



## EMBEDDED SOLUTIONS NVIDIA® QUADRO® P5000, P3000 AND P1000

### QUADRO PERFORMANCE AND FEATURES IN AN EMBEDDED MXM FORM FACTOR

The NVIDIA Quadro P5000, P3000 and P1000 MXM modules offer professional Quadro performance, features, SDK and API support, exacting build standards, rigorous quality assurance, and broad ISV application compatibility.

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 unsited 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, MXM 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.

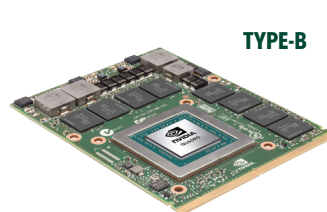
For additional information or other product inquiries email

[MXM@PNY.COM](mailto:MXM@PNY.COM).

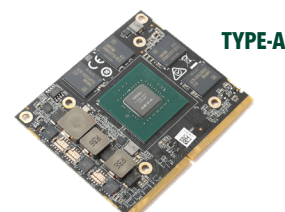
PRODUCT FEATURE	QUADRO P5000	QUADRO P3000	QUADRO P1000
PNY PART NUMBER	QP5000-KIT	QP3000-KIT	QP1000-KIT
GPU ARCHITECTURE	NVIDIA Pascal		
INTERFACE	MXM 3.1		
FORM FACTOR	Type-B	Type-B	Type-A
DIMENSIONS	82 x 105 mm	82 x 105 mm	82 x 70 mm
PEAK FP32 PERFORMANCE	6.4 TFLOPS	3.9 TFLOPS	1.5 TFLOPS
NVIDIA® CUDA® CORES	2048	1280	512
MEMORY SIZE	16 GB	6 GB	4 GB
MEMORY TYPE	GDDR5		
MEMORY INTERFACE	256-bit	192-bit	128-bit
MEMORY BANDWIDTH	192 GB/sec	168 GB/sec	96 GB/s
MAX POWER CONSUMPTION	100 W	75 W	40 W
OPERATING TEMPS	0 to 55 deg C (RH 5 to 90%)		
STORAGE TEMPS	-40 to 125 deg C (RH 5 to 95%)		
WARRANTY	3 Years		
LIFE CYCLE AVAILABILITY	5 Years		
GRAPHICS APIS	Shader Model 5.1, Open GL 4.5, DirectX 12.0, Vulkan 1.0		
COMPUTE APIS	CUDA, DirectCompute, OpenCL		
OPERATING SYSTEMS	Windows and Linux		

### SUPPORT

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



QUADRO P5000 AND P3000



QUADRO P1000

NVIDIA QUADRO  
AUTHORIZED PARTNER



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