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# Videocard Benchmarks

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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 14th of March 2018

		Price (USD)
TITAN Xp COLLECTORS EDITION	15,035	NA
NVIDIA TITAN Xp	13,869	\$1,200.00*
GeForce GTX 1080 Ti	13,862	\$939.99
Radeon Pro Vega 64	13,398	NA
Quadro P6000	13,311	\$4,762.99
TITAN V	13,161	NA
NVIDIA TITAN X	13,112	\$1,200.00*
Radeon RX Vega	12,298	\$845.99
GeForce GTX 1070 Ti	12,286	\$639.99
GeForce GTX 1080	12,211	\$699.99
Quadro P5200	11,868	NA
Radeon RX Vega 64	11,727	\$999.00
Radeon Vega Frontier Edition	11,509	\$999.99
GeForce GTX 980 Ti	11,336	\$1,394.28*
Radeon RX Vega 56	11,251	NA
GeForce GTX 1070	11,113	\$599.99
Radeon Pro WX 9100	10,778	NA
GeForce GTX TITAN X	10,695	\$1,999.99*
Quadro GP100	10,632	NA
Quadro P4000	10,413	\$891.00
GeForce GTX 1080 with Max-Q Design	10,272	NA
Quadro P5000	10,115	\$1,832.49
Quadro M6000 24GB	9,990	NA
GeForce GTX 980	9,585	\$579.99


















































Radeon Pro Duo	9,456	\$929.99*
Radeon R9 Fury	9,393	\$399.99*
Quadro M5500	9,323	NA
Quadro M6000	9,296	\$4,171.50*
Quadro P4000 with Max-Q Design	9,083	NA
GeForce GTX 1060	8,899	\$379.99
GeForce GTX 780 Ti	8,889	\$749.99*
GeForce GTX 1060 3GB	8,872	\$299.99
GeForce GTX TITAN Black	8,598	\$999.99*
GeForce GTX 970	8,583	\$399.99
Radeon R9 390X	8,518	NA
Quadro M5000	8,488	\$1,799.99
Radeon R9 Fury + Fury X	8,416	\$399.99*
Quadro P2000	8,383	\$459.99
FirePro W9100 Adapter	8,299	NA
Radeon RX 580	8,284	\$399.99
FirePro W8100 Graphic Adapter	8,219	NA
Radeon RX 480	8,112	\$599.98
Radeon R9 390	8,052	NA
Radeon Pro WX 7100	8,038	\$579.99
GeForce GTX 780	7,968	\$740.99*
GeForce GTX 1070 with Max-Q Design	7,903	NA
GeForce GTX Titan	7,903	\$2,054.59*
GeForce GTX TITAN Z	7,737	\$2,799.99*
Quadro K6000	7,715	\$2,298.89*
Tesla M6	7,621	NA
Radeon R9 295X2	7,598	\$1,999.99*
Radeon RX 470	7,449	\$649.99
Radeon R9 290X / 390X	7,383	\$646.88
FirePro W9100	7,137	\$2,599.99*
Radeon R9 290 / 390	7,092	\$787.12
GeForce GTX 1060 with Max-Q Design	6,997	NA
Quadro M4000	6,727	\$734.99
Radeon RX 570	6,726	\$389.99
Radeon R9 380X	6,157	\$249.99*
Quadro K5200	6,129	\$1,090.00
GeForce GTX 770	6,087	\$399.99*
Radeon R9 380	6,086	\$264.99*
FirePro W8100	6,011	\$999.99
GRID M60-2Q	5,904	NA
GeForce GTX 1050 Ti	5,858	\$219.99
Radeon R9 280X	5,835	NA
GeForce GTX 980M	5,815	NA
GeForce GTX 960	5,806	\$225.99
FirePro W7100 Adapter	5,794	NA
Radeon R9 M395X	5,762	NA
GeForce GTX 680	5,680	\$679.99
Radeon RX Vega M GL	5,629	NA
Radeon R9 285 / 380	5,552	\$479.99
Radeon Pro WX 5100	5,508	\$369.99
	5,491	




















