | 139                                  | 1185                   | NA                                 | NA          |
| GeForce 6800 Ultra               | 138                                  | 1186                   | NA                                 | NA          |
| Radeon HD 6290                   | 138                                  | 1187                   | NA                                 | NA          |
| GeForce Go 6800 Ultra            | 137                                  | 1188                   | NA                                 | NA          |
| Radeon X1900 CrossFire Edition   | 137                                  | 1189                   | NA                                 | NA          |
| GeForce 6800 GS                  | 136                                  | 1191                   | NA                                 | NA          |
| GeForce 8500 GT                  | 136                                  | 1190                   | NA                                 | NA          |
| Mobility Radeon HD 4330          | 135                                  | 1192                   | NA                                 | NA          |
| GeForce 7600 GS                  | 134                                  | 1194                   | 1.58                               | \$84.99*    |
| GeForce 7650 GS                  | 134                                  | 1195                   | NA                                 | NA          |
| Mobility Radeon X1900            | 134                                  | 1193                   | NA                                 | NA          |
| Quadro FX 3450/4000 SDI          | 133                                  | 1196                   | NA                                 | NA          |
| MOBILITY RADEON X1800            | 130                                  | 1197                   | NA                                 | NA          |
| GeForce 9300 / nForce 730i       | 129                                  | 1198                   | NA                                 | NA          |
| GeForce G200                     | 129                                  | 1199                   | NA                                 | NA          |
| FireGL V7300                     | 128                                  | 1200                   | 0.11                               | \$1,189.99* |
| GeForce Go 7600                  | 128                                  | 1201                   | NA                                 | NA          |
| All-in-Wonder X1900              | 127                                  | 1202                   | NA                                 | NA          |
| GeForce 205                      | 126                                  | 1205                   | NA                                 | NA          |
| GeForce 9300                     | 126                                  | 1203                   | NA                                 | NA          |
| Radeon HD 3300                   | 126                                  | 1204                   | NA                                 | NA          |
| GeForce 9400M G                  | 124                                  | 1206                   | NA                                 | NA          |
| GeForce 8600M GS                 | 123                                  | 1207                   | NA                                 | NA          |

| Videocard Name                          | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|-----------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Radeon HD 7290M                         | 123                                  | 1208                   | NA                                 | NA          |
| Radeon HD 4250                          | 122                                  | 1209                   | NA                                 | NA          |
| Radeon HD 2400                          | 120                                  | 1210                   | NA                                 | NA          |
| Radeon HD 2400 XT                       | 119                                  | 1212                   | NA                                 | NA          |
| Radeon HD 6250                          | 119                                  | 1211                   | NA                                 | NA          |
| GeForce 9400M                           | 118                                  | 1215                   | NA                                 | NA          |
| Intel Haswell HD - GT1                  | 118                                  | 1213                   | NA                                 | NA          |
| Radeon HD 3450                          | 118                                  | 1216                   | 1.62                               | \$72.99*    |
| RV530 PRO                               | 118                                  | 1214                   | NA                                 | NA          |
| FireMV 2260                             | 117                                  | 1217                   | 1.12                               | \$104.99*   |
| Mobile Intel 45 Express-Chipsatzfamilie | 117                                  | 1218                   | NA                                 | NA          |
| Intel Media Accelerator HD              | 116                                  | 1220                   | NA                                 | NA          |
| Radeon X1700 Targa Edition              | 116                                  | 1219                   | NA                                 | NA          |
| Quadro FX 570                           | 115                                  | 1221                   | 0.75                               | \$154.01    |
| Radeon X1600 XT                         | 115                                  | 1222                   | NA                                 | NA          |
| FireGL V5200                            | 114                                  | 1223                   | NA                                 | NA          |
| Radeon HD 2400 Pro                      | 114                                  | 1224                   | NA                                 | NA          |
| FireGL V7200                            | 113                                  | 1225                   | NA                                 | NA          |
| FirePro 2260                            | 113                                  | 1228                   | NA                                 | NA          |
| Videocard Name                          | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| PHDGD Quantic C3                        | 113                                  | 1227                   | NA                                 | NA          |
| Quadro FX 560                           | 113                                  | 1226                   | 0.76                               | \$150.25*   |
| Radeon X1950 Pro                        | 113                                  | 1229                   | NA                                 | NA          |
| GeForce 6800                            | 112                                  | 1232                   | 2.82                               | \$39.99*    |
| GeForce 8400 GS                         | 112                                  | 1230                   | 2.82                               | \$39.99     |
| GeForce G 105M                          | 112                                  | 1233                   | NA                                 | NA          |
| Intel HD Modded                         | 112                                  | 1234                   | NA                                 | NA          |
| Sapphire RADEON X800 GT                 | 112                                  | 1231                   | NA                                 | NA          |
| GeForce Go 7800                         | 111                                  | 1236                   | NA                                 | NA          |
| Radeon HD 4200                          | 111                                  | 1235                   | NA                                 | NA          |
| Radeon HD 4270                          | 111                                  | 1237                   | NA                                 | NA          |
| FireGL V7350                            | 110                                  | 1238                   | 0.07                               | \$1,523.99* |
| GeForce 999 GTX                         | 110                                  | 1239                   | NA                                 | NA          |
| Radeon HD 2600 Pro AGP                  | 110                                  | 1240                   | NA                                 | NA          |
| GeForce 6800 LE                         | 109                                  | 1242                   | NA                                 | NA          |
| VIA/S3G Chrome 645/640 GPU              | 109                                  | 1243                   | NA                                 | NA          |
| XFX Radeon HD 4650 AGP                  | 109                                  | 1241                   | NA                                 | NA          |
| GeForce 7300 GT                         | 108                                  | 1244                   | 0.72                               | \$149.99*   |
| Quadro FX 370 LP                        | 108                                  | 1245                   | NA                                 | NA          |
| GeForce Go 6800                         | 106                                  | 1247                   | NA                                 | NA          |
| Radeon X1950 GT                         | 106                                  | 1246                   | NA                                 | NA          |
| GeForce G 103M                          | 105                                  | 1249                   | NA                                 | NA          |
