

	Ultra-High End	High End					Mid Range		Entry		
BOARD FEATURES	Quadro 6000	Quadro K5000 (New!)	Quadro K5000 for Mac (New!)	Quadro 5000	Quadro 4000	Quadro 4000 for Mac	Quadro 2000	Quadro 2000D	Quadro 600	Quadro 410 (New)	Quadro 400
Memory Size	6GB GDDR5	4GB GDDR5	4GB GDDR5	2.5GB GDDR5	2GB GDDR5	2GB GDDR5	1GB GDDR5	1GB GDDR5	1GB DDR3	512MB DDR3	512MB DDR3
Memory Interface	384-bit	256-bit	256-bit	320-bit	256-bit	256-bit	128-bit	128-bit	128-bit	64-bit	64-bit
Memory Bandwidth	144 GB/s	173 GB/s	173 GB/s	120 GB/s	89.6 GB/s	89.6 GB/s	41.6 GB/s	41.6 GB/s	25.6 GB/s	14.3 GB/s	12.3 GB/s
CUDA™ Parallel Processor Cores	448	1536	1536	352	256	256	192	192	96	192	48
Gigaflops (Single Precision)	1030	2150	2150	718	486	486					
Gigaflops (Double Precision)	515	90	90	359	243	243					
Max Power Consumption	204W	122W	122W	152W	142W	142W	62W	62W	40W	37W	32W
Number of slots	2	2	2	2	1	1	1	1	1	1	1
Display Connectors	DVI-I DP DP 3pin Stereo	DVI-I DVI-D DP DP 3pin Stereo ²	DVI-I DVI-D DP DP 3pin Stereo ²	DVI-I DP DP 3pin Stereo	DVI-I DP DP 3pin Stereo ²	DVI-I DP DP 3pin Stereo ²	DVI-I DP DP	DVI-I DVI-I	DVI-I DP	DVI-I DP	DVI-I DP
Dual Link DVI	1	2	2	1	1	1	1	2	1	1	1
DisplayPort	2	2	2	2	2	1	2		1	1	1
ECC (Error Correcting Code)	✓	✓ ⁴		✓		✓					
Fast Double Precision	✓			✓	✓	✓					
OpenGL	4.1	4.3	3.2	4.1	4.1	4.1 ³	4.1	4.1	4.1	4.2	4.1
Shader Model	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.0
DirectX	11	11	11	11	11	11	11.0	11.0	11.0	11.0	10.1
3D Vision Pro	✓	✓		✓	✓		✓	✓	✓	✓	✓
NVIDIA® Mosaic Technology	✓	✓		✓	✓		✓	✓	✓	✓	✓
NVIDIA® Multi OS	✓	✓		✓	✓		✓	✓			
NVIDIA® SLI Frame Rendering Support	✓	✓		✓							
NVIDIA® nView® Display Management Technology	✓	✓		✓	✓		✓	✓	✓	✓	✓
Quadro® SDI option card	✓	✓		✓	✓						
Synchronization (via Quadro® G-Sync II option card)	✓			✓							
Synchronization (via Quadro® Sync option card) New!		✓									
3D PRIMITIVE PERF											
Triangles per Second	1.3 Billion	1.8 Billion	1.8 Billion	950 Million	890 Million	890 Million	410 Million	410 Million	210 Million	160 Million	120 Million
3D APPLICATION PERFORMANCE¹											
catia-03	42.34	79.08	N/A	39.17	33.17	N/A	29.49	29.49	17.51	12.00	14.53
ensight-04	59.01	79.83	N/A	41.87	29.82	N/A	20.12	20.12	10.50	5.36	5.62
maya-03	92.77	122.39	N/A	82.37	70.72	N/A	57.00	57.00	36.62	29.69	22.51
proe-05	7.87	16.46	N/A	8.07	7.93	N/A	9.04	9.04	8.56	10.62	8.38
sw-03	38.16	64.64	N/A	35.57	37.63	N/A	40.89	40.89	28.86	29.57	24.21
tcvis-02	46.63	72.44	N/A	40.29	35.12	N/A	24.43	24.43	15.35	17.59	9.14
snx-01	59.17	81.14	N/A	43.40	31.85	N/A	21.55	21.55	12.87	11.01	9.33
lightwave-01	40.27	76.09	N/A	38.01	39.13	N/A	52.30	52.30	42.04	50.77	39.27
Relative Performance Score	40.84	66.17	N/A	35.60	31.27	N/A	27.68	27.68	18.52	16.65	13.71

¹ SPECviewperf® 11: for more information www.spec.org. Tested on single proc 3.3 GHz Quad Core Xeon® w5590, x58, Windows 7-64, Driver Release rel 260+. Quadro 400, 410, and 600 tested on r295 driver.

² Optional

³ OpenGL 4.1 on Mac OSX, OpenGL 4.3 on Windows using Bootcamp

⁴ On GDDR5 memory only