Radeon HD 7990		\$798.89*
FirePro W9000	5,394	\$3,443.99*
Radeon R9 280	5,393	NA
GeForce GTX 670	5,373	\$474.99
Quadro M5000M	5,369	NA
GeForce GTX 690	5,358	\$999.00*
FirePro W7100	5,358	\$629.99*
GRID M60-1Q	5,309	NA
Quadro P1000	5,256	\$329.99
Radeon HD 7970 / R9 280X	5,248	\$517.54
GeForce GTX 950	5,207	\$261.41
Radeon R9 M395	5,164	NA
Radeon R9 M295X	5,150	NA
GeForce GTX 760 Ti	5,113	\$297.50*
GeForce GTX 580	5,022	\$289.88*
Quadro P3000	4,983	NA
GeForce GTX 760	4,947	\$331.00*
Radeon HD 8990	4,916	NA
Radeon HD 7950 / R9 280	4,765	\$479.99*
FirePro W8000 Adapter	4,752	NA
Radeon R9 370	4,722	NA
Radeon R9 270X	4,677	\$229.99
GeForce GTX 660 Ti	4,674	\$575.59*
Radeon R7 370	4,665	NA
FirePro W7170M	4,643	NA
GeForce GTX 1050	4,514	\$82.99
Radeon RX 560	4,497	\$159.99
Quadro K4200	4,468	\$518.99*
Radeon HD 7870 XT	4,446	NA
GeForce GTX 570	4,419	\$99.99*
FirePro W8000	4,401	\$1,048.99*
GeForce GTX 680MX	4,368	NA
Quadro M4000M	4,366	NA
Radeon HD 7870	4,360	\$413.09
GeForce GTX 480	4,356	\$71.99*
GRID K520	4,340	NA
Radeon RX 460	4,336	\$160.99
Quadro M2000	4,306	\$399.00
Quadro M3000M	4,283	NA
FirePro W7000	4,270	\$569.99*
Radeon R9 270 / R7 370	4,265	\$180.06
GeForce GTX 590	4,201	\$184.00*
Radeon R9 M290X	4,187	NA
GeForce GTX 775M	4,186	NA
Radeon R9 M390X	4,176	NA
FirePro S7000	4,166	NA
GeForce GTX 660	4,126	\$349.99
Quadro K5000	4,018	\$511.99
GeForce GTX 780M	3,999	NA
GeForce GTX 970M	3,984	\$1,899.00
	3,955	

FirePro W7000 Adapter		NA
Radeon Pro WX4100	3,949	NA
Radeon Pro WX 4100	3,895	\$269.99
Radeon HD 8970M	3,876	NA
GRID M60-8Q	3,867	NA
Radeon HD 7850	3,832	\$449.59*
Radeon HD 7970M	3,802	NA
GRID K2	3,773	\$1,728.00
Tesla C2050 / C2070	3,756	NA
GeForce GTX 750 Ti	3,717	\$159.99
GeForce GTX 880M	3,629	NA
GeForce GTX 470	3,604	\$522.01*
Radeon R9 M470X	3,593	NA
Radeon Pro WX 3100	3,554	NA
Radeon Pro 560	3,553	NA
Quadro K2200	3,550	\$369.99
GeForce GTX 560 Ti	3,537	\$138.00*
GeForce GTX 650 Ti BOOST	3,536	NA
Radeon RX 550	3,511	\$96.61
Radeon HD 6970	3,505	\$94.99*
Quadro 6000	3,499	\$545.00
Radeon Pro 460	3,491	NA
Tesla C2050	3,465	NA
Quadro M2200	3,416	NA
Radeon Pro WX 4150	3,408	NA
GeForce GTX 680M	3,365	\$499.99*
Tesla C2075	3,324	\$2,269.99*
GeForce GTX 750	3,290	\$149.99
Radeon R7 360	3,289	\$109.99*
Radeon HD 6950	3,203	\$89.99*
FirePro V7000 Adapter	3,162	NA
Radeon R7 260X	3,148	\$149.99*
Radeon Pro 555	3,141	NA
Radeon HD8970M	3,131	NA
GeForce GTX 560	3,121	\$353.59*
Quadro P600	3,112	\$172.99
GeForce GTX 965M	3,108	NA
Radeon R9 M380	3,095	NA
Quadro K5100M	3,087	NA
Tesla C2070	3,077	NA
FirePro W5000	3,065	\$434.00*
Radeon HD 7790	3,058	\$174.99*
Radeon R9 360	3,046	\$519.00*
Quadro K1200	3,027	\$314.99
Radeon R9 260	3,018	NA
FirePro W5100	3,015	\$279.13*
Radeon HD 8950	3,011	NA
GeForce GTX 465	2,948	\$263.28*
GRID K260Q	2,941	NA
FirePro M6100	2,934	NA
	2,894	