| GeForce9400M                            | 105                                  | 1248                   | NA                                 | NA          |
| M880G with Mobility Radeon HD 4250      | 104                                  | 1252                   | NA                                 | NA          |
| Mobility Radeon X1700                   | 104                                  | 1250                   | NA                                 | NA          |
| Quadro FX 3400/4400                     | 104                                  | 1251                   | NA                                 | NA          |
| FireGL V3400                            | 103                                  | 1255                   | NA                                 | NA          |
| GeForce 9500M                           | 103                                  | 1253                   | NA                                 | NA          |
| Quadro FX 1400                          | 103                                  | 1254                   | NA                                 | NA          |

| Videocard Name                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| GeForce 6800 GS/XT                 | 102                                  | 1256                   | NA                                 | NA          |
| GeForce 6600 GT                    | 101                                  | 1259                   | 1.57                               | \$64.95*    |
| GeForce 6800 XT                    | 101                                  | 1260                   | NA                                 | NA          |
| GeForce 9300 GE                    | 101                                  | 1261                   | 4.40                               | \$22.99*    |
| Mobility Radeon HD 2400 XT         | 101                                  | 1257                   | NA                                 | NA          |
| Quadro FX Go1400                   | 101                                  | 1258                   | NA                                 | NA          |
| GeForce 8400                       | 100                                  | 1262                   | 1.45                               | \$69.78*    |
| GeForce G100                       | 99                                   | 1264                   | 4.99                               | \$19.99*    |
| Quadro NVS 420                     | 99                                   | 1263                   | 1.23                               | \$80.99     |
| GeForce 6700 XL                    | 98                                   | 1266                   | NA                                 | NA          |
| GeForce 8400M GT                   | 98                                   | 1269                   | NA                                 | NA          |
| Mobility Radeon HD 4250            | 98                                   | 1268                   | NA                                 | NA          |
| Radeon 3000                        | 98                                   | 1267                   | 1.61                               | \$60.99*    |
| Radeon X1600 Pro                   | 98                                   | 1265                   | NA                                 | NA          |
| GeForce 9300GE                     | 97                                   | 1272                   | NA                                 | NA          |
| ION                                | 97                                   | 1270                   | 0.43                               | \$229.99*   |
| ION LE                             | 97                                   | 1271                   | NA                                 | NA          |
| Mobility Radeon HD 3430            | 97                                   | 1274                   | NA                                 | NA          |
| RADEON X800 XT                     | 97                                   | 1273                   | NA                                 | NA          |
| Mobility Radeon HD serie 4200      | 96                                   | 1276                   | NA                                 | NA          |
| Videocard Name                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Quadro NVS 295                     | 96                                   | 1275                   | 6.45                               | \$14.99     |
| GeForce 9300M GS                   | 94                                   | 1278                   | NA                                 | NA          |
| GeForce G102M                      | 94                                   | 1279                   | NA                                 | NA          |
| MEDION RADEON X740XL               | 94                                   | 1277                   | NA                                 | NA          |
| Mobility Radeon HD 3470            | 93                                   | 1281                   | NA                                 | NA          |
| Mobility Radeon HD 3470 Hybrid X2  | 93                                   | 1280                   | NA                                 | NA          |
| Quadro FX 370M                     | 93                                   | 1282                   | NA                                 | NA          |
| Quadro NVS 150M                    | 93                                   | 1283                   | NA                                 | NA          |
| FireGL V5100                       | 92                                   | 1286                   | NA                                 | NA          |
| M880G with Mobility Radeon HD 4200 | 92                                   | 1285                   | NA                                 | NA          |
| Mobility Radeon HD 4270            | 92                                   | 1284                   | NA                                 | NA          |
| Mobility Radeon X1600              | 92                                   | 1288                   | NA                                 | NA          |
| nForce 780a SLI                    | 92                                   | 1289                   | NA                                 | NA          |
| Quadro NVS 160M                    | 92                                   | 1287                   | NA                                 | NA          |
| GeForce 8300                       | 91                                   | 1294                   | 4.04                               | \$22.68*    |
| GeForce 9300 GS                    | 91                                   | 1291                   | 1.53                               | \$59.95*    |
| GeForce G205M                      | 91                                   | 1292                   | NA                                 | NA          |
| Mobility Radeon HD 3450            | 91                                   | 1295                   | NA                                 | NA          |
| Mobility Radeon HD 4200            | 91                                   | 1297                   | NA                                 | NA          |
| Quadro NVS 290                     | 91                                   | 1296                   | 3.66                               | \$24.88     |
| Quadro NVS 450                     | 91                                   | 1293                   | 0.54                               | \$168.00*   |
| RADEON X600XT                      | 91                                   | 1290                   | NA                                 | NA          |
| Quadro NVS 140M                    | 90                                   | 1298                   | NA                                 | NA          |
| Mobility Radeon HD 2400            | 89                                   | 1299                   | NA                                 | NA          |
| GeForce 6610 XL                    | 88                                   | 1300                   | NA                                 | NA          |
| Quadro FX 360M                     | 87                                   | 1301                   | NA                                 | NA          |
| Quadro FX 350                      | 85                                   | 1302                   | NA                                 | NA          |
| ALL-IN-WONDER X800 GT              | 84                                   | 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) |
|------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|----------------|
| FireGL V3200                       | 84                                      | 1304                      | NA                                    | NA             |
| GeForce 9200M GS                   | 84                                      | 1306                      | NA                                    | NA             |
| GeForce 9300M G                    | 84                                      | 1305                      | NA                                    | NA             |
| Radeon X1300 PRO                   | 84                                      | 1303                      | NA                                    | NA             |
| Radeon X1650 Pro                   | 84                                      | 1309                      | 0.52                                  | \$160.89*      |
| RADEON X800 GT                     | 84                                      | 1308                      | NA                                    | NA             |
| nForce 750a SLI                    | 83                                      | 1311                      | NA                                    | NA             |
| Quadro FX 370                      | 83                                      | 1310                      | 0.90                                  | \$92.75*       |
| GeForce 8100 / nForce 720a         | 82                                      | 1312                      | NA                                    | NA             |
