High End Video Card Chart

This chart made up of thousands of PerformanceTest benchmark results and is updated daily with new graphics card benchmarks. This high end chart contains high performance video cards typically found in premium gaming PCs. Recently introduced ATI video cards (such as the ATI Radeon HD) and nVidia graphics cards (such as the nVidia GTX and nVidia Quadro FX) using the PCI-Express (or PCI-E) standard are common in our high end video card charts.

VIDEO CARD

High End

High Mid Range

Low Mid Range

Low End

Best Value

Common

Market Share (30 Days)

Compare 0

Video Card Mega List

Search Model

GPU Compute Video Card Chart

PassMark - G3D Mark

High End Videocards

Videocard	Average G3D Mark	Price (USD)
TITAN V CEO Edition	16,988	NA
GeForce RTX 2080 Ti	16,700	1,099.99
TITAN RTX	16,367	2,449.00
GeForce RTX 2080 SUPER	15,892	689.99
GeForce RTX 2080	15,479	699.99
TITAN Xp COLLECTORS EDITION	15,125	NA
GeForce RTX 2070 SUPER	14,907	499.99
Quadro RTX 6000	14,702	6,300.00*
Quadro RTX 5000 with Max-Q Design	14,700	NA
TITAN V	14,394	3,179.00*
Radeon VII	14,278	549.99
NVIDIA TITAN Xp	14,237	1,499.99
GeForce GTX 1080 Ti	14,206	949.99*
Radeon RX 5700 XT 50th Anniversary	14,158	NA
Radeon RX 5700 XT	14,038	389.99
GeForce RTX 2070	14,012	399.99
GeForce RTX 2060 SUPER	13,763	399.99
NVIDIA TITAN X	13,651	1,200.00*
Quadro P6000	13,202	3,434.00
Quadro RTX 4000	13,182	899.00*
GeForce RTX 2080 (Mobile)	13,106	NA
Quadro RTX 5000	12,935	NA
GeForce RTX 2060	12,817	299.99
Radeon Pro W5700	12,815	799.99
Quadro GV100	12,721	NA
Quadro GP100	12,663	NA
Radeon RX 5700	12,565	319.95
GeForce GTX 1080	12,455	669.99*
GeForce RTX 2080 with Max-Q Design	12,419	NA
GeForce GTX 1070 Ti	12,297	547.99
Radeon RX Vega 64	12,251	384.99

Video Card

Quadro RTX 5000 (Mobile)	12,214	NA
Radeon RX Vega 56	12,080	249.99
Radeon Pro Vega 56	11,916	NA
Radeon Pro Vega 48	11,796	NA
GeForce GTX 1660 Ti	11,501	259.99
Radeon Pro Vega 64	11,456	NA
GeForce GTX 980 Ti	11,440	487.48*
Radeon PRO WX 8200	11,404	989.99
GeForce GTX 1070	11,384	399.99*
Quadro RTX 4000 with Max-Q Design	11,268	NA
GeForce RTX 2070 (Mobile)	11,261	NA
GeForce RTX 2070 with Max-Q Design	11,205	NA
GeForce GTX 1660 SUPER	11,183	229.99
Radeon Vega Frontier Edition	11,131	599.99*
Radeon Pro WX 9100	10,828	NA
GeForce GTX 1660	10,815	209.99
GeForce GTX TITAN X	10,686	1,999.99*
GeForce RTX 2060 (Mobile)	10,549	NA
Radeon Pro SSG	10,498	NA
Radeon Instinct MI25 MxGPU	10,466	NA
Quadro P4000	10,442	695.51
Quadro P4200	10,374	NA
Quadro RTX 3000	10,353	NA
Quadro P4200 with Max-Q Design	10,323	NA
Radeon RX 5600 XT	10,272	279.99
GeForce GTX 1080 with Max-Q Design	10,169	NA
Quadro M6000 24GB	10,058	NA
Quadro P5000	10,018	1,640.00
Quadro P5200 with Max-Q Design	9,796	NA
Quadro P2200	9,743	415.99
GeForce GTX 980	9,690	527.20*
GeForce GTX 1660 Ti (Mobile)	9,584	NA
GeForce GTX 1650 SUPER	9,540	159.99
GeForce GTX 1070 (Mobile)	9,517	NA
Quadro M6000	9,480	2,399.00*
Radeon RX 590	9,469	194.99
GeForce GTX 1070 with Max-Q Design	9,454	NA
Radeon Pro Duo	9,436	449.00*
Radeon R9 Fury	9,213	399.99*
Quadro P5200	9,186	NA
GeForce GTX 1060	9,099	338.32
Quadro P4000 with Max-Q Design	9,083	NA
GeForce GTX 1060 3GB	9,000	214.99
GeForce GTX 780 Ti	8,892	399.99
Quadro P3200 with Max-Q Design	8,714	NA
GeForce GTX 970	8,660	329.99*
GeForce GTX TITAN Black	8,653	1,399.99*
Radeon RX 580	8,594	159.99
GeForce GTX 1660 Ti with Max-Q Design	8,577	NA
Quadro M5000	8,514	999.00
Radeon R9 390X	8,505	NA
Radeon R9 Fury + Fury X	8,489	399.99*