FirePro W4300		\$239.99*
Radeon R7 260	2,893	\$89.99*
Quadro K4000	2,872	\$211.07
Radeon HD 6990	2,859	\$159.99*
Quadro 5000	2,820	\$268.00
FirePro 3D V9800	2,812	\$2,499.00*
Radeon Pro 450	2,798	NA
Quadro M620	2,797	NA
Quadro M1200	2,779	NA
Quadro M2000M	2,750	NA
FirePro V7900	2,718	\$119.99*
FirePro V9800 Adapter	2,715	NA
GeForce GTX 650 TI	2,659	\$199.99
GeForce GTX 460	2,657	\$89.99*
GeForce GTX 770M	2,642	\$177.99*
Radeon HD 5870	2,615	\$99.99*
Quadro K2200M	2,614	NA
Radeon HD 5970	2,613	\$329.99*
Quadro K5000M	2,605	\$329.99*
Radeon HD 6870	2,603	\$89.99*
Radeon Pro WX 4130	2,585	NA
GeForce GTX 460 v2	2,507	\$199.99*
Device	2,502	NA
Quadro K4100M	2,491	\$379.99*
MxGPU	2,487	NA
FirePro 3D V8800	2,458	\$424.99*
GeForce GTX 675MX	2,403	NA
Radeon RX Vega 11	2,391	NA
GeForce GTX 485M	2,383	NA
GeForce GTX 870M	2,366	NA
Quadro K620	2,330	\$169.99
GeForce GTX 580M	2,318	NA
GeForce GTX 960A	2,310	NA
GeForce GT 1030	2,283	\$114.99
Radeon HD 6850	2,277	\$99.99*
Radeon HD 5850	2,273	\$79.99*
Radeon R9 350	2,265	\$139.99
GeForce GTX 460 SE	2,252	\$159.99*
GRID K280Q	2,243	NA
Quadro K4000M	2,239	NA
GeForce GT 645	2,215	NA
Radeon HD 7770	2,211	\$367.00
GeForce GTX 560 SE	2,210	\$89.99*
Quadro M1000M	2,188	\$200.89*
GeForce GTX 745	2,176	NA
Firepro W5170M	2,168	NA
GeForce GTX 555	2,164	NA
RadeonT R7 450	2,160	NA
Radeon R7 450	2,157	\$49.99*
Radeon TM R9 A360	2,148	NA
	2,145	