| GeForce 9100                       | 82                                      | 1314                      | NA                                    | NA             |
| Radeon HD 3200                     | 82                                      | 1313                      | NA                                    | NA             |
| GeForce 8400M GS                   | 81                                      | 1315                      | 5.47                                  | \$14.99*       |
| GeForce 9200M GE                   | 81                                      | 1320                      | NA                                    | NA             |
| MOBILITY FireGL V5000              | 81                                      | 1318                      | NA                                    | NA             |
| Mobility Radeon 4100               | 81                                      | 1321                      | NA                                    | NA             |
| Mobility Radeon X2500              | 81                                      | 1317                      | NA                                    | NA             |
| nForce 980a/780a SLI               | 81                                      | 1319                      | NA                                    | NA             |
| RADEON X850 XT                     | 81                                      | 1322                      | NA                                    | NA             |
| RADEON X850 XT Platinum Edition    | 81                                      | 1316                      | NA                                    | NA             |
| GeForce 9200                       | 80                                      | 1324                      | NA                                    | NA             |
| Quadro FX 540                      | 80                                      | 1323                      | 1.35                                  | \$59.99*       |
| Videocard Name                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD) |
| GeForce 8200                       | 79                                      | 1325                      | NA                                    | NA             |
| RADEON X800GT                      | 79                                      | 1326                      | NA                                    | NA             |
| Radeon HD 2350                     | 76                                      | 1328                      | NA                                    | NA             |
| RADEON X800 GTO                    | 76                                      | 1327                      | NA                                    | NA             |
| M860G with Mobility Radeon 4100    | 75                                      | 1330                      | NA                                    | NA             |
| RADEON X700 PRO                    | 75                                      | 1329                      | NA                                    | NA             |
| GeForce 7350 LE                    | 74                                      | 1333                      | NA                                    | NA             |
| GeForce 9100M G                    | 74                                      | 1331                      | NA                                    | NA             |
| Radeon X1650 GTO                   | 74                                      | 1332                      | NA                                    | NA             |
| Radeon 3100                        | 73                                      | 1334                      | 0.49                                  | \$149.99       |
| RADEON X700                        | 73                                      | 1335                      | NA                                    | NA             |
| RADEON X800 PRO/GTO                | 73                                      | 1336                      | NA                                    | NA             |
| RADEON X850 PRO                    | 72                                      | 1337                      | NA                                    | NA             |
| Intel G41 Express Chipset v2       | 71                                      | 1338                      | NA                                    | NA             |
| M880G with Mobility Radeon HD 4225 | 71                                      | 1339                      | NA                                    | NA             |
| Radeon X1650 SE                    | 71                                      | 1341                      | NA                                    | NA             |
| RADEON X700 SE                     | 71                                      | 1340                      | NA                                    | NA             |
| FireGL V3300                       | 70                                      | 1343                      | NA                                    | NA             |
| Radeon X550XTX                     | 70                                      | 1342                      | NA                                    | NA             |
| GeForce 7500 LE                    | 69                                      | 1347                      | NA                                    | NA             |
| GeForce Go 6600                    | 69                                      | 1348                      | NA                                    | NA             |
| Intel G45/G43 Express Chipset      | 69                                      | 1344                      | NA                                    | NA             |
| Quadro FX 3000                     | 69                                      | 1349                      | 0.41                                  | \$166.60*      |
| Radeon X1600 Pro / X1300XT         | 69                                      | 1346                      | NA                                    | NA             |
| RADEON X800 XL                     | 69                                      | 1345                      | NA                                    | NA             |
| GeForce 8400 SE                    | 68                                      | 1350                      | NA                                    | NA             |
| 256MB RADEON X600                  | 67                                      | 1352                      | NA                                    | NA             |



| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|----------------------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Matrox G200eR WDDM 1.2                             | 67                                   | 1351                   | NA                                 | NA          |
| 128MB DDR Radeon 9800 Pro                          | 66                                   | 1360                   | NA                                 | NA          |
| FireGL V3350                                       | 66                                   | 1353                   | NA                                 | NA          |
| GeForce 7300 GS                                    | 66                                   | 1354                   | NA                                 | NA          |
| GeForce 8300 GS                                    | 66                                   | 1357                   | NA                                 | NA          |
| Intel Q45/Q43 Express Chipset                      | 66                                   | 1358                   | NA                                 | NA          |
| Mobility Radeon HD 4225                            | 66                                   | 1359                   | NA                                 | NA          |
| MOBILITY RADEON X700                               | 66                                   | 1355                   | NA                                 | NA          |
| PHDGD Quebec 4.0 for Intel Q45/Q43 Express Chipset | 66                                   | 1356                   | NA                                 | NA          |
| Radeon X1550                                       | 65                                   | 1361                   | 0.58                               | \$113.00*   |
| RADEON X800 PRO                                    | 64                                   | 1362                   | NA                                 | NA          |
| Intel B43 Express Chipset                          | 63                                   | 1364                   | NA                                 | NA          |
| Intel G41 Express Chipset                          | 63                                   | 1365                   | NA                                 | NA          |
| Quadro FX 550                                      | 63                                   | 1363                   | NA                                 | NA          |
| GeForce 6600                                       | 62                                   | 1367                   | NA                                 | NA          |
| GeForce Go 7400                                    | 62                                   | 1368                   | NA                                 | NA          |
| MOBILITY FireGL V3200                              | 62                                   | 1370                   | NA                                 | NA          |
| Mobility Radeon HD 3410                            | 62                                   | 1366                   | NA                                 | NA          |
| Quadro FX 350M                                     | 62                                   | 1369                   | NA                                 | NA          |
| SAPPHIRE Radeon X1550                              | 61                                   | 1371                   | NA                                 | NA          |
| Radeon 2100                                        | 60                                   | 1372                   | 0.53                               | \$114.99    |