Video Card

Radeon RX 580 2048SP	8,475	NA
Radeon RX 5500 XT	8,397	179.99
Radeon R9 390	8,111	NA
Quadro P3200	7,961	NA
GeForce GTX 780	7,956	725.99*
GeForce GTX 1650	7,948	154.99
GeForce GTX Titan	7,940	1,219.99
Quadro M5500	7,915	NA
Radeon Pro WX 7100	7,880	539.99
GeForce GTX 1060 with Max-Q Design	7,864	NA
Radeon RX 470	7,812	300.95*
Radeon R9 295X2	7,795	1,099.99*
Radeon Pro 580	7,753	NA
GeForce GTX 1060 (Mobile)	7,670	NA
GeForce GTX TITAN Z	7,647	3,349.99*
FirePro W8100 Graphic Adapter	7,570	NA
Quadro K6000	7,467	928.02
Radeon R9 290X / 390X	7,455	688.88
Quadro T2000	7,380	NA
Tesla P100-PCIE-16GB	7,225	NA
Quadro P2000	7,206	424.00
Tesla M60	7,192	2,350.00
FirePro W9100	7,187	2,749.99*
Radeon R9 290 / 390	7,157	184.89
Radeon RX Vega M GH	7,056	NA
GeForce GTX 1650 (Mobile)	6,963	NA
Radeon RX 570	6,947	109.99
Quadro RTX 3000 with Max-Q Design	6,921	NA
Quadro T1000	6,820	NA
Quadro M4000	6,671	349.00
Radeon Pro 5500M	6,422	NA
GeForce GTX 1060 5GB	6,407	NA
Radeon Pro 570	6,337	NA
Radeon Pro Vega 20	6,319	NA
Radeon R9 380X	6,245	445.00*
Radeon R9 380	6,169	264.99*
FirePro W8100	6,165	1,112.18*
Quadro K5200	6,092	699.00
GeForce GTX 1050 Ti	6,073	139.99
GeForce GTX 770	6,063	702.99*
GeForce GTX 1050 Ti (Mobile)	6,005	NA
GeForce GTX 980M	5,988	NA
Quadro P3000	5,930	NA
GRID M60-2Q	5,904	NA
Radeon Pro 5300M	5,880	NA
RadeonT RX 5500M	5,873	NA
Radeon R9 280X	5,849	NA
GeForce GTX 1650 with Max-Q Design	5,846	NA
GeForce GTX 960	5,837	229.99*
GeForce GTX 1050 Ti with Max-Q Design	5,791	NA
Radeon R9 M395X	5,782	NA
Quadro M5000M	5,780	499.95*

