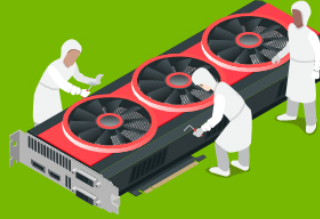


# Videocard Benchmarks

Over 1,000,000 Video Cards Benchmarked



## Video Card List

Below is an alphabetical list of all Video Card types that appear in the charts. Clicking on a specific processor name will take you to the chart it appears in and will highlight it for you.

**Videocards** Last Updated: 14th of July 2021

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Videocard Name	G3D Mark		G2D Mark		TDP (W)		Category
	Min...	Max...	Min...	Max...	Min...	Max...	
GeForce RTX 3080 Ti	26,674		1,029		350		Desktop
Radeon RX 6900 XT	26,455		1,138		300		Desktop
GeForce RTX 3090	25,798		987		350		Desktop
RTX A5000	24,387		895		230		Workstation
GeForce RTX 3080	24,376		1,000		320		Desktop
RTX A6000	23,999		815		300		Workstation
Radeon RX 6800 XT	23,338		1,089		300		Desktop
GeForce RTX 3070 Ti	22,312		982		290		Desktop
GeForce RTX 3070	21,856		966		220		Desktop
GeForce RTX 2080 Ti	21,721		946		250		Desktop
Radeon RX 6800	20,671		1,039		250		Desktop
Quadro RTX 6000	20,212		832		295		Workstation
TITAN RTX	19,869		840		280		Workstation
GeForce RTX 3060 Ti	19,775		936		200		Desktop
GeForce RTX 2080 SUPER	19,504		940		250		Desktop
Quadro RTX 8000	19,478		784		260		Workstation
RTX A5000 Laptop GPU	19,257		422		165		Mobile, Workstation
RTX A4000	19,218		877		140		Workstation
TITAN V	18,991		855		250		Desktop
Radeon RX 6700 XT	18,738		1,014		230		Desktop
TITAN Xp	18,735		927		NA		Unknown
GeForce RTX 2080	18,656		927		250		Desktop
TITAN Xp COLLECTORS EDITION	18,344		891		250		Desktop
NVIDIA TITAN Xp	18,280		812		250		Desktop
GeForce RTX 2070 SUPER	18,140		902		215		Desktop
GeForce GTX 1080 Ti	18,050		933		250		Desktop
Radeon PRO W6800	17,906		929		NA		Unknown
Radeon Pro VII	17,405		759		NA		Unknown
Radeon VII	17,060		795		300		Desktop
TITAN V CEO Edition	16,988		1,086		250		Desktop
Radeon RX 5700 XT	16,831		955		225		Desktop
Radeon RX 5700 XT 50th Anniversary	16,717		981		235		Desktop
GeForce RTX 3060	16,670		938		170		Desktop
GeForce RTX 2060 SUPER	16,458		888		175		Desktop