| FireGL X1                                          | 59                                   | 1378                   | NA                                 | NA          |
| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| GeForce FX 5950 Ultra                              | 59                                   | 1376                   | NA                                 | NA          |
| Intel Q45/Q43 Express-Chipsatz                     | 59                                   | 1377                   | NA                                 | NA          |
| Matrox G200e WDDM 1.2                              | 59                                   | 1375                   | NA                                 | NA          |
| Quadro NVS 130M                                    | 59                                   | 1373                   | NA                                 | NA          |
| RADEON 9800 PRO                                    | 59                                   | 1374                   | NA                                 | NA          |
| GeForce 8400M G                                    | 58                                   | 1380                   | NA                                 | NA          |
| Intel G41 Express-Chipsatz                         | 58                                   | 1379                   | NA                                 | NA          |
| Radeon X1300                                       | 58                                   | 1381                   | 0.57                               | \$101.99*   |
| RADEON X600 256MB HyperMemory                      | 58                                   | 1382                   | NA                                 | NA          |
| Chipset Intel G41 Express                          | 57                                   | 1386                   | NA                                 | NA          |
| Intel - Express Chipset G41                        | 57                                   | 1384                   | NA                                 | NA          |
| Intel - Express Chipset Q45/Q43                    | 57                                   | 1383                   | NA                                 | NA          |
| Quadro NVS 135M                                    | 57                                   | 1385                   | NA                                 | NA          |
| GeForce 8200M G                                    | 56                                   | 1387                   | NA                                 | NA          |
| RADEON X550XT                                      | 56                                   | 1388                   | NA                                 | NA          |
| GeForce 7300 LE                                    | 55                                   | 1389                   | 1.72                               | \$32.00*    |
| RADEON 9700 PRO                                    | 53                                   | 1390                   | NA                                 | NA          |
| RADEON 9800 XT                                     | 53                                   | 1391                   | NA                                 | NA          |
| FireGL V3100                                       | 52                                   | 1392                   | NA                                 | NA          |
| Matrox G200eh WDDM 1.2                             | 52                                   | 1393                   | NA                                 | NA          |
| FirePro 2450                                       | 51                                   | 1396                   | 0.18                               | \$278.00*   |
| GeForce 6600 LE                                    | 51                                   | 1395                   | NA                                 | NA          |
| GeForce FX Go5700                                  | 51                                   | 1394                   | NA                                 | NA          |
| GeForce Go 7300                                    | 50                                   | 1399                   | NA                                 | NA          |
| Matrox G200eW WDDM 1.2                             | 50                                   | 1401                   | NA                                 | NA          |

| Videocard Name                                  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|-------------------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Mobility Radeon HD 2300                         | 50                                   | 1398                   | NA                                 | NA          |
| MOBILITY RADEON X600                            | 50                                   | 1400                   | NA                                 | NA          |
| RADEON X550                                     | 50                                   | 1397                   | NA                                 | NA          |
| 128MB RADEON X600 SE                            | 49                                   | 1405                   | NA                                 | NA          |
| MOBILITY RADEON X600 SE                         | 49                                   | 1403                   | NA                                 | NA          |
| Radeon X1050                                    | 49                                   | 1404                   | NA                                 | NA          |
| Radeon X1600                                    | 49                                   | 1402                   | NA                                 | NA          |
| Mobility Radeon X2300                           | 48                                   | 1407                   | NA                                 | NA          |
| Mobility Radeon X2300 HD                        | 48                                   | 1406                   | NA                                 | NA          |
| Mobile Intel - famiglia Express Chipset serie 4 | 47                                   | 1409                   | NA                                 | NA          |
| Quadro NVS 110M                                 | 47                                   | 1408                   | NA                                 | NA          |
| Radeon X1550 64-bit                             | 47                                   | 1410                   | NA                                 | NA          |
| SAPPHIRE RADEON 9600 ATLANTIS                   | 47                                   | 1411                   | NA                                 | NA          |
| MOBILITY RADEON 9800                            | 46                                   | 1413                   | NA                                 | NA          |
| Quadro NVS 120M                                 | 46                                   | 1412                   | NA                                 | NA          |
| FireMV 2250                                     | 45                                   | 1414                   | 0.43                               | \$105.99*   |
| GeForce Go 7200                                 | 45                                   | 1415                   | NA                                 | NA          |
| 128 DDR Radeon 9700 TX w/TV-Out                 | 44                                   | 1421                   | NA                                 | NA          |
| GeForce 6200                                    | 44                                   | 1420                   | 1.11                               | \$39.99*    |
| GeForce Go 6600 TE/6200 TE                      | 44                                   | 1417                   | NA                                 | NA          |
| Mobile Intel 4 Express-Chipsatzfamilie          | 44                                   | 1419                   | NA                                 | NA          |
| Mobile Intel serie 4 Express                    | 44                                   | 1418                   | NA                                 | NA          |
| MOBILITY FireGL V5200                           | 44                                   | 1416                   | NA                                 | NA          |
| GeForce 7100 GS                                 | 43                                   | 1422                   | NA                                 | NA          |
| Videocard Name                                  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Mobile Intel 45 Express                         | 43                                   | 1423                   | NA                                 | NA          |
| Mobility Radeon X1400                           | 43                                   | 1424                   | NA                                 | NA          |
| Matrox G200eW                                   | 42                                   | 1426                   | NA                                 | NA          |
| Radeon Xpress 1250                              | 42                                   | 1425                   | NA                                 | NA          |
| GeForce 7300 SE/7200 GS                         | 41                                   | 1428                   | NA                                 | NA          |
| GeForce FX 5700                                 | 41                                   | 1429                   | NA                                 | NA          |
| GeForce FX 5900 Ultra                           | 41                                   | 1430                   | NA                                 | NA          |
| RADEON 9500 PRO / 9700                          | 41                                   | 1427                   | NA                                 | NA          |