GeForce GTX 680	5,668	579.99*
Radeon Pro WX 5100	5,658	355.99
FirePro W7100 Adapter	5,554	NA
Radeon R9 285 / 380	5,550	310.00
FirePro W7100	5,417	289.99*
GeForce GTX 690	5,403	999.00*
Quadro P2000 with Max-Q Design	5,384	NA
Radeon R9 280	5,383	NA
GeForce GTX 760 Ti OEM	5,377	NA
GeForce GTX 670	5,362	474.99*
FirePro W9000	5,305	3,443.99*
GeForce GTX 950	5,251	169.99*
Radeon HD 7970 / R9 280X	5,248	345.00
FirePro S10000	5,235	NA
Radeon RX Vega M GL	5,168	NA
Radeon R9 M295X	5,150	NA
GeForce GTX 760 Ti	5,119	297.50*
FirePro S9000	5,059	NA
Radeon R9 M395	5,022	NA
GeForce GTX 580	5,017	289.88*
Radeon HD 8990	5,000	NA
Quadro M4000M	4,974	NA
GeForce GTX 760	4,938	249.99*
Radeon Sky 500	4,889	NA
GeForce GTX 1050	4,799	159.99
Radeon HD 7950 / R9 280	4,765	249.99
FirePro W8000 Adapter	4,752	NA
Radeon R9 370	4,722	NA
Radeon R9 270X	4,698	299.00
GRID M60-1Q	4,680	NA
FirePro W8000	4,674	1,048.99*
GeForce GTX 660 Ti	4,655	279.99*
Radeon R7 370	4,641	NA
FirePro W7170M	4,579	NA
Quadro M3000M	4,540	NA
GeForce GTX 1050 (Mobile)	4,503	NA
Quadro K4200	4,478	224.04
Radeon HD 7870 XT	4,470	NA
GRID P6-4Q	4,429	NA
GeForce GTX 570	4,418	99.99*
Quadro P1000	4,402	300.00
Radeon HD 7870	4,386	249.99
GRID K520	4,384	NA
GeForce GTX 480	4,361	71.99*
FirePro W7000	4,358	569.99*
Radeon R9 M390X	4,357	NA
Radeon RX 460	4,331	127.08
Barco MXRT 7500	4,319	NA
Radeon RX 560	4,296	109.99
Quadro M2000	4,280	475.95*
GeForce GTX 680MX	4,271	NA
GeForce GTX 970M	4,270	1,899.00*
Radeon R9 270 / R7 370	4,260	140.59

Video Card

GeForce GTX 775M	4,222	NA
GeForce GTX 590	4,221	184.00*
GeForce GTX 660	4,130	284.99*
FirePro W7000 Adapter	4,106	NA
Radeon Pro WX 4100	4,090	259.99
Radeon R9 M290X	4,061	NA
GeForce GTX 780M	4,040	NA
Quadro K5000	4,018	284.99
GRID P6-2Q	4,001	NA
Radeon Pro WX4100	3,953	NA
GeForce GTX 1050 with Max-Q Design	3,884	NA
GRID M60-8Q	3,884	NA
Radeon HD 8970M	3,876	139.99*
Quadro P620	3,855	163.54
Radeon HD 7850	3,849	459.59
GRID P100-8Q	3,841	NA
P106-100	3,802	NA
Radeon HD 7970M	3,795	NA
GeForce GTX 750 Ti	3,776	299.01*
GRID K2	3,773	995.00
Quadro M2200	3,758	NA
GeForce GTX 880M	3,730	NA
Radeon Pro 560X	3,678	NA
Quadro K2200	3,604	195.00
GeForce GTX 470	3,602	522.01*
Radeon R9 M470X	3,563	NA
GeForce GTX 650 Ti BOOST	3,537	NA
Quadro 6000	3,535	299.99
GeForce GTX 560 Ti	3,529	138.00*
Radeon HD 6970	3,525	94.99*
Tesla C2050	3,515	264.99
FirePro M6100 FireGL V	3,487	NA
Radeon Pro 560	3,475	NA
Radeon RX 560X	3,455	NA
Radeon Pro 460	3,453	NA
Tesla C2050 / C2070	3,428	NA
Radeon RX 550	3,419	89.99
Radeon HD8970M	3,369	NA
Tesla C2075	3,364	595.75
GeForce GTX 680M	3,349	499.99*
Radeon Pro WX 3100	3,333	NA
GeForce GTX 750	3,331	129.99*
Radeon R7 360	3,319	146.65*
Tesla C2070	3,275	NA
GeForce GTX 965M	3,260	NA
Quadro P600	3,222	224.95*
Radeon HD 6950	3,219	89.99*
GRID M60-4Q	3,189	NA
Radeon R7 260X	3,183	220.00*
FirePro V7000 Adapter	3,162	NA
Radeon Pro WX 4150	3,151	NA
Radeon Pro 555	3,141	NA
Quadro K5100M	3,130	285.99*

