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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.

G3D Mark | Price Performance

(Click to select desired chart)

PassMark - G3D Mark High End Videocards - Updated 20th of October 2017

		Price (USD)
GeForce GTX 1080 Ti	13,454	\$744.99
Quadro P6000	13,218	\$4,849.00
NVIDIA TITAN X	13,074	\$1,200.00*
NVIDIA TITAN Xp	12,870	\$1,200.00*
GeForce GTX 1080	12,011	\$499.99
Radeon RX Vega 64	11,734	\$569.99
Radeon Vega Frontier Edition	11,708	\$999.99
Radeon RX Vega	11,533	\$459.99
GeForce GTX 980 Ti	11,307	\$565.50
Radeon RX Vega 56	11,113	NA
GeForce GTX 1070	10,961	\$389.99
GeForce GTX 1080 with Max-Q Design	10,751	NA
GeForce GTX TITAN X	10,663	\$3,370.62
Quadro P4000	10,392	\$759.89

Quadro P5000	10,215	\$1,829.99
Quadro M6000 24GB	10,204	NA
GeForce GTX 980	9,569	\$412.66
Radeon Pro Duo	9,482	\$999.99
Quadro M6000	9,441	\$4,499.99
Radeon R9 Fury	9,417	\$399.99*
Quadro M5500	9,323	NA
Quadro GP100	9,214	NA
Radeon Pro WX 9100	9,114	NA
GeForce GTX 780 Ti	8,881	\$369.99
Quadro P4000 with Max-Q Design	8,815	NA
GeForce GTX 1060	8,716	\$259.99
GeForce GTX 1060 3GB	8,624	\$199.99
GeForce GTX TITAN Black	8,574	\$999.99*
Quadro M5000	8,560	\$1,799.99
GeForce GTX 970	8,556	\$329.99
Quadro P2000	8,529	\$417.09
Radeon R9 390X	8,487	NA
Radeon R9 Fury + Fury X	8,361	\$599.99
Radeon RX 580	8,248	\$249.99
FirePro W8100 Graphic Adapter	8,219	NA
Radeon RX 480	8,116	\$399.99
Radeon R9 390	7,988	NA
GeForce GTX 780	7,971	\$249.99*
Radeon Pro WX 7100	7,906	\$609.99
GeForce GTX Titan	7,888	\$1,219.99
GeForce GTX TITAN Z	7,718	\$3,799.99
Quadro K6000	7,716	\$2,298.89*
GRID M60-2Q	7,621	NA
Radeon R9 295X2	7,521	\$1,999.99*
Radeon RX 470	7,417	\$289.99
Radeon R9 290X / 390X	7,349	\$599.99
Radeon R9 290 / 390	7,065	\$297.22
Radeon RX 570	7,049	\$239.99
FirePro W9100	6,984	\$2,599.99
GeForce GTX 1070 with Max-Q Design	6,943	NA
Quadro M4000	6,761	\$759.99
Quadro K5200	6,139	\$1,350.00
Radeon R9 380X	6,101	\$528.44
GeForce GTX 770	6,091	\$399.99
Radeon R9 380	6,071	\$264.99*
GeForce GTX 1060 with Max-Q Design	5,939	NA
FirePro W8100	5,935	\$869.99
Radeon R9 280X	5,826	NA
GeForce GTX 960	5,800	\$139.00