| GeForce FX 5900XT                               | 40                                   | 1433                   | NA                                 | NA          |
| Matrox G200eh                                   | 40                                   | 1431                   | NA                                 | NA          |
| MOBILITY FIREGL T2                              | 40                                   | 1432                   | NA                                 | NA          |
| GeForce 6200 TurboCache                         | 39                                   | 1440                   | NA                                 | NA          |
| GeForce 7300 SE                                 | 39                                   | 1439                   | NA                                 | NA          |
| GIGABYTE RADEON 9600 PRO                        | 39                                   | 1438                   | NA                                 | NA          |
| MOBILITY RADEON 9600/9700                       | 39                                   | 1437                   | NA                                 | NA          |
| Mobility Radeon X1300                           | 39                                   | 1435                   | NA                                 | NA          |
| Mobility Radeon X1350                           | 39                                   | 1434                   | NA                                 | NA          |
| S3 Chrome 430 ULP                               | 39                                   | 1436                   | NA                                 | NA          |
| Quadro NVS 285 128MB                            | 38                                   | 1441                   | 0.70                               | \$55.00*    |
| RADEON X300SE                                   | 38                                   | 1442                   | NA                                 | NA          |
| GeForce 6500                                    | 37                                   | 1445                   | NA                                 | NA          |
| Mobile Intel - famiglia Express Chipset 45      | 37                                   | 1443                   | NA                                 | NA          |
| Quadro NVS 440                                  | 37                                   | 1444                   | 0.27                               | \$141.45*   |
| Radeon X1250                                    | 37                                   | 1446                   | NA                                 | NA          |

| Videocard Name                         | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|----------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| FireMV 2200 PCIe                       | 36                                   | 1449                   | 0.40                               | \$89.99*    |
| Matrox G200eR                          | 36                                   | 1447                   | NA                                 | NA          |
| RADEON 9500                            | 36                                   | 1448                   | 0.90                               | \$40.50*    |
| Quadro FX 1100                         | 35                                   | 1450                   | 0.17                               | \$212.99*   |
| Quadro NVS 285                         | 35                                   | 1452                   | 0.95                               | \$36.86     |
| RADEON 9600 XT                         | 35                                   | 1453                   | NA                                 | NA          |
| Radeon Xpress 1200                     | 35                                   | 1451                   | NA                                 | NA          |
| GeForce FX 5700 Ultra                  | 34                                   | 1459                   | NA                                 | NA          |
| GeForce FX 5900                        | 34                                   | 1455                   | NA                                 | NA          |
| GeForce PCX 5750                       | 34                                   | 1454                   | NA                                 | NA          |
| Quadro FX 1000                         | 34                                   | 1458                   | NA                                 | NA          |
| Quadro FX 1300                         | 34                                   | 1457                   | NA                                 | NA          |
| RADEON 9550                            | 34                                   | 1456                   | 1.08                               | \$31.88*    |
| Radeon Xpress 1100                     | 34                                   | 1460                   | NA                                 | NA          |
| GeForce 7150 / nForce 630i             | 33                                   | 1465                   | NA                                 | NA          |
| GeForce FX 5700VE                      | 33                                   | 1464                   | NA                                 | NA          |
| MOBILITY FIREGL T2/T2e                 | 33                                   | 1462                   | NA                                 | NA          |
| Mobility Radeon X1450                  | 33                                   | 1463                   | NA                                 | NA          |
| MOBILITY RADEON X300                   | 33                                   | 1461                   | NA                                 | NA          |
| GeForce 6200 A-LE                      | 32                                   | 1468                   | NA                                 | NA          |
| Intel Media Accelerator                | 32                                   | 1466                   | NA                                 | NA          |
| Radeon X1200                           | 32                                   | 1467                   | NA                                 | NA          |
| GeForce 7050 / nForce 620i             | 31                                   | 1471                   | NA                                 | NA          |
| GeForce 7100 / nForce 630i             | 31                                   | 1470                   | NA                                 | NA          |
| Radeon X1270                           | 31                                   | 1472                   | NA                                 | NA          |
| Videocard Name                         | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Red Hat QXL controller                 | 31                                   | 1469                   | NA                                 | NA          |
| FireGL T2-128                          | 30                                   | 1474                   | NA                                 | NA          |
| Intel G35 Express                      | 30                                   | 1475                   | NA                                 | NA          |
| OpenXT Display Driver                  | 30                                   | 1473                   | NA                                 | NA          |
| GeForce 6200SE TurboCache              | 29                                   | 1478                   | NA                                 | NA          |
| Radeon 9550 / X1050                    | 29                                   | 1479                   | NA                                 | NA          |
| Radeon Xpress 1150                     | 29                                   | 1476                   | NA                                 | NA          |
| RADEON XPRESS 200                      | 29                                   | 1477                   | NA                                 | NA          |
| GeForce 7050 / nForce 610i             | 27                                   | 1480                   | NA                                 | NA          |
| GeForce 7050 / nForce 630i             | 27                                   | 1484                   | NA                                 | NA          |
| Matrox M9138 LP PCIe x16               | 27                                   | 1483                   | NA                                 | NA          |
| MOBILITY FireGL V5250                  | 27                                   | 1481                   | NA                                 | NA          |
| RADEON 9600SE                          | 27                                   | 1482                   | NA                                 | NA          |
| GeForce 6200 LE                        | 26                                   | 1487                   | 0.65                               | \$41.24*    |
| MOBILITY RADEON 9700                   | 26                                   | 1485                   | NA                                 | NA          |
| MOBILITY RADEON XPRESS 200             | 26                                   | 1486                   | NA                                 | NA          |
| RADEON 9600 PRO Family                 | 26                                   | 1489                   | NA                                 | NA          |
| Radeon Xpress 1270                     | 26                                   | 1488                   | NA                                 | NA          |
| GeForce 6100 nForce 400                | 25                                   | 1491                   | NA                                 | NA          |
| GeForce 6100 nForce 420                | 25                                   | 1492                   | NA                                 | NA          |
| GeForce 7025 / nForce 630a             | 25                                   | 1493                   | NA                                 | NA          |
| PHDGD Sapphire GR for Mobile Intel 965 | 25                                   | 1490                   | NA                                 | NA          |
