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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
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High End Videocards - Updated 29th of September 2018

		Price (USD)
GeForce RTX 2080 Ti	17,270	NA
TITAN Xp COLLECTORS EDITION	15,255	NA
GeForce RTX 2080	15,233	\$789.99
TITAN V	14,804	\$3,099.99
NVIDIA TITAN Xp	14,787	\$1,200.00*
GeForce GTX 1080 Ti	14,060	\$649.99
NVIDIA TITAN X	13,456	\$1,200.00*
Quadro P6000	13,163	\$4,459.00
Quadro GP100	12,848	NA
GeForce GTX 1080	12,309	\$459.99
Radeon RX Vega	12,298	\$414.99
Quadro GV100	12,238	NA
GeForce GTX 1070 Ti	12,122	\$399.99
Radeon Pro Vega 56	11,897	NA
Radeon RX Vega 64	11,735	\$509.99
Radeon Vega Frontier Edition	11,386	\$999.99*
Radeon RX Vega 56	11,352	NA
GeForce GTX 980 Ti	11,342	\$679.99
GeForce GTX 1070	11,197	\$369.99
Radeon Pro WX 9100	10,783	NA
GeForce GTX TITAN X	10,663	\$1,999.99*
Quadro P5200	10,478	NA
Radeon Pro SSG	10,452	NA
Radeon Pro Vega 64	10,426	NA


















































GeForce GTX 1080 with Max-Q Design	10,386	NA
Quadro P4000	10,385	\$799.99
Quadro P4200	10,232	NA
VRVD5	10,222	NA
Quadro P5000	10,194	\$1,789.99
Radeon PRO WX 8200	10,193	NA
Quadro M6000 24GB	9,937	NA
GeForce GTX 980	9,598	\$567.06
Radeon Pro Duo	9,458	\$619.99
Quadro M5500	9,323	NA
Quadro M6000	9,287	\$2,398.00
Radeon R9 Fury	9,122	\$399.99*
Quadro P4000 with Max-Q Design	9,083	NA
GeForce GTX 1070 with Max-Q Design	9,045	NA
GeForce GTX 1060	8,994	\$269.99
GeForce GTX 1060 3GB	8,925	\$219.99
GeForce GTX 780 Ti	8,889	\$749.99*
GeForce GTX 1060 5GB	8,642	NA
GeForce GTX TITAN Black	8,608	\$999.99*
GeForce GTX 970	8,595	\$433.08*
Radeon R9 390X	8,565	NA
Quadro M5000	8,477	\$1,498.00
Radeon R9 Fury + Fury X	8,426	\$399.99*
Radeon RX 580	8,401	\$219.99
FirePro W9100 Adapter	8,299	NA
Quadro P3200 with Max-Q Design	8,241	NA
Radeon RX 480	8,118	\$299.95
Radeon R9 390	8,083	NA
GeForce GTX 780	7,962	\$740.99*
GeForce GTX Titan	7,928	\$2,054.59*
Radeon Pro WX 7100	7,893	\$549.99
GeForce GTX TITAN Z	7,754	\$1,580.00*
Radeon Pro 580	7,753	NA
Quadro P2000	7,734	\$429.99
GeForce GTX 1060 with Max-Q Design	7,688	NA
Radeon R9 295X2	7,669	\$1,099.99*
Quadro K6000	7,604	\$1,299.98*
Quadro P3200	7,588	NA
Radeon RX 470	7,488	\$199.99
Radeon R9 290X / 390X	7,408	\$688.88
Tesla M60	7,233	NA
FirePro W9100	7,215	\$2,749.99*
Radeon R9 290 / 390	7,118	\$880.52*
Radeon RX Vega M GH	6,865	NA
Radeon RX 570	6,681	\$167.95
Quadro M4000	6,675	\$689.98
Radeon RX580	6,494	NA
Radeon R9 380X	6,181	\$528.44*
Radeon R9 380	6,116	\$264.99*
Quadro K5200	6,113	\$699.98
	6,079	


















































