



**UNMATCHED POWER.
UNMATCHED CREATIVE
FREEDOM.
NVIDIA® QUADRO® P4000**

Extreme Visual Computing Performance in a Single Slot Form Factor.

The NVIDIA Quadro P4000 combines a 1792 CUDA core Pascal GPU, large 8 GB GDDR5 memory and advanced display technologies to deliver the performance and features that are required by demanding professional applications. The ability to create an expansive visual workspace of up to four 5K displays (5120x2880 @ 60Hz) with HDR color support lets you view your creations in stunning detail. The P4000 is specially designed with the performance that is necessary to drive immersive VR environments. Additionally, you can create massive digital signage solutions of up to thirty-two 4K displays per system by connecting multiple P4000s via Quadro Sync II².

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 Connectors¹
- > DisplayPort with Audio
- > 3D Stereo Support with Stereo Connector¹
- > NVIDIA GPUDirect™ Support
- > Quadro Sync II² Compatibility
- > NVIDIA nView® Desktop Management Software
- > HDCP 2.2 Support
- > NVIDIA Mosaic³
- > NVIDIA Iray and MentalRay Support



SPECIFICATIONS

GPU Memory	8 GB GDDR5
Memory Interface	256-bit
Memory Bandwidth	Up to 243 GB/s
NVIDIA CUDA® Cores	1792
System Interface	PCI Express 3.0 x16
Max Power Consumption	105 W
Thermal Solution	Active
Form Factor	4.4" H x 9.5" L, Single Slot, Full Height
Display Connectors	4x DP 1.4
Max Simultaneous Displays	4 direct, 4 DP1.4 Multi-Stream
Display Resolution	4x 4096x2160 @ 120Hz 4x 5120x2880 @ 60Hz
Graphics APIs	Shader Model 5.1, OpenGL 4.5⁴, DirectX 12.0⁵, Vulkan 1.0⁴
Compute APIs	CUDA, DirectCompute, OpenCL™

¹ VGA/DVI/stereo support via adapter/connector/bracket | ² NVIDIA Quadro Sync II board sold separately. Learn more at www.nvidia.com/quadro | ³ Windows 7, 8, 8.1, 10 and Linux | ⁴ 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 | ⁵ GPU supports DX 12.0 API Hardware Feature Level 12_1

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