EMBEDDED SOLUTIONS
NVIDIA® QUADRO® P2000 MXM

NVIDIA QUADRO PERFORMANCE AND FEATURES IN AN MXM TYPE-A FORM FACTOR.

The QP2000-KIT features advanced NVIDIA Quadro GPU with NVIDIA Pascal™ Architecture technology in MXM 3.1 Type A form factor. The QP2000-KIT has 768 NVIDIA CUDA cores and a peak single-precision floating-point performance of 2.3 TFLOPS. The QP2000-KIT has 4GB of GDDR5 memory and supports NVIDIA GPUDirect™ RDMA which helps increase data throughput by up to 80% and consequently system responsiveness by up to 60%. Additionally, 4 UHD display outputs and an extended operating temperature range of -40°C to 85°C are supported. The embedded graphics product is suitable for mission-critical harsh-environment edge computing applications with size, weight, and power (SWaP) and network connectivity constraints.

THE PNY ADVANTAGE

PNY provides unsurpassed service and commitment to its embedded and OEM graphics customers, including extensive pre-sales development and technical consulting by dedicated NVIDIA Quadro Field Application Engineers, access to specialized documentation required for systems integration (e.g. Thermal Design Guides), bug reporting, product lifecycle management information, and much more.

For additional information or other product inquiries email **MXM@PNY.COM**.

P2000 MODULE FEATURES

- NVIDIA® Quadro® P2000 embedded graphics based on NVIDIA® Pascal™ architecture
- Standard MXM 3.1 Type A form factor (82 x 70 mm)
- 768 NVIDIA® CUDA® cores
- 2.3 TFLOPS SP peak performance
- 4GB GDDR5 memory, 128-bit
- 96GB/s maximum memory bandwidth
- Support up to 4 UHD displays, 58W TDP
- 5-year availability

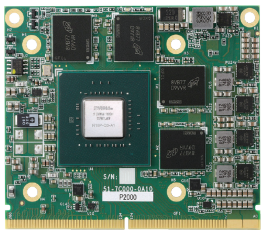
ENVIRONMENTAL

- Operating temperature range of 0°C to 55°C
- Storage temperature -40°C to 85 °C

WARRANTY AND SUPPORT

- 2-year warranty
- Pre- and post-sales technical support
- Field Application Engineers available
- U.S. based technical support hot line

PNY PART NUMBER	QP2000-KIT
Graphic Architecture	NVIDIA® Pascal™
GPU	NVIDIA Quadro® P2000
Memory	4GB GDDR5 memory, Memory width: 128-bit, Bandwidth: 96 GB/s
CUDA Cores	768 CUDA® cores, 2.3 TFLOPS SP Peak
Compute API	CUDA Toolkit 8.0, CUDA Compute version 6.1, OpenCL™ 1.2
Graphics API	DirectX® 12, OpenGL 4.5, Vulcan 1.0
Display Outputs	4x DisplayPort 1.4 digital video outputs (DP++) 4K at 120Hz or 5K at 60Hz
Interface	MXM 3.1, PCI Express Gen3 x16 support
Dimensions	82 (W) x 70 (D) x 4.8 (H) mm
Form Factor	Standard MXM 3.1 Type A
Operating Temp.	Standard: 0 to 55°C, ETT: -40°C to 85°C
Storage Temp.	-40°C to 85°C
Module Power Consumption	58W
OS Support	Windows 10 & Linux Drivers, 64-bit



P2000

NVIDIA QUADRO AUTHORIZED PARTNER

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NVIDIA QUADRO CERTIFIED
▪ EMBEDDED

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