GeForce GTX 770		\$449.99*
FirePro W8100	5,978	\$999.99*
GeForce GTX 1050 Ti	5,936	\$169.00
GRID M60-2Q	5,904	NA
GeForce GTX 980M	5,887	NA
Radeon R9 280X	5,843	NA
GeForce GTX 960	5,803	\$229.99*
GeForce GTX 1050 Ti with Max-Q Design	5,784	NA
Radeon R9 M395X	5,757	NA
GeForce GTX 680	5,677	\$579.99*
FirePro W7100 Adapter	5,647	NA
Radeon R9 285 / 380	5,554	\$446.44
Radeon Pro WX 5100	5,527	\$359.99
Radeon HD 7990	5,520	\$1,126.99*
Quadro M5000M	5,478	NA
Quadro P3000	5,432	NA
FirePro W7100	5,398	\$629.99*
FirePro W9000	5,394	\$3,443.99*
Radeon R9 280	5,386	NA
GeForce GTX 690	5,373	\$999.00*
GeForce GTX 670	5,371	\$474.99*
Radeon HD 7970 / R9 280X	5,248	\$349.97
GeForce GTX 950	5,210	\$194.44*
Radeon R9 M295X	5,150	NA
GeForce GTX 760 Ti	5,109	\$297.50*
Radeon RX Vega M GL	5,031	NA
GeForce GTX 580	5,021	\$289.88*
Radeon R9 M395	5,007	NA
GeForce GTX 760	4,938	\$249.99*
Radeon HD 8990	4,893	NA
GRID M60-1Q	4,873	NA
Quadro P2000 with Max-Q Design	4,794	NA
Radeon HD 7950 / R9 280	4,765	\$393.98
FirePro W8000 Adapter	4,752	NA
Radeon R9 370	4,722	NA
Radeon R9 270X	4,685	\$299.00*
GeForce GTX 660 Ti	4,668	\$321.99*
Radeon R7 370	4,657	NA
FirePro W7170M	4,643	NA
GeForce GTX 1050	4,598	\$136.99
Quadro P1000	4,580	\$319.99
Quadro M4000M	4,568	NA
FirePro W8000	4,532	\$1,048.99*
Quadro K4200	4,471	\$446.99*
Radeon HD 7870 XT	4,456	NA
Quadro M3000M	4,430	NA
GRID P6-4Q	4,429	NA
GeForce GTX 570	4,418	\$99.99*
Radeon RX 560	4,413	\$114.99
GRID K520	4,384	NA
	4,369	

Radeon HD 7870		\$489.99
GeForce GTX 480	4,359	\$71.99*
Radeon R9 M390X	4,357	NA
GeForce GTX 680MX	4,354	NA
Radeon RX 460	4,339	\$169.50
Barco MXRT 7500	4,319	NA
GeForce GTX 1050 with Max-Q Design	4,312	NA
Quadro M2000	4,307	\$399.00
FirePro W7000	4,287	\$569.99*
Radeon R9 270 / R7 370	4,262	\$147.49
GeForce GTX 590	4,210	\$184.00*
GeForce GTX 775M	4,176	NA
FirePro S7000	4,166	NA
GRID P6-2Q	4,163	NA
GeForce GTX 660	4,127	\$349.99*
GeForce GTX 970M	4,085	\$1,899.00*
FirePro W7000 Adapter	4,027	NA
Radeon Pro WX 4100	4,026	\$259.99
Quadro K5000	4,018	\$319.99
GeForce GTX 780M	4,005	NA
Radeon R9 M290X	4,002	NA
Radeon Pro WX4100	3,949	NA
GRID M60-8Q	3,909	NA
Radeon HD 8970M	3,876	NA
Radeon RX480	3,858	NA
Radeon HD 7850	3,839	\$449.59
Radeon HD 7970M	3,803	NA
GRID K2	3,773	\$1,177.00
Tesla C2050 / C2070	3,756	NA
GeForce GTX 750 Ti	3,733	\$299.01*
GeForce GTX 880M	3,659	NA
GeForce GTX 470	3,604	\$522.01*
Radeon R9 M470X	3,597	NA
Quadro K2200	3,564	\$337.99
Radeon Pro 560	3,553	NA
Device	3,545	NA
GeForce GTX 650 Ti BOOST	3,535	NA
GeForce GTX 560 Ti	3,534	\$138.00*
Quadro 6000	3,518	\$420.99
Radeon HD 6970	3,515	\$94.99*
Quadro P620	3,475	\$174.99
Tesla C2050	3,465	NA
Quadro M2200	3,455	NA
Radeon Pro 460	3,453	NA
Radeon RX 550	3,445	\$89.99
Radeon Pro WX 3100	3,403	NA
Tesla C2075	3,364	\$2,269.99*
GeForce GTX 680M	3,354	\$499.99*
Radeon RX550	3,313	NA
Radeon R7 360	3,309	\$146.65*
	3,300	

