



EMBEDDED SOLUTIONS NVIDIA® QUADRO® P5000 AND P3000

Quadro Performance and Features in an MXM Type-B Form Factor.

The NVIDIA Quadro P5000 and P3000 MXM interface modules offer the same Quadro performance, features, SDK and API support, exacting build standards, rigorous quality assurance, and broad ISV application compatibility, as desktop PCIe based Quadro products.

Designed for the needs of embedded, ruggedized, or mobile system builders, these products make Quadro Pascal architecture graphics and compute capabilities available to form factors unsuited for traditional PCI Express expansion cards, tolerate wide ranging thermal and other environmental conditions, are ideal for blade or other deployments where high GPU density is an important consideration, offer GPU memory capacity options, extremely reasonable power requirements, and feature flexible display output options.

Whether you're developing revolutionary products ranging from advanced medical imaging to sophisticated signal processing, or breakthrough machine/deep learning technology, even mission-critical defense systems, Quadro gives you the performance to expand the boundaries of the possible.

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 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.

P5000 MODULE FEATURES

- > MXM 3.1 Type B form factor (82 mm x 105 mm)
- > 2048 CUDA cores
- > 6.4 TFLOPS peak FP32 performance
- > 16 GB GDDR5 memory
- > 192 GB/s peak memory bandwidth
- > Maximum power 100 W
- > 5-year availability

P3000 MODULE FEATURES

- > MXM 3.1 Type B form factor (82 mm x 105 mm)
- > 1280 CUDA cores
- > 3.9 TFLOPS peak FP32 performance
- > 6 GB GDDR5 memory
- > 168 GB/s peak memory bandwidth
- > Maximum power 75 W
- > 5-year availability

ENVIRONMENTAL

- > Operating temperature range of 0 °C to 55 °C
- > Storage temperature -40 °C to 125 °C
- > Operating RH 5% to 90%
- > Storage RH 5% to 95%

WARRANTY AND SUPPORT

- > 3-year warranty
- > Pre- and post-sales technical support
- > Dedicated Quadro Field Application Engineers
- > U.S. based direct Quadro technical support hot line

PNY PART NUMBERS QP5000-KIT

QP3000-KIT

Graphics APIs

Shader Model 5.1,
OpenGL 4.5⁴,
DirectX 12.0⁵,
Vulkan 1.0⁴

Compute APIs

CUDA, DirectCompute,
OpenCL™

Operating System Support

Windows
Linux



QUADRO P5000



QUADRO P3000

NVIDIA QUADRO
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For more information visit: www.pny.com/MXM