GeForce GTX 960M		NA
GRID K240Q	2,144	NA
GeForce GTX 675M	2,137	NA
Radeon R9 M470	2,118	NA
FirePro M5100	2,097	NA
FirePro V7800	2,091	NA
GeForce GTX 670MX	2,062	NA
Radeon R9 M375X	2,062	NA
Radeon HD 5830	2,045	\$159.99*
GeForce GTX 480M	2,043	NA
Intel Iris Pro P580	2,043	NA
Radeon HD 6790	2,042	\$64.99*
Quadro 5000M	2,039	NA
Radeon Vega 8	2,033	NA
GeForce MX130	2,030	NA
GeForce MX150	2,024	NA
Quadro 4000	2,022	\$189.00
GeForce GTX 570M	2,018	NA
Radeon RX Vega 10	1,983	NA
Radeon R7 + R7 350 Dual	1,982	NA
Radeon R7 + HD 7700 Dual	1,962	NA
Quadro K3100M	1,962	\$1,999.00*
Radeon HD 7660D + HD 7700 Dual	1,958	NA
Radeon R9 M370X	1,955	NA
Matrox C680 PCIe x16	1,952	NA
GeForce GTX 470M	1,950	NA
Radeon HD 6900M	1,933	NA
GeForce GTX 550 Ti	1,927	\$287.59*
Radeon R9 M360	1,927	NA
GeForce GTX 670M	1,925	NA
GeForce GTX 645	1,922	NA
GeForce GTX 765M	1,877	NA
Quadro P500	1,875	NA
Intel Iris Pro 580	1,838	NA
Radeon HD 8570D + HD 7700 Dual	1,835	NA
GeForce GTX 650	1,832	\$199.99
Radeon R7 FX-9830P RADEON	1,817	NA
Matrox C900 PCIe x16	1,812	NA
GeForce GTX 860M	1,812	NA
FirePro 3D V7800	1,810	\$599.99*
Quadro 5010M	1,809	\$235.95
Quadro P400	1,803	\$124.99
Quadro 4000M	1,800	\$449.00*
Radeon HD 8870M / R9 M270X / M370X	1,800	NA
Radeon HD 8670D + 7700 Dual	1,789	NA
GeForce GTX 950M	1,780	NA
Radeon Pro WX 2100	1,777	NA
Radeon R9 255	1,774	\$347.00
Quadro K3000M	1,762	\$155.00*
FirePro W600	1,759	\$479.99
	1,758	

FirePro W5130M		NA
FirePro W4100 Adapter	 1,748	NA
Quadro M600M	 1,738	NA
FirePro M4000 Mobility Pro	 1,710	NA
Quadro K2000	 1,708	\$209.00
Radeon HD 5770	 1,704	\$115.99*
FirePro M6000 Mobility Pro	 1,701	NA
Radeon HD 7750	 1,698	\$149.00
Radeon Vega 8 Mobile	 1,682	NA
Radeon HD 6770	 1,677	\$76.99*
Quadro K2000D	 1,664	\$620.00
Radeon 540	 1,643	NA
Radeon HD 8870M	 1,638	NA
Intel Iris 550	 1,628	NA
FirePro W4100	 1,611	\$159.99*
Radeon E8860	 1,577	NA
GeForce GT 755M	 1,576	NA
GeForce GT 740	 1,574	\$94.99*
FirePro M4000	 1,566	NA
GeForce GTS 450	 1,557	\$64.99*
GeForce GTX 560M	 1,555	NA
GeForce GTX 850M	 1,553	NA
Radeon HD 4890	 1,538	\$109.99*
Radeon R5 A10-9630P RADEON R5, 10 COMPUTE CORES 4C	 1,528	NA
Intel Iris Pro 6200	 1,523	NA
FirePro V5900	 1,523	\$319.99*
Intel Iris Plus 650	 1,494	NA
Radeon R9 M275X / M375	 1,490	NA
Radeon HD 7660D + HD 6670 Dual	 1,485	NA
Radeon HD 7870M	 1,478	NA
GeForce 945M	 1,467	NA
Quadro 3000M	 1,448	\$391.23*
GeForce GTX 950A	 1,446	NA
FirePro 3D V5800	 1,438	\$369.99*
Radeon HD 5750	 1,433	\$69.41*
Radeon HD 7730	 1,426	\$49.99*
Radeon HD 7560D + 7670 Dual	 1,426	NA
GeForce GTX 660M	 1,423	NA
Radeon R7 430	 1,422	NA
Radeon R9 M270X	 1,418	NA
Quadro M520	 1,412	NA
Radeon R7 250	 1,409	\$69.99
GeForce GTX 760M	 1,403	NA
Intel Iris Plus 640	 1,398	NA
GeForce GTX 460M	 1,392	NA
Radeon R7 M370	 1,385	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