GeForce GTX 750		\$150.99*
GRID M60-4Q	3,291	NA
Radeon HD 6950	3,211	\$89.99*
Radeon Pro WX 4150	3,177	NA
GeForce GTX 965M	3,162	NA
FirePro V7000 Adapter	3,162	NA
Radeon R7 260X	3,161	\$239.00*
Radeon Pro 555	3,141	NA
Radeon HD8970M	3,131	NA
GeForce GTX 560	3,120	\$353.59*
Quadro K5100M	3,115	\$309.99
Tesla C2070	3,098	NA
Radeon R9 M380	3,085	NA
Radeon HD 7790	3,066	\$134.99*
FirePro W5000	3,060	\$434.00*
Radeon R9 360	3,039	\$519.00*
Radeon HD 8950	3,031	NA
Quadro K1200	3,028	\$289.99
Radeon R9 260	3,018	NA
Quadro P600	3,009	\$169.99
FirePro W5100	3,003	\$279.13*
GeForce GTX 465	2,950	\$263.28*
GRID K260Q	2,941	NA
Quadro M1200	2,924	NA
FirePro M6100	2,912	NA
FirePro W4300	2,894	\$239.99*
Radeon R7 260	2,892	\$89.99*
Quadro K4000	2,884	\$240.00
Radeon HD 6990	2,859	\$159.99*
Quadro 5000	2,839	\$142.23
FirePro 3D V9800	2,812	\$2,499.00*
Quadro M620	2,808	NA
Quadro M2000M	2,802	NA
Radeon RX540	2,788	NA
Radeon Pro WX 4130	2,768	NA
FirePro V9800 Adapter	2,731	NA
Radeon Pro 450	2,723	NA
FirePro V7900	2,718	\$119.99*
GeForce GTX 650 Ti	2,660	\$169.99*
GeForce GTX 460	2,656	\$89.99*
GeForce GTX 770M	2,645	\$177.99*
Radeon HD 5870	2,618	\$99.99*
Radeon HD 6870	2,609	\$89.99*
Radeon HD 5970	2,592	\$329.99*
Quadro K5000M	2,590	\$391.00*
Quadro K2200M	2,572	NA
Quadro K4100M	2,553	\$379.99*
FirePro 3D V8800	2,507	\$424.99*
GeForce GTX 460 v2	2,497	\$199.99*
MxGPU	2,487	NA
	2,435	

Radeon R9 M470		NA
GeForce GTX 675MX	 2,390	NA
GeForce GTX 870M	 2,387	NA
GeForce GTX 485M	 2,383	NA
GeForce GTX 960A	 2,359	NA
Quadro K620	 2,324	\$184.99
GRID K280Q	 2,323	NA
Radeon RX Vega 11	 2,320	NA
GeForce GTX 580M	 2,315	NA
Radeon RX Vega 11 Processor	 2,313	NA
Radeon HD 6850	 2,284	\$99.99*
Radeon HD 5850	 2,279	\$79.99*
Quadro M1000M	 2,278	\$200.89*
Radeon R7 250X	 2,269	\$260.69*
Quadro K4000M	 2,262	NA
GeForce GTX 460 SE	 2,249	\$159.99*
GeForce GTX 960M	 2,231	NA
Radeon R9 350	 2,231	\$123.77*
GeForce GT 1030	 2,220	\$77.99
Radeon HD 7770	 2,216	\$315.59
GeForce GT 645	 2,215	NA
Radeon Vega 11	 2,202	NA
GeForce GTX 560 SE	 2,199	\$89.99*
RadeonT R7 450	 2,187	NA
Firepro W5170M	 2,186	NA
GeForce GTX 745	 2,178	NA
Radeon R7 450	 2,175	\$87.95
GeForce GTX 555	 2,173	NA
Radeon TM R9 A360	 2,148	NA
GRID K240Q	 2,144	NA
GeForce GTX 675M	 2,138	NA
GeForce MX150	 2,122	NA
Radeon Pro WX 2100	 2,117	NA
FirePro M5100	 2,097	NA
Radeon R9 M375X	 2,096	NA
Intel Iris Pro P580	 2,081	NA
GeForce GTX 670MX	 2,069	NA
Radeon R7 M465X	 2,057	NA
Radeon HD 5830	 2,048	\$159.99*
Radeon HD 6790	 2,045	\$64.99*
GeForce GTX 480M	 2,040	NA
Quadro 5000M	 2,039	NA
Quadro 4000	 2,033	\$140.42
GeForce GTX 570M	 2,024	NA
Quadro K3100M	 2,016	\$1,999.00*
Intel Iris Plus 655	 1,999	NA
Radeon R9 M360	 1,993	NA
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
	 1,952	