| RADEON 9600 Family                     | 25                                   | 1494                   | NA                                 | NA          |

| Videocard Name                           | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|------------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| GeForce 6150SE                           | 24                                   | 1497                   | NA                                 | NA          |
| GeForce FX 5700LE                        | 24                                   | 1495                   | NA                                 | NA          |
| GeForce Go 6400                          | 24                                   | 1498                   | NA                                 | NA          |
| Mobile Intel 965 Express-Chipsatzfamilie | 24                                   | 1499                   | NA                                 | NA          |
| MOBILITY RADEON 9600 PRO TURBO           | 24                                   | 1496                   | NA                                 | NA          |
| GeForce 6100 nForce 430                  | 23                                   | 1502                   | NA                                 | NA          |
| Quadro NVS 210S                          | 23                                   | 1500                   | NA                                 | NA          |
| RADEON 9800 SE                           | 23                                   | 1501                   | NA                                 | NA          |
| Chell 1.8a for Mobile Intel 965          | 22                                   | 1504                   | NA                                 | NA          |
| GeForce 6100 nForce 405                  | 22                                   | 1507                   | NA                                 | NA          |
| GeForce 6150SE nForce 430                | 22                                   | 1503                   | NA                                 | NA          |
| GeForce 7050 PV / nForce 630a            | 22                                   | 1506                   | NA                                 | NA          |
| RADEON XPRESS 200M                       | 22                                   | 1505                   | NA                                 | NA          |
| GeForce 6100                             | 21                                   | 1510                   | NA                                 | NA          |
| GeForce 6150                             | 21                                   | 1508                   | 0.15                               | \$149.99*   |
| GeForce 6150 LE                          | 21                                   | 1511                   | NA                                 | NA          |
| Matrox M9140 LP PCIe x16                 | 21                                   | 1509                   | NA                                 | NA          |
| Mobile Intel 965 Express                 | 20                                   | 1513                   | NA                                 | NA          |
| PHDGD Solo 2 x64                         | 20                                   | 1514                   | NA                                 | NA          |
| Quadro NVS 210S / GeForce 6150LE         | 20                                   | 1512                   | NA                                 | NA          |
| GeForce 7150M / nForce 630M              | 18                                   | 1518                   | NA                                 | NA          |
| Intel G965 Express                       | 18                                   | 1517                   | NA                                 | NA          |
| RADEON 9600 TX Family                    | 18                                   | 1516                   | NA                                 | NA          |
| S3 Chrome S25 DDR2                       | 18                                   | 1515                   | NA                                 | NA          |
| GeForce FX 5600 Ultra                    | 17                                   | 1522                   | NA                                 | NA          |
| GeForce FX Go 5600                       | 17                                   | 1521                   | NA                                 | NA          |
| Videocard Name                           | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| GeForce Go 6100                          | 17                                   | 1519                   | NA                                 | NA          |
| GeForce Go 6150                          | 17                                   | 1520                   | NA                                 | NA          |
| Chell 1.7b for Intel G33/G31             | 16                                   | 1524                   | NA                                 | NA          |
| GeForce FX Go5650                        | 16                                   | 1523                   | NA                                 | NA          |
| GeForce Go 6200                          | 15                                   | 1525                   | NA                                 | NA          |
| Chell 1.8b for Mobile Intel 965          | 14                                   | 1528                   | NA                                 | NA          |
| Quadro FX 500/600 PCI                    | 14                                   | 1526                   | NA                                 | NA          |
| Radeon HD 2400 PCI                       | 14                                   | 1527                   | NA                                 | NA          |
| FireMV 2400 PCIe                         | 13                                   | 1529                   | NA                                 | NA          |
| GeForce 7000M                            | 13                                   | 1530                   | NA                                 | NA          |
| GeForce 7000M / nForce 610M              | 12                                   | 1531                   | NA                                 | NA          |
| GeForce FX 5200 Ultra                    | 12                                   | 1533                   | NA                                 | NA          |
| GeForce FX 5600                          | 12                                   | 1534                   | NA                                 | NA          |
| GeForce FX Go5300                        | 12                                   | 1532                   | NA                                 | NA          |
| Intel G33/G31 Express                    | 12                                   | 1535                   | NA                                 | NA          |
| GeForce FX 5200SE                        | 11                                   | 1536                   | NA                                 | NA          |
| Intel Q33 Express                        | 11                                   | 1539                   | NA                                 | NA          |
| PHDGD Solo 1.2.0 x86                     | 11                                   | 1538                   | NA                                 | NA          |
| RGH Drivers v3                           | 11                                   | 1537                   | NA                                 | NA          |
| Intel Q35 Express                        | 10                                   | 1541                   | NA                                 | NA          |
| Matrox Millennium P690 PCIe x16          | 10                                   | 1542                   | NA                                 | NA          |
| VIA Chrome9 HD IGP                       | 10                                   | 1540                   | NA                                 | NA          |

| Videocard Name                              | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|---------------------------------------------|--------------------------------------|------------------------|------------------------------------|-------------|
| Chell 1.7b for Intel 945G                   | 9                                    | 1544                   | NA                                 | NA          |
| GeForce FX 5600XT                           | 9                                    | 1545                   | NA                                 | NA          |
| Matrox M9148 LP PCIe x16                    | 9                                    | 1543                   | NA                                 | NA          |
| GeForce FX 5500                             | 8                                    | 1547                   | 0.23                               | \$36.99*    |
| GeForce FX Go 5200                          | 8                                    | 1546                   | NA                                 | NA          |
| Chell 1.8b for Intel G33/G31                | 7                                    | 1556                   | NA                                 | NA          |
| Famille de jeu de puces Express Intel 946GZ | 7                                    | 1551                   | NA                                 | NA          |
| GeForce FX 5200                             | 7                                    | 1550                   | 0.11                               | \$69.99*    |
| GeForce FX 5200LE                           | 7                                    | 1555                   | 0.16                               | \$42.99*    |
| GeForce4 Ti 4400                            | 7                                    | 1554                   | NA                                 | NA          |
| GeForce4 Ti 4800 SE                         | 7                                    | 1553                   | NA                                 | NA          |