Quadro P6000	16,449	813	250	Workstation
Quadro RTX 5000	16,431	776	230	Workstation
Tesla V100-SXM2-16GB	16,235	406	NA	Unknown
GeForce RTX 2070	16,120	844	175	Desktop
GeForce RTX 3080 Laptop GPU	16,014	633	115	Mobile
Quadro GP100	15,549	834	235	Workstation
Quadro RTX 4000	15,453	908	160	Workstation
GeForce GTX 1080	15,110	884	180	Desktop
GeForce RTX 2080 (Mobile)	15,107	812	150	Mobile
Radeon Pro W5700	15,041	917	205	Desktop
Quadro RTX 5000 (Mobile)	14,832	705	110	Mobile, Workstation
GeForce RTX 2070 Super with Max-Q Design	14,740	725	80	Mobile
Radeon Pro Vega II	14,738	827	NA	Unknown
Radeon RX 5700	14,698	924	180	Desktop
Radeon Pro Vega 64X	14,630	948	NA	Unknown
Radeon RX Vega 64	14,613	808	295	Desktop
RTX A3000 Laptop GPU	14,549	389	130	Mobile, Workstation
GeForce RTX 3070 Laptop GPU	14,364	619	115	Mobile
GeForce GTX 1070 Ti	14,287	868	180	Desktop
GeForce RTX 2080 Super with Max-Q Design	14,071	639	80	Mobile
Radeon Pro WX 8200	14,039	759	230	Desktop
Quadro RTX 5000 with Max-Q Design	13,966	643	80	Mobile, Workstation
GeForce GTX 980 Ti	13,897	851	250	Desktop
Radeon Vega Frontier Edition	13,874	745	350	Desktop
GeForce RTX 2060	13,869	751	160	Desktop
GeForce RTX 2080 with Max-Q Design	13,859	583	90	Mobile
Radeon RX 5600 XT	13,754	912	150	Desktop
NVIDIA TITAN X	13,660	912	250	Desktop
Radeon RX Vega 56	13,614	778	210	Desktop
Radeon Pro WX 9100	13,437	802	230	Desktop
GeForce GTX 1070	13,395	847	150	Desktop
Tesla T10	13,264	624	NA	Unknown
Quadro RTX 4000 (Mobile)	13,216	593	110	Mobile
GeForce GTX TITAN X	13,089	820	250	Desktop
Quadro RTX 4000 with Max-Q Design	13,054	576	80	Mobile
Quadro GV100	12,721	802	250	Workstation
Radeon Pro V520 MxGPU	12,719	555	NA	Unknown
GeForce GTX 1660 SUPER	12,692	827	125	Desktop
Quadro M6000 24GB	12,600	880	250	Workstation
GeForce RTX 2070 (Mobile)	12,354	601	115	Mobile
GeForce RTX 2070 with Max-Q Design	12,294	529	80	Mobile
GeForce RTX 3060 Laptop GPU	12,271	533	115	Mobile
Radeon Pro Vega 56	12,209	826	NA	Desktop
Radeon Pro 5700 XT	12,076	839	130	Desktop
Quadro P4200 with Max-Q Design	11,869	583	NA	Workstation
Radeon Pro 5700	11,844	829	130	Desktop
GeForce GTX 1660 Ti	11,831	717	120	Desktop
Quadro P5000	11,781	688	180	Workstation
Quadro P5200	11,686	709	NA	Mobile
Quadro P4200	11,676	758	100	Workstation
GeForce GTX 1660	11,619	795	120	Desktop
Quadro P4000	11,484	815	105	Workstation
Radeon Pro Vega 64	11,456	708	NA	Unknown
Quadro RTX 3000	11,405	535	80	Mobile, Workstation
Radeon Pro Vega 48	11,384	824	NA	Unknown
GeForce RTX 2060 (Mobile)	11,355	540	80	Mobile
GeForce GTX 1080 with Max-Q Design	11,309	737	110	Mobile
GeForce GTX 980	11,273	813	165	Desktop
Quadro M6000	11,272	788	250	Workstation
Tesla T4	11,184	566	NA	Unknown
Quadro P5200 with Max-Q Design	10,905	568	NA	Unknown
Radeon RX 5600	10,724	915	150	Desktop
Radeon Pro SSG	10,498	601	NA	Unknown
Radeon Instinct MI25 MxGPU	10,466	727	NA	Unknown
GeForce GTX 1070 (Mobile)	10,465	603	NA	Mobile
GeForce GTX 1070 with Max-Q Design	10,202	478	90	Mobile
GeForce GTX 1660 Ti (Mobile)	10,176	507	50	Mobile