Matrox C680 PCIe x16		NA
GeForce GTX 470M	 1,950	NA
Radeon HD 6900M	 1,946	NA
GeForce GTX 670M	 1,933	NA
GeForce GTX 645	 1,927	NA
GeForce GTX 550 Ti	 1,926	\$287.59*
Radeon R9 M370X	 1,925	NA
Radeon Vega 8	 1,895	NA
Quadro M600M	 1,888	NA
GeForce MX130	 1,884	NA
GeForce GTX 765M	 1,883	NA
GeForce GTX 860M	 1,872	NA
Intel Iris Pro 580	 1,852	NA
Radeon HD 8570D + HD 7700 Dual	 1,835	NA
Radeon Vega 10	 1,834	NA
GeForce GTX 650	 1,833	\$144.81*
GeForce GTX 950M	 1,829	NA
Quadro 5010M	 1,825	\$235.95*
Matrox C900 PCIe x16	 1,812	NA
FirePro 3D V7800	 1,810	\$599.99*
Quadro 4000M	 1,808	\$111.99
Radeon HD 8870M / R9 M270X / M370X	 1,800	NA
Radeon R7 FX-9830P RADEON	 1,795	NA
Radeon HD 8670D + 7700 Dual	 1,789	NA
Radeon R9 255	 1,787	\$347.07*
Quadro K3000M	 1,768	\$155.00*
Radeon Vega 6	 1,757	NA
FirePro W4100 Adapter	 1,741	NA
Quadro P400	 1,736	\$119.98
FirePro W600	 1,735	\$479.99*
FirePro M6000 Mobility Pro	 1,728	NA
FirePro M4000 Mobility Pro	 1,723	NA
Quadro K2000	 1,716	\$164.99
Radeon HD 5770	 1,708	\$115.99*
Radeon HD 7750	 1,702	\$179.00
Radeon HD 6770	 1,680	\$76.99*
Quadro K2000D	 1,674	\$460.00
Radeon Vega 8 Mobile	 1,669	NA
Quadro P500	 1,658	NA
Ryzen 7 2700U with Radeon Vega	 1,642	NA
Radeon HD 8870M	 1,638	NA
Radeon 540	 1,619	NA
FirePro W4100	 1,611	\$159.99*
Intel Iris 550	 1,606	NA
FirePro M4000	 1,595	NA
FirePro W5130M	 1,584	NA
GeForce GT 755M	 1,582	NA
GeForce GTX 850M	 1,578	NA
Radeon E8860	 1,577	NA
GeForce GT 740	 1,573	\$94.99*
	 1,559	

