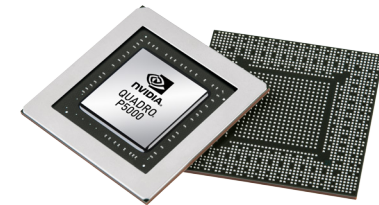


NVIDIA PROFESSIONAL GRAPHICS SOLUTIONS

NVIDIA® Quadro® GPUs power the world’s most advanced mobile workstations and new form-factor devices to meet the visual computing needs of professionals across a range of industries. Creative and technical users can work with the largest and most complex designs, render the most detailed photo-realistic imagery, and develop the most intricate and lifelike VR experiences on-the-go. The latest NVIDIA Pascal based products build on the industry-leading Maxwell lineup with up to three times the graphics performance, twice the memory and nearly twice the compute power, enabling professionals to enjoy desktop-level performance and capabilities on a mobile device. NVIDIA Quadro GPUs give you the ultimate creative freedom, by providing the most powerful visual computing capabilities anywhere you want to work.



Quadro mobile solutions are designed and built specifically for artists, designers, and engineers, NVIDIA Quadro GPUs power more than 100 professional applications across a broad range of industries, including Adobe® Creative Cloud, Avid Media Composer, Autodesk Suites, Dassault Systemes, CATIA and SOLIDWORKS, Siemens NX, PTC Creo, and many more.

PROFESSIONAL GRAPHICS SOLUTIONS LINE CARD

GPU SPECIFICATIONS											PERFORMANCE	OPTIONS							
NVIDIA CUDA Processing Cores ¹	GPU Memory	Memory Bandwidth	Memory Type	Memory Interface	TGP Max Power Consumption	Display Port	OpenGL ²	Shader Model	DirectX	PCIe Generation	Floating-Point Performance	NVIDIA FXAA / TXAA Antialiasing	NVIDIA Mosaic Technology	NVIDIA nView Display Management Technology	GPU Direct for Video	Vulkan Support	NVIDIA 3D Vision Pro	NVIDIA Optimus	

Quadro for Mobile Workstations

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Quadro P5000	2,048	16 GB	192 GBps	GDDR5	256-bit	100 W	1.4	4.5	5.1	12	3	6.2	✓	✓	✓	✓	✓	✓	✓
Quadro P4000	1,792	8 GB	192 GBps	GDDR5	256-bit	100 W / 80 W ³	1.4	4.5	5.1	12	3	4.4	✓	✓	✓	✓	✓	✓	✓
Quadro P3000	1,280	6 GB	168 GBps	GDDR5	192-bit	75 W	1.4	4.5	5.1	12	3	3.1	✓	✓	✓	✓	✓	✓	✓
Quadro M2200	1,024	4 GB	88 GBps	GDDR5	128-bit	55 W	1.2	4.5	5	12	3	2.1	✓	✓	✓	✓	✓	✓	✓
Quadro M1200	640	4 GB	80 GBps	GDDR5	128-bit	45 W	1.2	4.5	5	12	3	1.4	✓	✓	✓	✓	✓	✓	✓
Quadro M620	512	2 GB	80 GBps	GDDR5	128-bit	30 W	1.2	4.5	5	12	3	1.0	✓	✓	✓	✓	✓	✓	✓
Quadro M520	384	1 GB	40 GBps	GDDR5	64-bit	25 W		4.5	5	12	3	0.84	✓		✓	✓	✓	✓	✓
Quadro M5500	2,048	8 GB	211 GBps	GDDR5	256-bit	150 W	1.2	4.5	5	12 ⁴	3	4.7	✓	✓	✓	✓	✓	✓	✓
Quadro M5000M	1,536	8 GB	160 GBps	GDDR5	256-bit	100 W	1.2	4.5	5	12 ⁴	3	3.2	✓	✓	✓	✓	✓	✓	✓
Quadro M4000M	1,280	4 GB	160 GBps	GDDR5	256-bit	100 W	1.2	4.5	5	12 ⁴	3	2.6	✓	✓	✓	✓	✓	✓	✓
Quadro M3000M	1,024	4 GB	160 GBps	GDDR5	256-bit	75 W	1.2	4.5	5	12 ⁴	3	1.9	✓	✓	✓	✓	✓	✓	✓
Quadro M2000M	640	4 GB	80 GBps	GDDR5	128-bit	55 W	1.2	4.5	5	12 ⁵	3	1.5	✓	✓	✓	✓	✓	✓	✓
Quadro M1000M	512	2 GB	80 GBps	GDDR5	128-bit	40 W	1.2	4.5	5	12 ⁵	3	1.1	✓	✓	✓	✓	✓	✓	✓
Quadro M600M	384	2 GB	80 GBps	GDDR5	128-bit	30 W	1.2	4.5	5	12 ⁵	3	0.7	✓	✓	✓	✓	✓	✓	✓
Quadro M500M	384	2 GB	14.4 GBps	DDR3	64-bit	25 W	1.2	4.5	5	12 ⁵	3	0.75	✓		✓	✓			✓

1. CUDA parallel processing cores cannot be compared between GPU generations due to several important architectural differences that exist between streaming multiprocessor designs.
 2. Product is based on a published Khronos Specification, and is expected to pass the Khronos Conformance Testing Process when available. Current conformance status can be found at, www.khronos.org/conformance

3. Max Q Design
 4. GPU supports DirectX 12 API, Hardware Feature Level 12_1.
 5. GPU supports DirectX 12 API, Hardware Feature Level 11_0.

For more information on NVIDIA mobile products, visit www.nvidia.com/quadro