⌵ Radeon R9 Fury X	10,110	857	NA	Unknown
⌵ GeForce GTX 1650 SUPER	9,917	760	100	Desktop
⌵ Radeon Pro 5600M	9,912	753	50	Mobile
⌵ GeForce GTX 1060	9,892	716	120	Desktop
⌵ GeForce RTX 2060 with Max-Q Design	9,763	441	65	Mobile
⌵ Radeon R9 Fury + Fury X	9,741	811	275	Desktop
⌵ GeForce GTX 970	9,734	773	145	Desktop
⌵ Radeon R9 Fury	9,674	792	NA	Unknown
⌵ GeForce GTX 1060 3GB	9,670	762	120	Desktop
⌵ Quadro P2200	9,658	1,001	NA	Unknown
⌵ GeForce RTX 3050 Laptop GPU	9,612	388	80	Mobile
⌵ Radeon RX 590	9,610	805	175	Desktop
⌵ Radeon R9 390X	9,519	842	275	Desktop
⌵ Radeon Ryzen 9 4900HSS	9,461	417	NA	Unknown
⌵ Quadro M5000	9,432	687	150	Workstation
⌵ Radeon Pro W5500	9,256	890	125	Desktop
⌵ GeForce RTX 3050 Ti Laptop GPU	9,197	384	80	Mobile
⌵ GeForce GTX TITAN Black	9,194	623	250	Desktop
⌵ Quadro P3200 with Max-Q Design	9,194	598	NA	Unknown
⌵ GeForce GTX 780 TI	9,169	623	250	Desktop
⌵ Radeon Pro Duo	9,162	674	350	Desktop
⌵ Radeon RX 5500 XT	9,143	821	130	Desktop
⌵ GeForce GTX TITAN Z	9,133	782	375	Desktop
⌵ Quadro P4000 with Max-Q Design	9,083	700	80	Mobile
⌵ Radeon R9 390	8,967	800	275	Desktop
⌵ Radeon RX 580	8,855	763	185	Desktop
⌵ Radeon Ryzen 7 4800HS	8,842	426	NA	Unknown
⌵ Radeon R9 290X	8,788	776	NA	Unknown
⌵ Radeon RX 6800M	8,722	689	145	Mobile
⌵ Quadro RTX 3000 with Max-Q Design	8,695	360	60	Mobile
⌵ GeForce GTX 1660 Ti with Max-Q Design	8,672	383	60	Mobile
⌵ Radeon RX 480	8,639	778	150	Desktop
⌵ Radeon RX590 GME	8,628	704	175	Desktop
⌵ Radeon RX 5500	8,620	885	150	Desktop
⌵ Radeon Ryzen 9 4900HS	8,572	378	NA	Unknown
⌵ GeForce GTX Titan	8,453	656	250	Desktop
⌵ Radeon R9 290	8,452	774	NA	Unknown
⌵ Radeon R9 290X / 390X	8,389	699	290	Desktop
⌵ Radeon R9 295X2	8,380	716	500	Desktop
⌵ Quadro P3200	8,359	531	NA	Unknown
⌵ Radeon Pro 5500 XT	8,289	619	NA	Unknown
⌵ 15FF	8,229	538	NA	Unknown
⌵ GeForce GTX 1060 (Mobile)	8,161	444	80	Mobile
⌵ Radeon R9 290 / 390	8,150	695	275	Desktop
⌵ Quadro K6000	8,071	554	225	Workstation
⌵ GeForce GTX 780	8,018	599	250	Desktop
⌵ Radeon RX 470/570	8,014	718	120	Desktop
⌵ Tesla M40	7,950	302	NA	Unknown
⌵ Radeon Ryzen 5 4600HS	7,942	447	NA	Unknown
⌵ GeForce GTX 1060 with Max-Q Design	7,934	434	80	Mobile
⌵ Quadro M5500	7,915	698	150	Mobile, Workstation
⌵ Radeon RX 580 2048SP	7,828	659	NA	Unknown
⌵ Radeon RX 580X	7,798	885	185	Desktop
⌵ GeForce GTX 1650	7,765	599	75	Desktop
⌵ Radeon Pro 580	7,753	943	NA	Unknown
⌵ FirePro W9100	7,750	884	275	Workstation
⌵ Radeon Pro WX 7100	7,739	788	130	Workstation
⌵ Tesla M60	7,692	569	NA	Unknown
⌵ Radeon RX 5600M	7,665	580	150	Desktop
⌵ Radeon RX 5300	7,644	788	100	Desktop
⌵ Tesla M6	7,621	568	NA	Unknown
⌵ Radeon Pro 580X	7,540	698	150	Desktop
⌵ Radeon Pro 5300	7,520	653	NA	Unknown
⌵ GeForce GTX 1650 Ti	7,465	395	55	Mobile
⌵ Ryzen 7 5800HS with Radeon Graphics	7,391	522	NA	Unknown
⌵ GeForce GTX 980M	7,272	523	100	Mobile
⌵ FirePro W8100	7,234	732	220	Workstation