Intel Iris Plus 650		NA
GeForce GTS 450	 1,558	\$64.99*
GeForce GTX 560M	 1,549	NA
Radeon HD 8470D + HD 7500 Dual	 1,545	NA
Radeon HD 4890	 1,541	\$109.99*
GeForce GTX 950A	 1,533	NA
Intel Iris Pro Graphics 6200	 1,529	NA
FirePro V5900	 1,527	\$319.99*
Radeon RX Vega 10	 1,517	NA
Quadro M520	 1,516	NA
Radeon R9 M275X / M375	 1,501	NA
Ryzen 5 2500U with Radeon Vega	 1,496	NA
Radeon HD 7660D + HD 6670 Dual	 1,485	NA
Radeon HD 7870M	 1,478	NA
GeForce MX110	 1,470	NA
Radeon R5 A10-9630P RADEON R5, 10 COMPUTE CORES 4C	 1,463	NA
FirePro 3D V5800	 1,463	\$369.99*
Quadro 3000M	 1,459	\$84.99*
Radeon HD 5750	 1,440	\$69.41*
GeForce GTX 660M	 1,434	NA
GeForce 945M	 1,434	NA
Radeon HD 7730	 1,429	\$49.99*
Radeon HD 7560D + 7670 Dual	 1,426	NA
Radeon R9 M270X	 1,418	NA
GeForce GTX 760M	 1,417	NA
Radeon R7 430	 1,411	NA
Radeon R7 M370	 1,411	NA
Radeon R7 250	 1,405	\$78.34
15DD	 1,403	NA
GeForce GTX 460M	 1,393	NA
Intel Iris Plus 640	 1,393	NA
Radeon HD 4870	 1,382	\$59.99*
Radeon R7 PRO A12-8870	 1,376	NA
Radeon HD 7850M	 1,373	NA
Radeon R7 PRO A10-9700	 1,368	NA
FirePro M40003	 1,364	NA
Radeon HD 8670D + 6670 Dual	 1,361	NA
Radeon R7 PRO A12-9800	 1,347	NA
Radeon HD 7560D + HD 7700 Dual	 1,347	NA
Intel Iris 540	 1,345	NA
FireStream 9270	 1,341	NA
GeForce 940MX	 1,323	NA
Quadro K2100M	 1,322	\$159.99*
Radeon R7 PRO A10-8770	 1,320	NA
FirePro W4170M	 1,318	NA
Radeon HD 6750	 1,318	\$49.99*
Quadro 2000	 1,315	\$84.39
FirePro M5950	 1,314	NA
Radeon HD 4870 X2	 1,310	NA
Radeon R7 M465	 1,306	NA

Intel HD P630	<div><div></div></div> 1,305	NA
FirePro V4900	<div><div></div></div> 1,302	\$144.99*
GeForce GT 545	<div><div></div></div> 1,295	\$55.59*
GeForce GT 750M	<div><div></div></div> 1,291	NA
Radeon HD 8790M	<div><div></div></div> 1,291	NA
Radeon R7 + R7 200 Dual	<div><div></div></div> 1,289	NA
GeForce GTX 760A	<div><div></div></div> 1,281	NA
Radeon R7 A370	<div><div></div></div> 1,281	NA
Firepro W4190M	<div><div></div></div> 1,281	NA
GeForce GT 640	<div><div></div></div> 1,281	\$59.99*
Quadro 2000D	<div><div></div></div> 1,280	\$209.00*
GeForce GTX 285	<div><div></div></div> 1,272	\$179.99*
Radeon R9 M265X	<div><div></div></div> 1,272	NA
FirePro 3D V8750	<div><div></div></div> 1,272	\$1,230.99*
Radeon HD 8570D + HD 6670 Dual	<div><div></div></div> 1,261	NA
Radeon R9 M375	<div><div></div></div> 1,251	NA
Radeon R7 A12-9800 RADEON	<div><div></div></div> 1,249	NA
GeForce GTX 275	<div><div></div></div> 1,241	\$119.99*
Mobility Radeon HD 5870	<div><div></div></div> 1,240	NA
Radeon HD 8570D + 6570 Dual	<div><div></div></div> 1,239	NA
Radeon HD 7660D + 6670 Dual	<div><div></div></div> 1,238	NA
Radeon HD 8790M / R9 M290X	<div><div></div></div> 1,237	NA
GeForce GT 650M	<div><div></div></div> 1,225	NA
Radeon HD 8670D + HD 6670 Dual	<div><div></div></div> 1,222	NA
Radeon Vega 10 Mobile	<div><div></div></div> 1,214	NA
GeForce 930A	<div><div></div></div> 1,208	NA
FirePro V4800	<div><div></div></div> 1,205	NA
Radeon R7 A10-9700 RADEON	<div><div></div></div> 1,203	NA
Radeon 530	<div><div></div></div> 1,202	NA
GeForce GTX 280	<div><div></div></div> 1,200	\$522.78*
Radeon R7 M350	<div><div></div></div> 1,199	NA
FirePro 3D V8700	<div><div></div></div> 1,198	\$199.99*
Radeon HD 7750M	<div><div></div></div> 1,191	NA
Radeon R7 A12-9800E RADEON	<div><div></div></div> 1,186	NA
GeForce 930MX	<div><div></div></div> 1,182	NA
Quadro 2000 D	<div><div></div></div> 1,182	NA
Intel Iris Pro 5200	<div><div></div></div> 1,172	NA

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* - Last price seen from our affiliates.

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