GeForce GTX 560	3,117	353.59*
Radeon Pro 455	3,113	NA
FirePro W5000	3,090	434.00*
Radeon HD 7790	3,087	134.99*
Radeon R9 M380	3,051	NA
Quadro K1200	3,042	289.08
Radeon R9 360	3,032	519.00*
FirePro W5100	3,031	279.13*
Radeon R9 260	3,018	NA
Radeon HD 8950	3,006	NA
Radeon Pro WX 4130	2,984	NA
Quadro M2000M	2,984	279.95*
FirePro M6100	2,970	NA
GeForce GTX 465	2,947	263.28*
GRID K260Q	2,941	NA
Radeon HD 6990	2,933	159.99*
FirePro W4300	2,909	239.99*
Radeon R7 260	2,892	89.99*
Quadro K4000	2,880	156.99
Quadro 5000	2,858	183.98
FirePro 3D V9800	2,812	2,499.00*
Quadro M620	2,805	NA
Quadro K2200M	2,774	NA
FirePro V7900	2,749	119.99*
FirePro V9800 Adapter	2,727	NA
Radeon Pro 450	2,723	NA
Quadro K4100M	2,684	379.99*
GeForce GTX 770M	2,670	177.99*
GeForce GTX 650 Ti	2,659	169.99*
GeForce GTX 460	2,652	89.99*
Radeon HD 5870	2,622	99.99*
Radeon HD 6870	2,617	89.99*
Radeon HD 5970	2,603	329.99*
GeForce MX250	2,578	NA
Quadro K5000M	2,572	389.25*
GeForce GTX 460 v2	2,495	199.99*
GeForce GTX 870M	2,481	NA
GeForce GTX 675MX	2,476	NA
FirePro 3D V8800	2,438	424.99*
Quadro M1000M	2,436	85.99*
Radeon R9 M470	2,435	NA
GeForce GTX 960M	2,414	NA
GeForce GTX 960A	2,411	NA
GeForce GTX 485M	2,401	NA
GRID K280Q	2,359	NA
Quadro K620	2,339	154.04
GeForce GT 1030	2,319	84.99
GRID M10-1B	2,310	NA
Radeon HD 6850	2,296	99.99*
Radeon RX 540	2,288	NA
Radeon HD 5850	2,282	79.99*
GeForce GTX 580M	2,279	NA
Radeon RX Vega 11	2,277	NA

Video Card

Radeon HD 6970M	2,270	NA
Radeon R7 250X	2,269	260.70
GeForce GT 645	2,251	NA
Quadro K4000M	2,250	599.99*
GeForce MX150	2,248	NA
Radeon Pro WX 2100	2,237	NA
Radeon R9 350	2,236	103.85
Radeon HD 7770	2,226	315.59
GeForce GTX 745	2,200	NA
GeForce GTX 560 SE	2,199	89.99*
Radeon R7 450	2,195	89.99*
RadeonT R7 450	2,185	NA
GeForce MX230	2,184	NA
Firepro W5170M	2,168	NA
GeForce GTX 555	2,162	NA
Intel Iris Pro P580	2,157	NA
Radeon TM R9 A360	2,148	NA
Radeon Pro WX 7130	2,146	NA
GRID K240Q	2,144	NA
GeForce GTX 675M	2,142	NA
Radeon R9 M375X	2,121	NA
FirePro M5100	2,103	NA
Quadro K3100M	2,092	399.95*
Quadro P520	2,086	NA
GeForce GTX 670MX	2,080	NA
Quadro 5000M	2,060	NA
Radeon R7 M465X	2,057	NA
Quadro 4000	2,055	169.98
Radeon HD 5830	2,055	159.99*
Intel Iris Plus 645	2,055	NA
GeForce GTX 480M	2,051	NA
Radeon HD 6790	2,049	64.99*
Radeon R9 M360	2,042	NA
GeForce GTX 570M	2,024	NA
Embedded Radeon E9173	1,996	NA
Matrox C680 PCIe x16	1,988	NA
GeForce GTX 860M	1,988	NA
Radeon R7 + R7 350 Dual	1,982	NA
GeForce MX130	1,977	NA
Intel Iris Plus 655	1,972	NA
Radeon HD 6900M	1,964	NA
Radeon R7 + HD 7700 Dual	1,962	NA
GeForce GTX 950M	1,959	NA
Radeon HD 7660D + HD 7700 Dual	1,958	NA
GeForce GTX 670M	1,953	NA
GeForce GTX 470M	1,950	NA
GeForce GTX 645	1,938	NA
Radeon R9 M370X	1,936	NA
Quadro M600M	1,932	102.99*
Radeon RX 570X	1,923	NA
GeForce GTX 550 Ti	1,921	287.59*
GeForce GTX 765M	1,889	NA
Intel Iris Pro 580	1,881	NA