FirePro W7100 Adapter	5,794	NA
Radeon R9 M395X	5,762	NA
GeForce GTX 1050 Ti	5,728	\$149.99
GeForce GTX 980M	5,721	NA
Radeon Pro WX 5100	5,703	\$319.99
GeForce GTX 680	5,688	\$199.20
Radeon R9 285 / 380	5,552	\$279.99
Radeon HD 7990	5,484	\$1,126.99*
FirePro W9000	5,394	\$3,443.99*
Quadro M5000M	5,392	NA
FirePro W7100	5,374	\$559.99*
GeForce GTX 670	5,373	\$464.99*
Radeon R9 280	5,341	NA
GeForce GTX 690	5,338	\$999.00*
GRID M60-1Q	5,309	NA
Radeon HD 7970 / R9 280X	5,248	\$299.99
GeForce GTX 950	5,194	\$149.99
Radeon R9 M395	5,190	NA
Quadro P1000	5,183	\$329.99
Radeon R9 M295X	5,150	NA
GeForce GTX 760 Ti	5,071	\$297.50*
Quadro P3000	5,030	NA
GeForce GTX 580	5,019	\$289.88*
GeForce GTX 760	4,941	\$259.99*
Radeon HD 8990	4,916	NA
FirePro W7170M	4,795	NA
Radeon HD 7950 / R9 280	4,764	\$299.99
FirePro W8000 Adapter	4,752	NA
Radeon RX 560	4,723	\$109.99
Radeon R9 370	4,722	NA
GeForce GTX 660 Ti	4,681	\$344.99
Radeon R9 270X	4,661	\$229.99
Radeon R7 370	4,653	NA
Quadro K4200	4,462	\$718.99*
Quadro M4000M	4,431	NA
FirePro W8000	4,428	\$1,048.99*
Radeon HD 7870 XT	4,423	NA
GeForce GTX 570	4,417	\$99.99*
GeForce GTX 1050	4,377	\$119.99
GeForce GTX 680MX	4,372	NA
GeForce GTX 480	4,354	\$71.99*
Radeon HD 7870	4,348	\$119.99
GRID K520	4,340	NA
Radeon RX 460	4,326	\$99.99
Quadro M2000	4,301	\$404.99

Radeon R9 270 / R7 370	4,264	\$167.41
Radeon R9 M290X	4,248	NA
FirePro W7000 Adapter	4,248	NA
Quadro M3000M	4,230	NA
GeForce GTX 775M	4,186	NA
GeForce GTX 590	4,184	\$184.00*
FirePro W7000	4,167	\$569.99*
FirePro S7000	4,166	NA
GeForce GTX 660	4,122	\$149.00
Radeon R9 M390X	4,118	NA
Quadro K5000	4,011	\$440.79
GeForce GTX 780M	4,001	NA
Radeon Pro WX4100	3,949	NA
GeForce GTX 970M	3,894	\$2,489.99
Radeon HD 8970M	3,889	NA
Radeon Pro WX 4100	3,846	\$259.99
Radeon HD 7850	3,822	\$229.99
Radeon HD 7970M	3,783	NA
GRID K2	3,773	\$1,925.00
Tesla C2050 / C2070	3,756	NA
GeForce GTX 750 Ti	3,698	\$99.99
GeForce GTX 470	3,607	\$522.01*
Radeon Pro 560	3,605	NA
GeForce GTX 880M	3,595	NA
GeForce GTX 680M KY_Bullet Edition	3,569	NA
Radeon RX 550	3,563	\$79.99
Radeon R9 M470X	3,548	NA
GeForce GTX 560 Ti	3,537	\$138.00*
GeForce GTX 650 Ti BOOST	3,532	NA
Quadro K2200	3,531	\$399.99
GRID M60-8Q	3,509	NA
Radeon Pro WX 3100	3,508	NA
Radeon HD 6970	3,496	\$94.99*
Quadro 6000	3,495	\$420.00
Tesla C2050	3,485	NA
Quadro M2200	3,397	NA
GeForce GTX 680M	3,376	\$186.49
Radeon E8870PCIe	3,368	NA
Tesla C2075	3,324	\$2,269.99*
GeForce GTX 750	3,276	\$139.99
Radeon R7 360	3,266	\$79.99
Radeon HD 6950	3,195	\$89.99*
Radeon HD8970M	3,194	NA
FirePro V7000 Adapter	3,162	NA
Radeon Pro 555	3,141	NA