| Intel US15 Embedded Media and Controller    | 7                                    | 1552                   | NA                                 | NA          |
| MOBILITY RADEON 9000 IGP                    | 7                                    | 1548                   | NA                                 | NA          |
| Quadro FX 500/FX 600                        | 7                                    | 1549                   | NA                                 | NA          |
| Chell 1.7b for Mobile Intel 945             | 6                                    | 1558                   | NA                                 | NA          |
| GeForce PCX 5300                            | 6                                    | 1565                   | NA                                 | NA          |
| GeForce4 MX Integrated GPU                  | 6                                    | 1561                   | NA                                 | NA          |
| Intel 946GZ Express                         | 6                                    | 1562                   | NA                                 | NA          |
| Intel Media Accelerator 600                 | 6                                    | 1557                   | NA                                 | NA          |
| Intel Q965/Q963 Express                     | 6                                    | 1563                   | NA                                 | NA          |
| Matrox Millennium P690 Plus LP PCIe x16     | 6                                    | 1559                   | NA                                 | NA          |
| MOBILITY RADEON 7000 IGP                    | 6                                    | 1564                   | NA                                 | NA          |
| Quadro NVS 55/280 PCI                       | 6                                    | 1567                   | NA                                 | NA          |
| Quadro4 380 XGL                             | 6                                    | 1560                   | NA                                 | NA          |
| RADEON 9100 Family                          | 6                                    | 1566                   | NA                                 | NA          |
| RADEON IGP 350M                             | 6                                    | 1568                   | NA                                 | NA          |
| ALL-IN-WONDER RADEON 8500DV                 | 5                                    | 1578                   | NA                                 | NA          |
| Videocard Name                              | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| GeForce 256                                 | 5                                    | 1587                   | 0.12                               | \$42.04*    |
| GeForce4 420 Go 32M                         | 5                                    | 1585                   | NA                                 | NA          |
| GeForce4 440 Go 64M                         | 5                                    | 1569                   | NA                                 | NA          |
| GeForce4 448 Go                             | 5                                    | 1579                   | NA                                 | NA          |
| GeForce4 460 Go --MobileForce M4 Stock--    | 5                                    | 1571                   | NA                                 | NA          |
| GeForce4 Ti 4200                            | 5                                    | 1581                   | NA                                 | NA          |
| GeForce4 Ti 4600                            | 5                                    | 1580                   | 0.10                               | \$53.99*    |
| Intel 82915G Express                        | 5                                    | 1575                   | NA                                 | NA          |
| Intel 82945G Express                        | 5                                    | 1572                   | NA                                 | NA          |
| Matrox Millennium P650 PCIe 128             | 5                                    | 1583                   | NA                                 | NA          |
| Matrox Parhelia APVe                        | 5                                    | 1577                   | NA                                 | NA          |
| Mobile Intel 945GM Express                  | 5                                    | 1573                   | NA                                 | NA          |
| Mobile Intel 945GM/GU Express               | 5                                    | 1584                   | NA                                 | NA          |
| MOBILITY RADEON 9000/9100 IGP               | 5                                    | 1576                   | NA                                 | NA          |
| Quadro 280 NVS PCIe                         | 5                                    | 1574                   | NA                                 | NA          |
| Quadro4 980 XGL                             | 5                                    | 1589                   | 0.01                               | \$341.43*   |
| RADEON 9100 IGP                             | 5                                    | 1582                   | NA                                 | NA          |
| SiS 760                                     | 5                                    | 1588                   | NA                                 | NA          |
| VIA/S3G UniChromell                         | 5                                    | 1570                   | NA                                 | NA          |
| Xabre                                       | 5                                    | 1586                   | NA                                 | NA          |
| ALL-IN-WONDER 9000                          | 4                                    | 1590                   | 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) |
|-----------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|----------------|
| Chell 1.7b for Intel GMA 3150           | 4                                       | 1598                      | NA                                    | NA             |
| GeForce2 Integrated GPU                 | 4                                       | 1603                      | NA                                    | NA             |
| GeForce2 Ti                             | 4                                       | 1597                      | NA                                    | NA             |
| GeForce3                                | 4                                       | 1591                      | NA                                    | NA             |
| GeForce3 Ti 200                         | 4                                       | 1612                      | NA                                    | NA             |
| GeForce4 MX 4000                        | 4                                       | 1601                      | NA                                    | NA             |
| GeForce4 MX 420                         | 4                                       | 1592                      | NA                                    | NA             |
| GeForce4 MX 440                         | 4                                       | 1602                      | NA                                    | NA             |
| GeForce4 MX 440 with AGP8X              | 4                                       | 1593                      | NA                                    | NA             |
| GeForce4 MX 440SE                       | 4                                       | 1599                      | NA                                    | NA             |
| GeForce4 MX 460                         | 4                                       | 1609                      | NA                                    | NA             |
| Intel 82865G Controller                 | 4                                       | 1595                      | NA                                    | NA             |
| Mobile Intel 915GM/GMS/910GML Express   | 4                                       | 1604                      | NA                                    | NA             |
| Mobile Intel 945 Express                | 4                                       | 1600                      | NA                                    | NA             |
| MOBILITY/RADEON 9000                    | 4                                       | 1611                      | NA                                    | NA             |
| RADEON 7500 Family                      | 4                                       | 1596                      | NA                                    | NA             |
| SiS 661FX/GX Mirage                     | 4                                       | 1614                      | NA                                    | NA             |
| SiS 661FX_760_741_M661FX_M760_M741      | 4                                       | 1606                      | NA                                    | NA             |
| SiS 741                                 | 4                                       | 1605                      | NA                                    | NA             |
| SiS M661MX                              | 4                                       | 1615                      | NA                                    | NA             |
| SiS Mirage                              | 4                                       | 1610                      | NA                                    | NA             |
| VIA Chrome9 HC IGP                      | 4                                       | 1608                      | NA                                    | NA             |
| VIA/S3G KM400/KN400                     | 4                                       | 1613                      | NA                                    | NA             |
| VIA/S3G UniChrome IGP                   | 4                                       | 1607                      | NA                                    | NA             |
