

QUADRO

UNMATCHED POWER. UNMATCHED CREATIVE FREEDOM. NVIDIA® QUADRO® P6000

The World's Most Powerful Workstation Graphics Card.

The NVIDIA Quadro P6000 is the world's most advanced professional graphics solution ever created, combining the latest GPU, memory and display technologies that result in unprecedented performance and breakthrough capabilities. Professionals across a range of industries can now create their most complex designs, solve the most challenging visualization problems and experience their creations within the most detailed, life-like VR environments.

Quadro cards are certified with a broad range of sophisticated professional applications, tested by leading workstation manufacturers, and backed by a global team of support specialists. This gives you the peace of mind to focus on doing your best work. Whether you're developing revolutionary products or telling spectacularly vivid visual stories, Quadro gives you the performance to do it brilliantly.

FEATURES

- Four DisplayPort 1.4 Connectors
- DisplayPort with Audio
- VGA Support¹
- 3D Stereo Support with Stereo Connector¹
- NVIDIA GPUDirect™ Support
- Quadro Sync II² Compatibility
- NVIDIA nView® Desktop Management Software
- HDCP 2.2 Support
- NVIDIA Mosaic³
- Dedicated hardware video encode and decode engines⁴



SPECIFICATIONS

GPU Memory	24 GB GDDR5X
Memory Interface	384-bit
Memory Bandwidth	Up to 432 GB/s
NVIDIA CUDA® Cores	3840
System Interface	PCI Express 3.0 x16
Max Power Consumption	250 W
Thermal Solution	Active
Form Factor	4.4" H x 10.5" L, Dual Slot, Full Height
Display Connectors	4x DP 1.4 + DVI-D DL
Max Simultaneous Displays	4 direct, 4 DP1.4 Multi-Stream
Max DP 1.4 Resolution	7680 x 4320 @ 30 Hz
Max DVI-D DL Resolution	2560 x 1600 @ 60 Hz
Graphics APIs	Shader Model 5.1, OpenGL 4.5⁵, DirectX 12.0⁶, Vulkan 1.0⁵
Compute APIs	CUDA, DirectCompute, OpenCL™

To learn more about the NVIDIA Quadro P6000 visit www.nvidia.com/quadro

¹ Via adapter/connector/bracket | ² Quadro Sync II card sold separately | ³ Windows 7, 8, 8.1, 10 and Linux | ⁴ Please refer to <http://developer.nvidia.com/video-encode-decode-gpu-support-matrix> for details on NVIDIA GPU video encode and decode support | ⁵ 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 | ⁶ GPU supports DX 12.0 API, Hardware Feature Level 12_1

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