Radeon R7 260X	3,137	\$149.99
GeForce GTX 560	3,127	\$353.59*
Quadro P600	3,104	\$172.99
MxGPU	3,091	NA
Quadro K1200	3,070	\$302.61
Radeon HD 8950	3,068	NA
FirePro W5000	3,060	\$434.00*
Radeon R9 M380	3,048	NA
Radeon R9 360	3,046	\$519.00*
Radeon HD 7790	3,044	\$169.99
Tesla C2070	3,040	NA
Quadro K5100M	3,038	NA
Radeon R9 260	3,018	NA
FirePro W4300	3,014	\$249.99
GeForce GTX 965M	3,012	NA
FirePro W5100	2,994	\$259.99
GeForce GTX 465	2,955	\$263.28*
GRID K260Q	2,941	NA
FirePro M6100	2,893	NA
Radeon R7 260	2,885	\$89.99*
Quadro K4000	2,861	\$275.88
Radeon HD 6990	2,859	\$159.99*
Quadro M620	2,857	NA
FirePro 3D V9800	2,812	\$2,499.00*
Quadro 5000	2,799	\$265.00
Radeon Pro 450	2,798	NA
Quadro M1200	2,735	NA
FirePro V9800 Adapter	2,716	NA
FirePro V7900	2,702	\$119.99*
Quadro M2000M	2,692	NA
GeForce GTX 650 Ti	2,657	\$164.99
GeForce GTX 460	2,656	\$89.99*
GeForce GTX 770M	2,629	\$177.99
Radeon HD 5970	2,610	\$329.99*
Radeon HD 5870	2,609	\$99.99*
Radeon HD 6870	2,598	\$89.99*
Quadro K5000M	2,587	\$329.99*
GeForce GTX 460 v2	2,534	\$199.99*
Device	2,502	NA
Quadro K4100M	2,436	NA
FirePro 3D V8800	2,407	\$424.99*
GeForce GTX 675MX	2,400	NA
Quadro K2200M	2,384	NA
GeForce GTX 485M	2,342	NA
Quadro K620	2,324	\$159.14

GeForce GTX 870M	2,298	NA
GeForce GTX 580M	2,291	NA
GeForce GT 1030	2,287	\$69.99
Quadro K4000M	2,283	NA
Intel Iris Pro P580	2,273	NA
Radeon R9 M375X	2,271	NA
Radeon HD 6850	2,268	\$99.99*
Radeon HD 5850	2,266	\$79.99*
GeForce GTX 960A	2,262	NA
Radeon R9 350	2,261	\$139.99
GeForce GTX 1070 with MaxQ Design	2,251	NA
GeForce GTX 460 SE	2,245	\$159.99*
GRID K280Q	2,243	NA
GeForce GT 645	2,215	NA
GeForce GTX 560 SE	2,214	\$89.99*
Radeon HD 7770	2,200	\$327.00
Radeon Pro WX 2100	2,194	NA
GeForce GTX 555	2,174	NA
GeForce GTX 745	2,168	NA
Firepro W5170M	2,164	NA
Radeon R7 450	2,158	NA
RadeonT R7 450	2,156	NA
Radeon TM R9 A360	2,148	NA
GRID K240Q	2,144	NA
GeForce GTX 675M	2,143	NA
Quadro M1000M	2,103	\$200.89*
FirePro M5100	2,079	NA
GeForce GTX 670MX	2,058	NA
GeForce GTX 960M	2,049	NA
GeForce GTX 480M	2,043	NA
Radeon HD 5830	2,040	\$159.99*
Radeon HD 6790	2,040	\$64.99*
Quadro 5000M	2,039	NA
GeForce GTX 570M	2,026	NA
Quadro 4000	2,004	\$188.99
Radeon R7 + R7 350 Dual	1,982	NA
Radeon R7 + HD 7700 Dual	1,962	NA
Radeon HD 7660D + HD 7700 Dual	1,958	NA
Matrox C680 PCIe x16	1,952	NA
GeForce GTX 470M	1,950	NA
Radeon HD 6900M	1,928	NA
Quadro K3100M	1,927	\$1,999.00*
Quadro P400	1,927	\$135.00
GeForce GTX 550 Ti	1,926	\$287.59*
Radeon R9 M370X	1,923	NA

