

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 Video Card will take you to the chart it appears in and will highlight it for you.

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VIDEO CARD

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Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce RTX 4090	39168	1	24.50	\$1,599.00
GeForce RTX 4080	35180	2	31.13	\$1,129.99
Radeon PRO W7800	32145	3	NA	NA
Radeon RX 7900 XTX	31721	4	33.39	\$949.99
GeForce RTX 4070 Ti	31719	5	39.88	\$795.35
Radeon PRO W7900	31216	6	NA	NA
GeForce RTX 3090 Ti	29827	7	17.04	\$1,749.95
GeForce RTX 4090 Laptop GPU	29658	8	NA	NA
Radeon RX 7900 XT	29213	9	36.52	\$799.99
Radeon RX 6950 XT	28908	10	45.89	\$629.99
GeForce RTX 3080 Ti	27430	11	23.98	\$1,143.99
Radeon RX 6900 XT	27012	12	22.39	\$1,206.46
GeForce RTX 4070	26993	13	44.99	\$599.99
GeForce RTX 3090	26954	14	18.30	\$1,473.10
GeForce RTX 3080 12GB	26870	15	NA	NA
GeForce RTX 4080 Laptop GPU	26845	16	NA	NA
GeForce RTX 3080	25421	17	32.87	\$773.47
Radeon RX 6800 XT	25134	18	48.34	\$519.99
GeForce RTX 3070 Ti	23832	19	47.67	\$499.99
RTX 6000 Ada Generation	23545	20	NA	NA
RTX A5000	23205	21	10.83	\$2,141.99*
RTX A6000	22615	22	5.50	\$4,109.99
Radeon RX 6800	22526	23	81.92	\$274.99
GeForce RTX 3070	22503	24	46.77	\$481.10
GeForce RTX 4060 Ti	22361	25	58.85	\$379.99
GeForce RTX 2080 Ti	21882	26	19.45	\$1,124.99*
RTX 4000 Ada Generation Laptop GPU	21533	27	NA	NA
RTX 5000 Ada Generation Laptop GPU	21438	28	NA	NA

VIDEO CARD

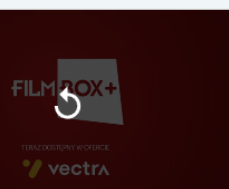
High End
High Mid Range
Low Mid Range
Low End

Best Value
Common
Market Share

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GPU Compute Video Card Chart
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RTX A4500	21398	29	19.81	\$1,079.99*
Radeon RX 6750 XT	21332	30	56.14	\$379.99
RTX 4000 SFF Ada Generation	21300	31	NA	NA
GeForce RTX 3060 Ti	20641	32	61.99	\$332.99
NVIDIA A10	20590	33	NA	NA
Quadro GV100	20466	34	2.27	\$8,999.00*
GeForce RTX 3080 Ti Laptop GPU	20455	35	NA	NA
TITAN V	19920	36	9.96	\$1,999.99*
Radeon RX 6700 XT	19914	37	49.79	\$399.99
TITAN RTX	19883	38	7.11	\$2,794.99*
GeForce RTX 4070 Laptop GPU	19780	39	NA	NA
Radeon PRO W6800	19596	40	10.59	\$1,849.99*
GeForce RTX 2080 SUPER	19576	41	26.42	\$740.99*
Quadro RTX 8000	19402	42	4.09	\$4,741.49*
TITAN Xp COLLECTORS EDITION	19303	43	NA	NA
RTX A4000	19238	44	25.65	\$749.99*
RTX 3500 Ada Generation Laptop GPU	19220	45	NA	NA
Radeon RX 6700	19167	46	NA	NA
Quadro RTX 6000	19154	47	3.04	\$6,300.00*
Radeon RX 6850M XT	18931	48	NA	NA
GeForce RTX 2080	18813	49	23.50	\$800.61
NVIDIA TITAN Xp	18742	50	11.39	\$1,645.00*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
NVIDIA A10G	18723	51	NA	NA
GeForce RTX 4060 Laptop GPU	18615	52	NA	NA
Tesla P40	18514	53	NA	NA
GeForce GTX 1080 Ti	18510	54	38.26	\$483.82*
GeForce RTX 3070 Ti Laptop GPU	18463	55	NA	NA
RTX A5500	18458	56	8.51	\$2,169.99*
GeForce RTX 2070 SUPER	18260	57	36.67	\$497.95
RTX A5500 Laptop GPU	18015	58	NA	NA
Radeon RX 6650 XT	17697	59	72.24	\$244.99
RTX A4500 Laptop GPU	17598	60	NA	NA
GeForce RTX 3060	17191	61	66.12	\$259.99
TITAN V CEO Edition	16987	62	NA	NA
Radeon RX 5700 XT	16920	63	36.78	\$459.99*
Radeon VII	16789	64	8.84	\$1,899.95*
GeForce RTX 3080 Laptop GPU	16673	65	NA	NA
Radeon RX 5700 XT 50th Anniversary	16613	66	NA	NA
GeForce RTX 2060 SUPER	16608	67	44.85	\$370.33
Radeon RX 6600 XT	16457	68	71.56	\$229.99
Radeon RX 7600	16378	69	63.48	\$257.99
Quadro RTX 5000	16195	70	NA	NA
Radeon PRO W6600	16183	71	NA	NA

GeForce RTX 2070	16178	72	59.92	\$269.99*
Radeon Pro VII	15998	73	NA	NA
RTX A5000 Laptop GPU	15939	74	NA	NA
GeForce RTX 2060 12GB	15901	75	NA	NA
RTX A4000 Laptop GPU	15750	76	NA	NA
Radeon Pro Vega II	15667	77	NA	NA
Quadro P6000	15653	78	4.82	\$3,250.00*
Quadro GP100	15607	79	NA	NA
GeForce RTX 3070 Laptop GPU	15566	80	NA	NA
Radeon Pro W5700	15543	81	23.91	\$649.99*
GeForce RTX 4050 Laptop GPU	15513	82	NA	NA
GeForce GTX 1080	15480	83	34.96	\$442.79*
Radeon RX 6800S	15463	84	NA	NA
Quadro RTX 4000	15434	85	17.17	\$899.00*
Radeon RX 6600	15157	86	46.07	\$329.00*
RTX 2000 Ada Generation Laptop GPU	15128	87	NA	NA
GeForce RTX 2080 (Mobile)	15107	88	NA	NA
Quadro RTX 5000 (Mobile)	14832	89	NA	NA
GeForce GTX 1070 Ti	14712	90	25.81	\$569.99*
Radeon RX 5700	14698	91	47.42	\$309.99*
Radeon RX 7600S	14695	92	NA	NA
Radeon RX 7600M XT	14691	93	NA	NA
Radeon RX 6700S	14663	94	NA	NA
RTX A3000 12GB Laptop GPU	14619	95	NA	NA
Radeon RX Vega 64	14606	96	19.48	\$749.99*
Radeon 6700	14158	97	NA	NA
RadeonT RX 6850M XT	14146	98	NA	NA
GeForce RTX 2060	14100	99	61.31	\$229.99
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
RTX A2000 12GB	14036	100	NA	NA
GeForce RTX 2070 Super with Max-Q Design	14028	101	NA	NA