Video Card

GeForce GTX 950A	1,876	NA
Radeon Vega 9	1,872	NA
FirePro 3D V7800	1,835	599.99*
Radeon HD 8570D + HD 7700 Dual	1,835	NA
Quadro 5010M	1,833	235.95*
MxGPU	1,826	NA
Radeon Pro W5500M	1,813	NA
Matrox C900 PCIe x16	1,812	NA
Radeon R9 255	1,801	344.16*
Radeon HD 8870M / R9 M270X / M370X	1,800	NA
Intel Iris Plus	1,797	NA
Radeon R7 FX-9830P RADEON	1,796	NA
Quadro 4000M	1,789	91.01*
Radeon HD 8670D + 7700 Dual	1,789	NA
Radeon RX Vega11	1,779	NA
Radeon Vega 10	1,777	NA
Radeon Pro WX3200	1,766	NA
Radeon Vega 11	1,757	NA
Quadro K3000M	1,751	155.00*
Radeon Vega 8	1,739	NA
Radeon RX Vega 8	1,737	NA
FirePro M6000 Mobility Pro	1,734	NA
Radeon RX Vega 10	1,728	NA
Intel HD P630	1,727	NA
Quadro K2000	1,725	139.99
FirePro M4000 Mobility Pro	1,714	NA
Radeon HD 5770	1,713	115.99*
Radeon HD 7750	1,713	144.99
Quadro P500	1,710	NA
FirePro W600	1,704	319.99*
Quadro P400	1,700	106.94
FirePro W4100 Adapter	1,693	NA
Radeon HD 6770	1,686	76.99*
Quadro K2000D	1,679	140.00
FirePro W5130M	1,674	NA
Radeon RX 550X	1,667	NA
GeForce GTX 850M	1,663	NA
Radeon Vega 10 Mobile	1,661	NA
Radeon HD 8870M	1,638	NA
Radeon Vega 8 Mobile	1,631	NA
FirePro M4000	1,629	NA
GeForce MX110	1,620	NA
Ryzen 7 2700U with Radeon Vega	1,617	NA
Radeon 540X	1,617	NA
Quadro M520	1,612	NA
FirePro W4100	1,606	159.99*
GeForce GT 755M	1,603	NA
Intel Iris 550	1,586	NA
Radeon 540	1,583	NA
Intel Iris Plus 650	1,579	NA
Radeon E8860	1,577	NA
GeForce GT 740	1,569	94.99*
GeForce 945M	1,558	NA

GeForce GTS 450	1,557	64.99*
Radeon Vega 6	1,546	1,799.99*
Radeon HD 8470D + HD 7500 Dual	1,545	NA
Radeon HD 4890	1,544	109.99*
GeForce GTX 560M	1,542	NA
FirePro V5900	1,534	319.99*
Radeon R9 M275X / M375	1,525	NA
Radeon HD 7870M	1,507	NA
Ryzen 5 2500U with Radeon Vega	1,503	NA
FirePro 3D V5800	1,487	369.99*
Radeon HD 7660D + HD 6670 Dual	1,485	NA
Quadro 3000M	1,465	69.99*
Radeon HD 5750	1,460	69.41*
GeForce GTX 660M	1,448	NA
Radeon R9 M270X	1,445	NA
Intel Iris Plus 640	1,442	NA
GeForce GTX 760M	1,440	NA
Radeon R5 A10-9630P 4C+6G	1,437	NA
Radeon HD 7730	1,427	49.99*
Radeon HD 7560D + 7670 Dual	1,426	NA
Radeon R7 M370	1,418	NA
Radeon R7 250	1,403	106.45
GeForce GTX 460M	1,398	NA
Radeon HD 4870	1,384	59.99*

** - Last price seen from our affiliates.*

Video Card

Software

BurnInTest
PerformanceTest
OSForensics
MemTest86
WirelessMon
Zoom Search Engine
Free Software

Hardware

USB3.0 Loopback Plugs
USB2.0 Loopback Plugs
PCIe Test Cards
USB Power Delivery Tester
Serial and Parallel Loopback Plugs
USB Short Circuit Testers

Benchmarks

CPU Benchmarks
Video Card Benchmarks
Hard Drive Benchmarks
RAM Benchmarks
PC Systems Benchmarks
Android Benchmarks
iOS / iPhone Benchmarks

About Us

Company
Contact Us
The Press Room

Services

Store
Support
Forums

International

Disclaimer
Refunds
Privacy

Social

Copyright © 2020 PassMark® Software