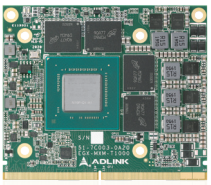
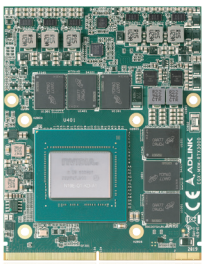
ADLINK
LEADING EDGE COMPUTING

Embedded MXM Modules (NVIDIA Turing™ Architecture)

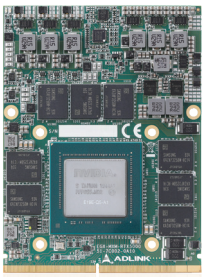
Mobile PCI Express Modules with NVIDIA Embedded GPUs



• EGX-MXM-T1000



• EGX-MXM-RTX3000



• EGX-MXM-RTX5000

NVIDIA QUADRO CERTIFIED
▪ EMBEDDED

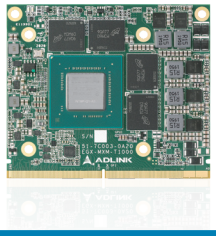
Features

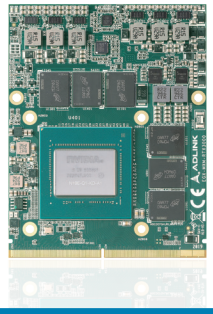
- NVIDIA embedded graphics based on Turing™ architecture
- Standard MXM 3.1 Type A/B/B+ form factor
- Up to 3072 CUDA cores
- Up to 9.4 TFLOPS peak FP32 performance
- Up to 16GB GDDR6 memory, 256-bit
- Up to 448GB/s maximal memory bandwidth
- Support up to 4 DP 1.4a displays, 110W TGP
- 5-year availability

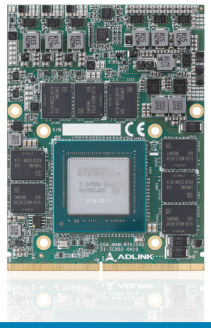
Ordering Information

EGX-MXM-T1000	NVIDIA® Quadro® T1000 Embedded Graphics, MXM 3.1 type A, 82 x 70mm, PCIe x16 Gen3
EGX-MXM-RTX3000	NVIDIA® Quadro® RTX3000 Embedded Graphics, MXM 3.1 type B, 82 x 105mm, PCIe x16 Gen3
EGX-MXM-RTX5000	NVIDIA® Quadro® RTX5000 Embedded Graphics, MXM 3.1 type B+, 82 x 110mm, PCIe x16 Gen3

Specifications







Model Name	EGX-MXM-T1000	EGX-MXM-RTX3000	EGX-MXM-RTX5000
Graphic Core			
GPU	Quadro® T1000	Quadro® RTX3000	Quadro® RTX5000
Memory	4GB GDDR6 memory, 128-bit, Bandwidth: 192 GB/s	6GB GDDR6 memory, 192-bit, Bandwidth: 336 GB/s	16GB GDDR6 memory, 256-bit, Bandwidth: 448 GB/s
GPGPU Computing			
CUDA Cores	896 CUDA cores, 2.6 TFLOPS peak FP32 performance	1920 CUDA cores, 5.3 TFLOPS peak FP32 performance	3072 CUDA cores, 9.4 TFLOPS peak FP32 performance
Tensor Cores	-	240 Tensor Cores	384 Tensor Cores
RT Cores	-	30 RT Cores	48 RT Cores
Compute API	CUDA Toolkit 8.0 and above, CUDA Compute version 6.1 and above, OpenCL™ 1.2		
Graphics API	DirectX® 12, OpenGL 4.6, Vulkan 1.0 API		
Display			
Display Outputs	4x DisplayPort 1.4a digital video outputs 4K at 120Hz or 8K at 60Hz		
Interface	MXM 3.1, PCI Express Gen3 x16 support		
Mechanicals			
Dimensions	82 (W) x 70 (D) x 4.8 (H) mm	82 (W) x 105 (D) x 4.8 (H) mm	82 (W) x 110 (D) x 4.8 (H) mm
Form Factor	Standard MXM 3.1 Type A	Standard MXM 3.1 Type B	Standard MXM 3.1 Type B+
Environmental			
Operating Temperature	Standard: 0°C to 55°C Extended Temperature: -40°C to 85°C (T1000) -20°C to 70°C (RTX3000)		Standard: 0°C to 50°C
Storage Temperature	-40°C to 85°C		
Module Power Consumption	50W TGP	80W TGP	110W TGP
SW Support			
OS Support	Windows 11, 10 & Linux Drivers, 64-bit		