GeForce GTX 645	1,921	NA
Intel Iris Pro 580	1,917	NA
GeForce GTX 670M	1,915	NA
GeForce MX150	1,911	NA
Radeon R9 M360	1,892	NA
GeForce GTX 765M	1,870	NA
Radeon HD 8570D + HD 7700 Dual	1,835	NA
GeForce GTX 650	1,831	\$119.99
Intel Iris Plus 650	1,828	NA
Matrox C900 PCIe x16	1,812	NA
FirePro 3D V7800	1,810	\$599.99*
Radeon HD 8870M / R9 M270X / M370X	1,800	NA
FirePro W4100 Adapter	1,799	NA
Quadro 4000M	1,797	\$449.00*
Radeon HD 8670D + 7700 Dual	1,789	NA
Radeon R7 FX-9830P RADEON	1,783	NA
FirePro W600	1,766	\$429.99
Quadro M600M	1,762	NA
Radeon 540	1,761	NA
Quadro 5010M	1,748	NA
Radeon R9 255	1,746	\$326.00*
GeForce GTX 860M	1,737	NA
Quadro K3000M	1,727	\$155.00*
GeForce GTX 950M	1,717	NA
Radeon E8860	1,716	NA
FirePro M4000 Mobility Pro	1,710	NA
Radeon HD 5770	1,699	\$115.99*
Quadro K2000	1,697	\$209.00
Radeon HD 7750	1,689	\$109.99
FirePro M6000 Mobility Pro	1,681	NA
FirePro W5130M	1,675	NA
Radeon HD 6770	1,674	\$76.99*
Intel Iris 550	1,660	NA
Quadro K2000D	1,660	\$501.99
Radeon HD 8870M	1,640	NA
FirePro W4100	1,635	\$139.99
GeForce GT 755M	1,579	NA
GeForce GT 740	1,578	\$94.99*
GeForce GTS 450	1,558	\$64.99*
GeForce GTX 560M	1,555	NA
FirePro M4000	1,542	NA
Radeon HD 4890	1,536	\$109.99*
FirePro V5900	1,524	\$319.99*
GeForce GTX 850M	1,506	NA
GeForce 945M	1,501	NA

Radeon R9 M275X / M375	1,496	NA
Intel Iris Pro 6200	1,489	NA
Radeon HD 7660D + HD 6670 Dual	1,485	NA
Radeon HD 7870M	1,478	NA
Intel Iris Plus 640	1,473	NA
Quadro M520	1,442	NA
Quadro 3000M	1,438	\$391.23*
Radeon HD 7560D + 7670 Dual	1,426	NA
Radeon HD 5750	1,425	\$69.41*
Radeon R9 M270X	1,418	NA
GeForce GTX 660M	1,416	NA
FirePro 3D V5800	1,415	\$369.99*
Radeon R7 250	1,411	\$58.97
GeForce GTX 760M	1,404	NA
Radeon HD 7730	1,400	\$49.99*
Radeon R7 A12-9800 RADEON	1,398	NA
Radeon R7 430	1,398	NA
Radeon R7 M370	1,395	NA
GeForce GTX 460M	1,390	NA
Radeon HD 4870	1,381	\$59.99*
Radeon R7 PRO A12-8870	1,378	NA
Radeon HD 7850M	1,373	NA
Radeon R7 PRO A10-9700	1,371	NA
GeForce GTX 950A	1,367	NA
Radeon HD 8670D + 6670 Dual	1,361	NA
Intel Iris 540	1,359	NA
FirePro M40003	1,356	NA
Radeon R7 PRO A12-9800	1,347	NA
Radeon HD 7560D + HD 7700 Dual	1,347	NA
FireStream 9270	1,341	NA
Barco MXRT 5400	1,335	NA
Radeon R7 PRO A10-8770	1,320	NA
Radeon HD 8670D + HD 7600 Dual	1,318	NA
Radeon R5 A10-9630P RADEON R5, 10 COMPUTE CORES 4C	1,316	NA
FirePro M5950	1,314	NA
Quadro 2000	1,312	\$119.00
Radeon R7 M465	1,306	NA
Radeon HD 6750	1,304	\$49.99*
FirePro V4900	1,299	\$144.99*
GeForce GT 545	1,288	\$55.59*
Radeon R7 + R7 200 Dual	1,288	NA
Quadro K2100M	1,287	\$174.99*
GeForce GT 750M	1,286	NA
Quadro 2000D	1,283	\$219.99*
Radeon HD 4870 X2	1,283	NA

