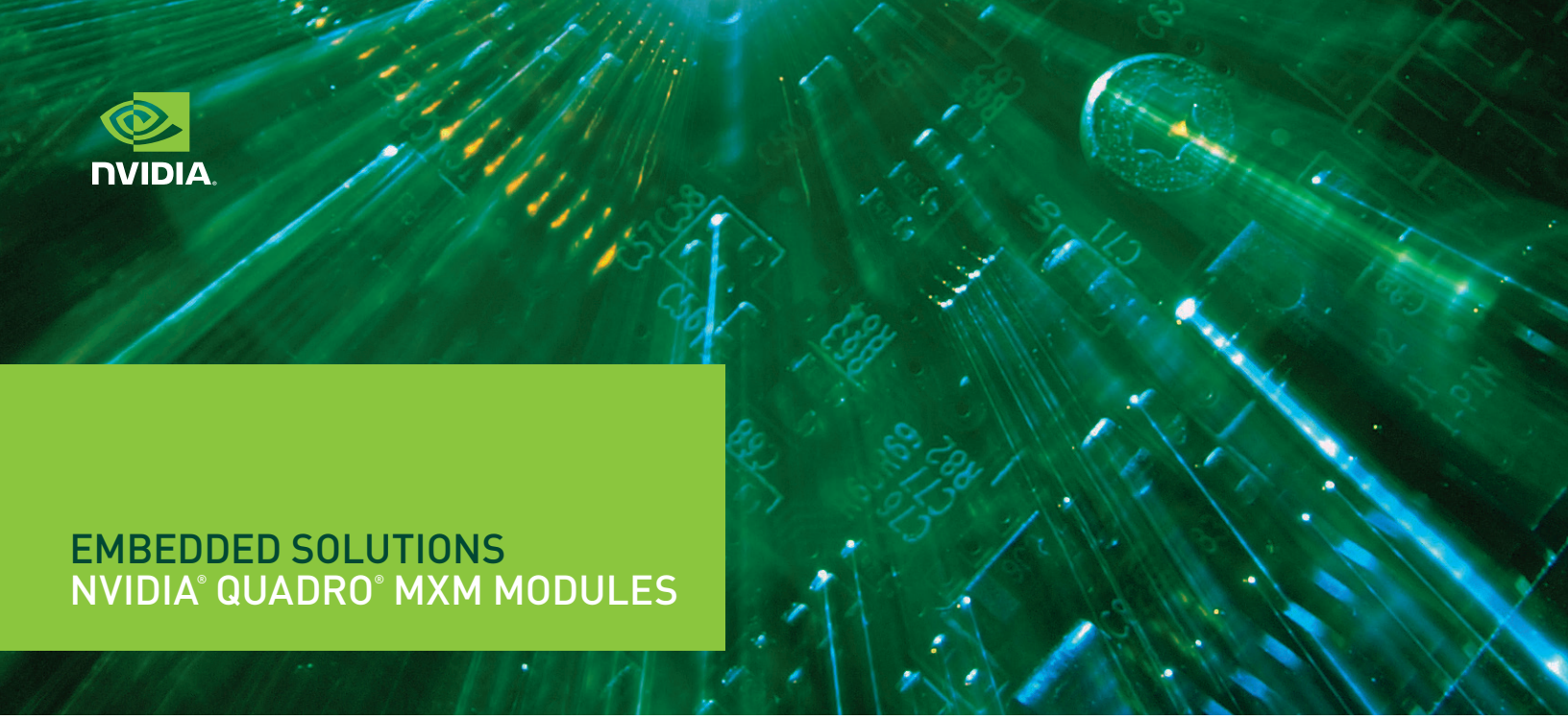

EMBEDDED SOLUTIONS
NVIDIA® QUADRO® MXM MODULES

QUADRO PERFORMANCE AND FEATURES IN AN MXM FORM FACTOR

NVIDIA Quadro RTX (Turing™) and Pascal 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 RTX real-time rendering and AI/DL/MI capabilities (RTX 5000 and RTX 3000) available to form factors unsuited to traditional PCI Express expansion cards. Pascal MXM products offer superb graphics capabilities and outstanding FP32 compute capabilities. Either product series tolerates wide ranging thermal or other environmental conditions, are ideal for blade or other deployments where high GPU density matters, offer reasonable power requirements, and feature flexible display output options.