⌵ Tesla P100-PCIE-16GB	7,225	572	NA	Unknown
⌵ Quadro T2000	7,073	483	NA	Unknown
⌵ Quadro P2000	7,049	704	75	Workstation
⌵ Ryzen 7 4800HS with Radeon Graphics	6,999	355	NA	Unknown
⌵ Ryzen 9 5900HX with Radeon Graphics	6,973	694	NA	Unknown
⌵ Quadro T2000 with Max-Q Design	6,970	442	NA	Unknown
⌵ GeForce GTX 1650 (Mobile)	6,969	384	50	Mobile
⌵ Quadro M5000M	6,881	514	100	Mobile, Workstation
⌵ Radeon RX Vega M GH	6,756	842	NA	Unknown
⌵ Radeon Ryzen 7 4800H	6,714	457	NA	Unknown
⌵ GeForce GTX 970XM FORCE	6,707	725	NA	Unknown
⌵ GeForce GTX 1060 5GB	6,697	610	120	Desktop
⌵ Radeon R9 285	6,680	597	NA	Unknown
⌵ Quadro M4000M	6,673	439	100	Mobile, Workstation
⌵ Quadro M4000	6,599	671	120	Workstation
⌵ Radeon Pro 5500M	6,586	690	85	Unknown
⌵ Quadro T1000	6,553	453	NA	Unknown
⌵ Quadro T1000 with Max-Q Design	6,471	429	NA	Unknown
⌵ Quadro P3000	6,352	473	75	Mobile, Workstation
⌵ Radeon Pro 570	6,337	697	NA	Unknown
⌵ GeForce GTX 1050 Ti	6,330	645	75	Desktop
⌵ FirePro S7150	6,276	866	NA	Unknown
⌵ GeForce GTX 1650 Ti with Max-Q Design	6,263	341	35	Mobile
⌵ Radeon R9 280X	6,241	676	250	Desktop
⌵ RadeonT RX 5300	6,236	538	NA	Unknown
⌵ Radeon R9 380	6,218	660	190	Desktop
⌵ Radeon R9 380X	6,085	668	190	Desktop
⌵ Radeon Pro WX Vega M GL	6,049	777	65	Mobile
⌵ FirePro W9000	6,046	668	274	Workstation
⌵ GeForce GTX 960	6,031	657	120	Desktop
⌵ GRID P100-16Q	5,945	757	NA	Unknown
⌵ Radeon Pro Vega 20	5,942	605	NA	Unknown
⌵ Quadro K5200	5,930	495	150	Workstation
⌵ GeForce GTX 1050 Ti (Mobile)	5,919	323	NA	Mobile
⌵ GeForce GTX 970M	5,887	407	75	Mobile
⌵ GeForce GTX 770	5,862	551	230	Desktop
⌵ GeForce GTX 1650 with Max-Q Design	5,820	314	35	Mobile
⌵ GeForce GTX 690	5,686	453	300	Desktop
⌵ Quadro M3000M	5,678	460	75	Mobile, Workstation
⌵ Radeon Pro 5300M	5,674	636	85	Unknown
⌵ Radeon R9 280	5,602	653	250	Desktop
⌵ GeForce GTX 1050 Ti with Max-Q Design	5,579	362	NA	Mobile
⌵ Radeon HD 7990	5,566	766	375	Desktop
⌵ Radeon Pro WX 5100	5,565	826	75	Workstation
⌵ Radeon R9 285 / 380	5,550	655	190	Desktop
⌵ GRID M60-8A	5,523	380	NA	Unknown
⌵ GeForce GTX 680	5,487	508	195	Desktop
⌵ GeForce GTX 760 TI OEM	5,427	694	NA	Unknown
⌵ GeForce GTX 950	5,410	620	90	Desktop
⌵ GeForce GTX 670	5,346	517	170	Desktop
⌵ Radeon HD 7970 / R9 280X	5,248	730	250	Desktop
⌵ FirePro S10000	5,235	525	NA	Unknown
⌵ GeForce GTX 760 TI	5,230	534	170	Desktop
⌵ Radeon HD 8990	5,214	658	375	Desktop
⌵ GeForce GTX 1050	5,189	479	75	Desktop
⌵ Q12U-1	5,164	600	NA	Unknown
⌵ Radeon R9 M295X	5,150	832	125	Mobile
⌵ FirePro S9000	5,059	561	NA	Unknown
⌵ P106-100	5,023	369	NA	Unknown
⌵ Radeon R9 M395	5,023	717	125	Mobile
⌵ FirePro W7100	4,960	615	150	Workstation
⌵ EIZO Quadro MED-XN51LP	4,955	812	NA	Unknown
⌵ Barco MXRT 7600	4,944	442	NA	Unknown
⌵ Radeon R9 270X	4,888	596	180	Desktop
⌵ Quadro P2000 with Max-Q Design	4,874	559	NA	Unknown
⌵ Radeon R9 M485X	4,842	686	NA	Unknown
⌵ GeForce GTX 760	4,776	514	170	Desktop

