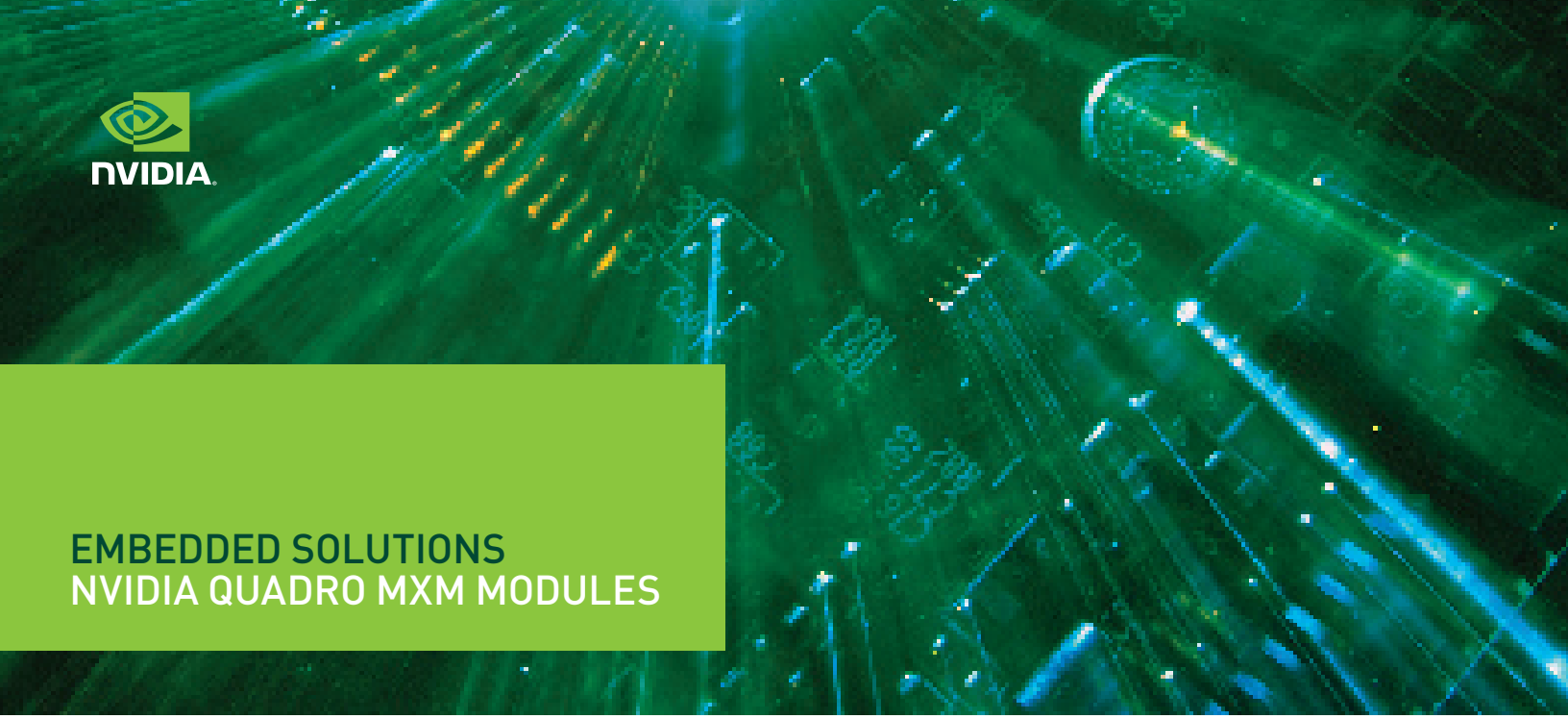

EMBEDDED SOLUTIONS
NVIDIA QUADRO MXM MODULES

NVIDIA QUADRO PERFORMANCE AND FEATURES IN AN MXM FORM FACTOR

NVIDIA® Quadro® RTX (Turing™) and Pascal MXM modules offer professional NVIDIA 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 NVIDIA 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, NVIDIA Quadro MXM lets you expand the boundaries of the possible.

PRODUCT FEATURE	NVIDIA QUADRO RTX 5000	NVIDIA QUADRO RTX 3000	NVIDIA QUADRO T1000	NVIDIA QUADRO P5000	NVIDIA QUADRO P3000	NVIDIA QUADRO P1000
PNY PART NUMBER	QRTX5000-KIT	QRTX3000-KIT	QT1000-KIT	QP5000-KIT	QP3000-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
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
PEAK FP32 PERF.	9.49 TFLOPS	5.3 TFLOPS	2.6 TFLOPS	6.4 TFLOPS	3.9 TFLOPS	1.5 TFLOPS
PEAK FP16 PERF.	18.98 TFLOPS	12.72 TFLOPS	4.47 TFLOPS	101.2 GFLOPS	48.6 GFLOPS	23.89 GFLOPS
NVIDIA® CUDA® CORES	3072	1920	896	2048	1280	512
RT CORES	N/A	36	Not Applicable			
TENSOR CORES	384	240	Not Applicable			
GPU MEMORY	16 GB	6 GB	4 GB	16 GB	6 GB	4 GB
MEMORY TYPE	GDDR6			GDDR5		
MEMORY INTERFACE	256-bit	192-bit	128-bit	256-bit	192-bit	128-bit
MEMORY BANDWIDTH	448 GB/sec	336 GB/sec	128 GB/sec	192 GB/sec	168 GB/sec	96 GB/s
MAX POWER	110 W	80 W	50 W	100 W	75 W	40 W
OPERATING TEMPS	0 to 55° C | RH 5 to 90% | T1000 will Support Extended Operating Temperatures					
STORAGE TEMPS	-40 to125° C | RH 5 to 95%					
WARRANTY	3 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 NVIDIA 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 NVIDIA Quadro Field Application Engineers
- U.S. based direct NVIDIA Quadro technical support hot line

NVIDIA® QUADRO® AUTHORIZED PARTNER

PNY®

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For more information visit: **WWW.PNY.COM/MXM**