| VIA/S3G UniChrome Pro IGP               | 4                                       | 1594                      | NA                                    | NA             |
| ABIT Siluro T400                        | 3                                       | 1618                      | NA                                    | NA             |
| GeForce2 GTS/GeForce2 Pro               | 3                                       | 1616                      | NA                                    | NA             |
| GeForce2 MX 100/200                     | 3                                       | 1639                      | 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) |
| GeForce2 MX/MX 400                      | 3                                       | 1619                      | NA                                    | NA             |
| GeForce4 420 Go                         | 3                                       | 1636                      | NA                                    | NA             |
| GeForce4 4200 Go                        | 3                                       | 1617                      | NA                                    | NA             |
| GeForce4 440 Go                         | 3                                       | 1626                      | NA                                    | NA             |
| Intel 82915G/GV/910GL Express           | 3                                       | 1643                      | NA                                    | NA             |
| Intel 865 Embedded Controller           | 3                                       | 1627                      | NA                                    | NA             |
| Intel 946GZ Embedded Chipset Function 0 | 3                                       | 1640                      | NA                                    | NA             |
| Intel Media Accelerator 3150            | 3                                       | 1645                      | NA                                    | NA             |
| Intel Media Accelerator 500             | 3                                       | 1634                      | NA                                    | NA             |
| MOBILITY RADEON 7500                    | 3                                       | 1629                      | NA                                    | NA             |
| MOBILITY RADEON 9000                    | 3                                       | 1638                      | NA                                    | NA             |
| MOBILITY RADEON 9200                    | 3                                       | 1646                      | NA                                    | NA             |
| RADEON 7000 / RADEON VE Family          | 3                                       | 1622                      | NA                                    | NA             |
| RADEON 7500                             | 3                                       | 1641                      | 0.10                                  | \$32.12*       |
| RADEON 9000 Family                      | 3                                       | 1631                      | NA                                    | NA             |
| RADEON 9200                             | 3                                       | 1628                      | 0.09                                  | \$39.95*       |
| Radeon IGP 320M                         | 3                                       | 1630                      | NA                                    | NA             |
| Rage Fury Pro/Xpert 2000 Pro            | 3                                       | 1642                      | NA                                    | NA             |
| RIVA TNT2 Model 64/Model 64 Pro         | 3                                       | 1624                      | NA                                    | NA             |
| RIVA TNT2/TNT2 Pro                      | 3                                       | 1635                      | 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) |
|----------------------------------------|-----------------------------------------|---------------------------|---------------------------------------|----------------|
| Sherry 1.3.2 beta for 945 chipsets     | 3                                       | 1625                      | NA                                    | NA             |
| SiS 650_651_M650_M652_740              | 3                                       | 1632                      | NA                                    | NA             |
| SiS 661FX                              | 3                                       | 1623                      | NA                                    | NA             |
| SiS M760GX                             | 3                                       | 1621                      | NA                                    | NA             |
| Vanta/Vanta LT                         | 3                                       | 1644                      | NA                                    | NA             |
| VIA Chrome9 HC IGP Family              | 3                                       | 1620                      | NA                                    | NA             |
| VIA Chrome9 HC IGP Family WDDM         | 3                                       | 1633                      | NA                                    | NA             |
| VIA/S3G DeltaChrome IGP                | 3                                       | 1637                      | NA                                    | NA             |
| Chell 1.8b for Mobile Intel 945        | 2                                       | 1659                      | NA                                    | NA             |
| GeForce2 MX                            | 2                                       | 1654                      | NA                                    | NA             |
| GeForce3 Ti 500                        | 2                                       | 1661                      | NA                                    | NA             |
| Intel 82845G Controller                | 2                                       | 1664                      | NA                                    | NA             |
| Intel 82845G/GL Controller             | 2                                       | 1656                      | NA                                    | NA             |
| Intel 82845G/GL/GE/PE/GV Controller    | 2                                       | 1648                      | NA                                    | NA             |
| MOBILITY RADEON 9100 IGP               | 2                                       | 1647                      | NA                                    | NA             |
| Quadro NVS 280 SD                      | 2                                       | 1663                      | NA                                    | NA             |
| RADEON 9200 LE Family                  | 2                                       | 1657                      | NA                                    | NA             |
| RADEON 9200 PRO Family                 | 2                                       | 1649                      | NA                                    | NA             |
| RADEON 9200 SE                         | 2                                       | 1660                      | NA                                    | NA             |
| RADEON 9250                            | 2                                       | 1658                      | 0.06                                  | \$42.99*       |
| Radeon IGP 340M                        | 2                                       | 1662                      | NA                                    | NA             |
| RADEON IGP 345M                        | 2                                       | 1655                      | NA                                    | NA             |
| SiS 651                                | 2                                       | 1650                      | NA                                    | NA             |
| SiS Mirage 3                           | 2                                       | 1665                      | NA                                    | NA             |
| VIA Chrome9 HC IGP Prerelease WDDM 1.1 | 2                                       | 1653                      | NA                                    | NA             |
| VIA Chrome9 HC IGP WDDM                | 2                                       | 1652                      | NA                                    | NA             |
| VIA Chrome9 HC IGP WDDM 1.1            | 2                                       | 1651                      | NA                                    | NA             |
| Chell 1.8b for Intel 945G              | 1                                       | 1668                      | NA                                    | NA             |
| Quadro2 Pro                            | 1                                       | 1672                      | 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) |
| RAGE 128 PRO AGP 4X TMDS               | 1                                       | 1671                      | NA                                    | NA             |
| S3 ProSavageDDR                        | 1                                       | 1669                      | NA                                    | NA             |
| Sherry 1.3 for GMA 3150                | 1                                       | 1666                      | NA                                    | NA             |
| SiS 630/730                            | 1                                       | 1670                      | NA                                    | NA             |
| VIA Chrome9 HCM IGP                    | 1                                       | 1667                      | NA                                    | NA             |

\* - Last price seen from our affiliates.

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