⌵ <a href="#">Radeon R9 M395X</a>	4,775	762	125	Mobile
⌵ <a href="#">Radeon HD 7950 / R9 280</a>	4,765	691	200	Desktop
⌵ <a href="#">Radeon Sky 500</a>	4,759	568	NA	Unknown
⌵ <a href="#">GRID P40-24Q</a>	4,728	653	NA	Unknown
⌵ <a href="#">Radeon R9 370</a>	4,722	781	150	Desktop
⌵ <a href="#">Radeon Pro WX 7130</a>	4,710	590	130	Mobile
⌵ <a href="#">Radeon Pro Vega 16</a>	4,683	672	NA	Unknown
⌵ <a href="#">Radeon HD 7870</a>	4,665	587	175	Desktop
⌵ <a href="#">B8DKMDAP</a>	4,557	534	NA	Unknown
⌵ <a href="#">Radeon Pro 465</a>	4,538	562	NA	Unknown
⌵ <a href="#">GeForce GTX 580</a>	4,482	428	244	Desktop
⌵ <a href="#">Quadro M2200</a>	4,481	429	55	Mobile, Workstation
⌵ <a href="#">Radeon HD 7870 XT</a>	4,470	661	185	Desktop
⌵ <a href="#">Quadro P1000</a>	4,463	642	47	Workstation
⌵ <a href="#">GeForce GTX 1050 (Mobile)</a>	4,462	292	NA	Mobile

Showing 1 to 250 of 2,221 entries

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**Notes:**

- <sup>1</sup> Price is obtained from our affiliates. "\*" after the price denotes the last seen price for products that are no longer available.
- <sup>2</sup> Videocard Value is calculated by taking G3D Mark / Price.
- <sup>4</sup> Power Performance is calculated by taking G3D Mark / TDP.
- <sup>5</sup> Test Date is the date of our first benchmark submission.

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