EMBEDDED SOLUTIONS
NVIDIA® RTX MXM MODULES

QUADRO RTX PERFORMANCE AND FEATURES IN AN MXM FORM FACTOR

NVIDIA® RTX® (Turing™) MXM modules offer professional NVIDIA Quadro RTX 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 Turing architecture-based products make the most advanced NVIDIA Quadro RTX real-time rendering and AI/DL/ML capabilities available to form factors unsuited to traditional PCI Express expansion cards. NVIDIA Quadro RTX MXM products offer superb graphics capabilities, outstanding FP32 compute capabilities, powerful Tensor Core TFLOPS for AI, and RT Cores that enable real-time physically-based photorealistic ray tracing. They tolerate 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 innovative edge AI inferencing or MV, transformational medical imaging, sophisticated signal processing, or synergistic breakthroughs enabled by high-performance graphics, AI, and simulation, NVIDIA Quadro RTX MXM solutions let you expand the boundaries of the possible.

THE PNY ADVANTAGE

PNY provides unsurpassed service and commitment to its embedded graphics customers, including extensive presales consulting by dedicated NVIDIA Quadro RTX 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

PRODUCT FEATURES	NVIDIA QUADRO RTX 5000	NVIDIA QUADRO RTX 3000	NVIDIA QUADRO T1000
PNY Part Number	QRTX5000-KIT	QRTX3000-KIT	QT1000-KIT | QT1000ET-KIT
GPU Architecture	NVIDIA Turing	NVIDIA Turing	NVIDIA Turing
Interface	MXM 3.1		
Form Factor	Standard MXM 3.1 Type B		Standard MXM 3.1 Type A
Dimensions	82 x 105 x 4.8 mm		82 x 70 x 4.8 mm
Peak FP32	9.49 TFLOPS	5.3 TFLOPS	2.24 TFLOPS
CUDA Cores	3072	1920	768
RT Cores	48	36	Not Applicable
Tensor Cores	384	240	Not Applicable
GPU Memory	16 GB	6GB	4 GB
Memory Type	GDDR6		
Memory Interface	256-bit	192-bit	128-bit
Memory Bandwidth	448 GB/s	336 GB/s	128 GB/s
Maximum Power	110W	80W	50W
Operating Temperature	0° C to 55° C | Relative Humidity 5 to 90%		
Storage Temperature	-40° C to 85° C		
Lifecycle Availability	Five Years		
Graphics APIs	DirectX 12 | Model 5.1 | OpenGL 4.6 | Vulkan 1.1		
Compute APIs	CUDA, CUDA-X AI, DirectCompute, OpenCL		
Operating Systems	Windows 11, 10 and Linux Drivers | 64-bit		
Download Brochure	QRTX5000-KIT | QRTX3000-KIT		QT1000-KIT | QT1000ET-KIT

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