

NVIDIA® WORKSTATION PROFESSIONAL GRAPHICS SOLUTIONS

Model	GPU Specifications			Graphics and Compute Performance				Display Technology					Options						
	NVIDIA® CUDA® Processing cores	GPU Memory	Memory Bandwidth	Graphics Performance Score ¹	Floating-Point Performance—Single Precision (Gigaflops, Peak)	Floating-Point Performance—Double Precision (Gigaflops, Peak)	Error Correcting Code (ECC) Memory	Dual-Link DVI-I ⁸	DisplayPort ⁸	Maximum Active Displays	FSAA (maximum)	NVIDIA® SLI® FSAA	NVIDIA Mosaic Technology	NVIDIA Multi-OS Workstation Support	NVIDIA® SLI® Frame Rendering Support	HD SDI Capture/Output	G-Sync	3D Vision/3D Vision Pro ⁹	NVIDIA Maximus-enabled with Tesla C2075
NVIDIA® Tesla® GPU Computing Processor																			
Tesla C2075	448	6.0 GB	144 GBps		1030	515	✓	1		1									
NVIDIA® Quadro® 3D Desktop Workstation Professional Graphics Boards																			
ULTRA- HIGH END	Quadro 6000	448	6.0 GB	144 GBps	47	1030	515	✓	1	2	2	64x	128x	✓	✓	✓	✓	✓	✓
HIGH-END	Quadro 5000	352	2.5 GB	120 GBps	41	718	359	✓	1	2	2	64x	128x	✓	✓	✓	✓	✓	✓
	Quadro 4000	256	2.0 GB	90 GBps	35	486	243		1	2	2	64x		✓	✓		✓	✓	✓
	Quadro 4000 for Mac	256	2.0 GB	90 GBps		486	243		1	1	2	64x ⁷						✓	
MID-RANGE	Quadro 2000	192	1.0 GB	42 GBps	28				1	2	2	64x		✓	✓			✓	✓
	Quadro 2000D	192	1.0 GB	42 GBps	28				2		2	64x		✓	✓			✓	
ENTRY-LEVEL	Quadro 600	96	1.0 GB	26 GBps	18				1	1	2	64x		✓				✓	✓
	Quadro 410	192	512 MB	14 GBps	17				1	1	2	32x		✓				✓	✓
NVIDIA Quadro 3D Mobile Workstation Professional Graphics Boards																			
17" PLATFORM	Quadro K5000	1344	4.0 GB	96 GBps	2			✓	2	2	2	64x		✓				✓	
	Quadro 5010M	384	4.0 GB	83 GBps	2			✓	2	2	2	64x		✓				✓	
	Quadro K4000	960	4.0 GB	90 GBps	2				2	2	2	64x		✓				✓	
	Quadro 4000M	336	2.0 GB	80 GBps	2				2	2	2	64x		✓				✓	
	Quadro K3000	576	2.0 GB	90 GBps	2				2	2	2	64x		✓				✓	
15" PLATFORM	Quadro 3000M	240	2.0 GB	80 GBps	2				2	2	2	64x		✓				✓	
	Quadro K2000	384	2.0 GB	29 GBps	2				2	2	2	64x		✓				✓	
	Quadro 2000M	192	2.0 GB	29 GBps	2				2	2	2	64x		✓				✓	
	Quadro K1000	192	2.0 GB	29 GBps	2				2	2	2	64x		✓				✓	
	Quadro 1000M	96	2.0 GB	29 GBps	2				2	2	2	64x		✓				✓	
Quadro K500	192	1.0 GB	13 GBps	2				2	2	2	64x		✓				✓		
NVIDIA Quadro Plex Scalable Visualization Systems																			
Quadro Plex 7000	1024	12.0 GB	178 GBps		1341	671	✓	4		4	128x	128x	✓	✓	4	✓	✓		
NVIDIA NVS Commercial Graphics Solutions																			
QUAD DISPLAY	Quadro NVS 450	16	512 MB	11 GBps ³						4	4			✓					
	Quadro NVS 420 x16 or x1	16	512 MB	11 GBps ³						4 ⁶	4			✓					
DUAL DISPLAY	NVIDIA NVS 310 x16	48	512MB	14 GBps						2	2			✓					
	Quadro NVS 300 x16 or x1	16	512 MB	13 GBps					2 ⁵	2 ⁵	2			✓					
	Quadro NVS 295 x16 or x1	8	256 MB	11 GBps						2	2			✓					

For more information on NVIDIA NVS mobile solutions, please visit <http://www.nvidia.com/object/notebook-nvs.html>

- Relative performance score represents the geometric mean of the Viewperf 11 viewsets and is intended to provide a relative performance difference. Application scaling may vary. SPECviewer® 11 for more information visit www.spec.org
- Mobile workstation performance and display support will vary by OEM; please see www.spec.org or OEM specifications for details
- Per GPU memory bandwidth
- Capture-compatible only
- Supports dual SL-DVI-I/VGA/DP through DM559 connector
- Supports quad DP/SL-DVI through VHDCI connector
- 8x on Mac OSX, 64x on Windows
- Maximum display resolution: 2560x1600 @ 60 Hz
- Requires 3D Vision-ready display. Visit www.nvidia.com/3dvision

For more information on NVIDIA Workstation products, visit www.nvidia.com/workstation

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NVIDIA® WORKSTATION PROFESSIONAL SOLUTIONS CREATE WITHOUT THE WAIT

Experience blazing performance across a broad range of design, animation, and video applications. Transform your workflow with NVIDIA workstation professional solutions, built on the innovative NVIDIA® Fermi architecture.

NVIDIA® QUADRO® 3D WORKSTATION PROFESSIONAL GRAPHICS SOLUTIONS

NVIDIA Quadro 3D professional graphics are fully certified on all industry-leading professional applications. They're the visual computing solutions of choice for the majority of designers, engineers, and scientists.



NVIDIA® MAXIMUS™ TECHNOLOGY

NVIDIA Maximus-powered workstations combine the industry-leading professional 3D graphics capability of NVIDIA Quadro® GPUs and the high-performance computing power of NVIDIA® Tesla® GPUs. Tesla co-processors automatically perform the heavy lifting of rendering or CAE computations, freeing the Quadro GPUs to do what they do best—enabling rich interactive graphics. With Maximus, engineers, artists, designers or scientists can now interact with high-performance visuals while performing simulations or renderings on the same system – at the same time.

NVIDIA® TESLA® GPU COMPUTING PROCESSORS

NVIDIA Tesla GPU Computing processors are the fastest parallel processors for seismic processing, biochemistry simulations, weather and climate modeling, signal processing, computational finance, CAE, CFD, and data analysis.



NVIDIA® NVS™ COMMERCIAL GRAPHICS SOLUTIONS

NVIDIA NVS graphics boards provide robust IT management tools for seamless enterprise deployment. This makes them the unrivaled solution across financial institutions, emergency call centers, digital signage systems, and other mission-critical environments.