From transformative medical imaging to sophisticated signal processing, or breakthrough AI/DL/ML technology, even mission-critical defense systems, Quadro MXM lets you expand the boundaries of the possible.

PRODUCT FEATURE	QUADRO RTX 5000	QUADRO RTX 3000	QUADRO T1000	QUADRO P5000	QUADRO P3000	QUADRO P2000	QUADRO P1000
PNY PART NUMBER	QRTX5000-KIT	QRTX3000-KIT	QT1000-KIT	QP5000-KIT	QP3000-KIT	QP2000-KIT	QP1000-KIT
GPU ARCHITECTURE	NVIDIA Turing			NVIDIA Pascal			
INTERFACE	MXM 3.1						
FORM FACTOR	Type-B	Type-B	Type-A	Type-B	Type-B	Type-A	Type-A
DIMENSIONS	82 x 105 mm	82 x 105 mm	82 x 70 mm	82 x 105 mm	82 x 105 mm	82 x 70 mm	82 x 70 mm
PEAK FP32 PERF.	9.49 TFLOPS	6.4 TFLOPS	2.24 TFLOPS	6.4 TFLOPS	3.9 TFLOPS	2.3 TFLOPS	1.5 TFLOPS
PEAK FP16 PERF.	18.98 TFLOPS	12.72 TFLOPS	4.47 TFLOPS	101.2 GFLOPS	48.6 GFLOPS	TBD	23.89 GFLOPS
NVIDIA® CUDA® CORES	3072	2304	768	2048	1280	768	512
RT CORES	48	36	Not Applicable				
TENSOR CORES	384	288	Not Applicable				
GPU MEMORY	16 GB	6 GB	4 GB	16 GB	6 GB	4 GB	4 GB
MEMORY TYPE	GDDR6			GDDR5			
MEMORY INTERFACE	256-bit	256-bit	128-bit	256-bit	192-bit	128-bit	128-bit
MEMORY BANDWIDTH	448 GB/sec	448 GB/sec	128 GB/sec	192 GB/sec	168 GB/sec	96 GB/s	96 GB/s
MAX POWER	110 W	80 W	50 W	100 W	75 W	TBD	40 W
OPERATING TEMPS	0 to 55° C | RH 5 to 90% | RTX 3000 and T1000 will Support Extended Operating Temperatures						
STORAGE TEMPS	-40 to125° C | RH 5 to 95%						
WARRANTY	2 Years	2 Years	2 Years	3 Years	3 Years	2 Years	2 Years
LIFE CYCLE AVAILABILITY	5 Years						
GRAPHICS APIs	DirectX 12, Shader Model 5.1, OpenGL 4.6, Vulkan 1.1			DirectX 12, Shader Model 5.1, Open GL 4.5, Vulcan 1.0			
COMPUTE APIs	CUDA, CUDA-X AI (RTX), DirectCompute, OpenCL						
OPERATING SYSTEMS	Windows and Linux						

THE PNY ADVANTAGE

PNY provides unsurpassed service and commitment to its embedded graphics customers, including extensive pre-sales consulting by dedicated Quadro Field Application Engineers, access to documentation required by systems integrators, bug reporting, product lifecycle management guidance, and much more.

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

SUPPORT

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

NVIDIA QUADRO AUTHORIZED PARTNER

PNY

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100 Jefferson Road, Parsippany, NJ 07054
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For more information visit: **WWW.PNY.COM/MXM**