Radeon HD 8670D + 6670 Dual		1,361	NA
FirePro M40003		1,359	NA
Radeon R7 PRO A12-9800		1,347	NA
Radeon HD 7560D + HD 7700 Dual		1,347	NA
Intel Iris 540		1,346	NA
FireStream 9270		1,341	NA
Barco MXRT 5400		1,335	NA
Radeon R7 PRO A10-8770		1,320	NA
Quadro 2000		1,315	\$135.00
FirePro M5950		1,314	NA
Radeon HD 6750		1,314	\$49.99*
Intel Coffee Lake UHD		1,313	NA
Radeon R7 M465		1,306	NA
Quadro K2100M		1,304	\$100.31*
Radeon HD 4870 X2		1,302	NA
FirePro V4900		1,299	\$144.99*
Radeon HD 8790M		1,298	NA
GeForce GT 545		1,293	\$55.59*
FirePro W4170M		1,290	NA
GeForce 940MX		1,290	NA
Radeon R7 + R7 200 Dual		1,288	NA
GeForce GT 750M		1,286	NA
Quadro 2000D		1,285	\$209.00
GeForce GT 640		1,282	\$59.99*
GeForce GTX 760A		1,281	NA
Radeon R7 A370		1,281	NA
Radeon R9 M265X		1,276	NA
FirePro 3D V8750		1,272	\$1,230.99*
Firepro W4190M		1,269	NA
GeForce GTX 285		1,267	\$179.99*
Radeon R7 A12-9800 RADEON		1,263	NA
Radeon HD 8570D + HD 6670 Dual		1,261	NA
Radeon R7 PRO A8-8670E		1,248	NA
GeForce GTX 275		1,240	\$119.99*
Radeon HD 8570D + 6570 Dual		1,239	NA
Radeon HD 7660D + 6670 Dual		1,238	NA
Mobility Radeon HD 5870		1,237	NA
Radeon HD 8790M / R9 M290X		1,237	NA
Radeon R7 A10-9700 RADEON		1,234	NA
Radeon HD 8670D + HD 6670 Dual		1,222	NA
GeForce GT 650M		1,218	NA
Radeon R9 M375		1,210	NA
FirePro V4800		1,205	NA
GeForce GTX 280		1,202	\$522.78*
Intel HD P630		1,198	NA
FirePro 3D V8700		1,198	\$199.99*
Radeon HD 7750M		1,191	NA
Radeon R7 A12-9800E RADEON		1,188	NA
Radeon R7 PRO A10-8770E		1,185	NA
Radeon R7 A10-7890K		1,185	NA



Quadro 2000 D	<div><div></div></div> 1,182	NA
GeForce GPU	<div><div></div></div> 1,176	NA
GeForce 930A	<div><div></div></div> 1,174	NA
Intel Iris Pro 5200	<div><div></div></div> 1,172	NA
Radeon R7 PRO A10-9700E	<div><div></div></div> 1,167	NA
FireStream 9250	<div><div></div></div> 1,165	NA
Radeon R7 PRO A12-8870E	<div><div></div></div> 1,160	NA
NVS 810	<div><div></div></div> 1,153	\$599.99
GeForce 930MX	<div><div></div></div> 1,152	NA
Radeon R7 M350	<div><div></div></div> 1,148	NA
GeForce GT 745A	<div><div></div></div> 1,147	NA
Radeon R7 A10-7870K	<div><div></div></div> 1,144	NA
Radeon HD 8850M / R9 M265X	<div><div></div></div> 1,140	NA
Radeon HD 4850 X2	<div><div></div></div> 1,139	NA
Intel HD 630	<div><div></div></div> 1,135	NA
GeForce GTX 260	<div><div></div></div> 1,131	\$95.38*
Radeon HD 7560D + 6670 Dual	<div><div></div></div> 1,131	NA
Radeon Vega 10 Mobile	<div><div></div></div> 1,126	NA
Radeon R7 M260X	<div><div></div></div> 1,114	NA
FirePro M4170	<div><div></div></div> 1,114	NA
Radeon 530	<div><div></div></div> 1,113	NA
Radeon R9 M275	<div><div></div></div> 1,112	\$699.99
Radeon R7 A8-9600 RADEON	<div><div></div></div> 1,109	NA
FirePro M4150	<div><div></div></div> 1,102	NA
Intel UHD 630	<div><div></div></div> 1,102	NA
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\* - Last price seen from our affiliates.

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