GeForce GT 640	1,282	\$59.99*
GeForce GTX 760A	1,281	NA
Radeon R7 A370	1,281	NA
Radeon HD 8790M	1,280	NA
FirePro 3D V8750	1,272	\$1,230.99*
GeForce GTX 285	1,269	\$179.99*
Radeon R9 M265X	1,269	NA
Radeon HD 8570D + HD 6670 Dual	1,261	NA
Radeon R7 PRO A8-8670E	1,248	NA
Radeon HD 8570D + 6570 Dual	1,239	NA
Radeon HD 7660D + 6670 Dual	1,238	NA
GeForce GTX 275	1,237	\$119.99*
Radeon HD 8790M / R9 M290X	1,237	NA
GeForce 940MX	1,234	NA
Intel HD P630	1,233	NA
Mobility Radeon HD 5870	1,231	NA
Radeon HD 8670D + HD 6670 Dual	1,222	NA
FirePro W4170M	1,219	NA
Radeon R7 A10-9700 RADEON	1,218	NA
FirePro 3D V8700	1,218	\$199.99*
Radeon R7 PRO A10-9700E	1,218	NA
Firepro W4190M	1,217	NA
GeForce GT 650M	1,212	NA
Radeon R7 A10-7890K	1,205	NA
Intel HD 630	1,205	NA
FirePro V4800	1,205	NA
Radeon R7 A8-9600 RADEON	1,203	NA
Radeon R9 M375	1,202	NA
GeForce GTX 280	1,201	\$608.71*
Radeon HD 7750M	1,191	NA
Radeon R7 PRO A10-8770E	1,185	NA
Quadro 2000 D	1,182	NA
Intel Iris Pro 5200	1,176	NA
GeForce 930A	1,174	NA
GeForce GPU	1,169	NA
FireStream 9250	1,165	NA
Intel UHD 620	1,161	NA
Radeon R7 PRO A12-8870E	1,160	NA
Radeon R7 A10-7870K	1,154	NA
NVS 810	1,153	\$629.99
GeForce GT 745A	1,147	NA
Radeon HD 8850M / R9 M265X	1,140	NA
GeForce 930MX	1,135	NA
Radeon HD 7560D + 6670 Dual	1,131	NA
GeForce GTX 260	1,130	\$95.38*

Radeon HD 4850 X2	 1,128	NA
FirePro M4170	 1,114	NA
Radeon R9 M275	 1,112	\$799.99
Radeon R7 M260X	 1,105	NA
Radeon HD 7670	 1,101	NA
Radeon HD 7660D + 6570 Dual	 1,100	NA
Intel UHD 630	 1,097	NA
FirePro M4150	 1,093	NA
Quadro FX 5800	 1,085	\$259.99*
Quadro K2000M	 1,084	\$265.27*
Radeon R7 PRO A8-9600	 1,083	NA
FirePro 3D V4800	 1,083	\$159.99*
Intel HD P530	 1,080	NA
Radeon HD 5670	 1,073	\$47.84*

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* - Last price seen from our affiliates.

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