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 II[2].

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[1]
- DisplayPort with Audio
- 3D Stereo Support with Stereo Connector[1]
- NVIDIA GPUDirect™ Support
- Quadro Sync II[2] Compatibility
- NVIDIA nView® Desktop Management Software
- HDCP 2.2 Support
- NVIDIA Mosaic[3]
- Dedicated hardware video encode and decode engines[4]

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 DP 1.4 Multi-Stream**
Display Resolution	**4x 4096x2160 @ 120Hz 4x 5120x2880 @ 60Hz**
Graphics APIs	**Shader Model 5.1, OpenGL 4.5[5], DirectX 12.0[6], Vulkan 1.0[5]**
Compute APIs	**CUDA, DirectCompute, OpenCL™**

To learn more about the NVIDIA Quadro P4000 visit **www.nvidia.com/quadro**

[1] VGA/DVI/HDMI/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] Please refer to http://developer.nvidia.com/video-encode-decode-gpu-support-matrix for details on NVIDA 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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