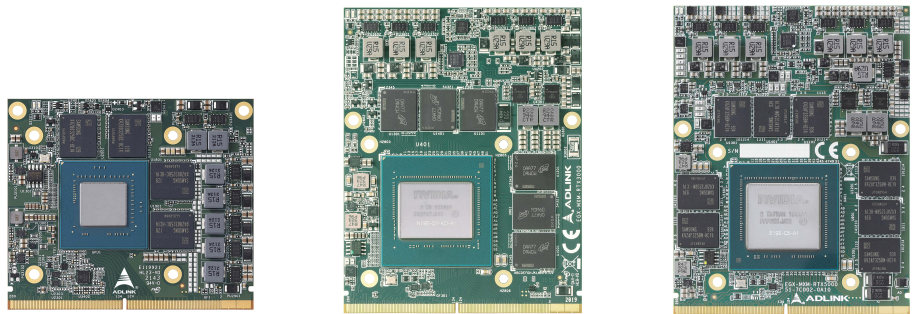


Embedded MXM Modules (NVIDIA Ada Lovelace Architecture)

Mobile PCI Express Modules with
NVIDIA Embedded GPUs



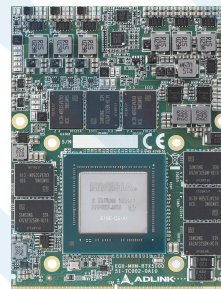
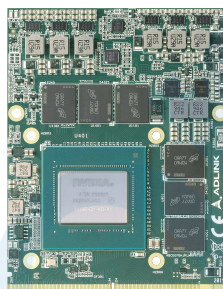
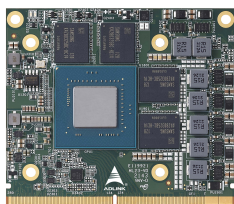
Features

- NVIDIA embedded graphics based on Ada Lovelace architecture
- Standard MXM 3.1 Type A/B form factor
- PCIe Gen 4 up to x16 interface
- Up to 9728 CUDA® cores, 76 RT Cores, and 304 Tensor Cores
- Up to 42.6 TFLOPS peak FP32 performance
- Up to 16GB GDDR6 memory, 256-bit
- Up to 576GB/s memory bandwidth
- Support up to 4 DP 1.4a displays, 115W TGP
- 5-year availability

Ordering Information

EGX-MXM-AD2000	Embedded NVIDIA® RTX™ ADA2000, MXM 3.1 Type A, 82 x 70mm, PCIe Gen4 x8
EGX-MXM-AD3500	Embedded NVIDIA® RTX™ ADA3500, MXM 3.1 Type B, 82 x 105mm, PCIe Gen4 x16
EGX-MXM-AD5000	Embedded NVIDIA® RTX™ ADA5000, MXM 3.1 Type B, 82 x 105mm, PCIe Gen4 x16

Specifications



Model	EGX-MXM-AD2000	EGX-MXM-AD3500	EGX-MXM-AD5000
Graphic Core			
GPU	NVIDIA RTX™ 2000 ADA AD107-975 GPU	NVIDIA RTX™ 3500 ADA AD104-925 GPU	NVIDIA RTX™ 5000 ADA AD103-950-955 GPU
Memory	8GB GDDR6 memory, 128-bit, Bandwidth: 256GB/s	12GB GDDR6 memory, 192-bit, Bandwidth: 432GB/s	16GB GDDR6 memory, 256-bit, Bandwidth: 576GB/s
GPGPU Computing			
CUDA Cores	3072 CUDA Cores, 14.5 TFLOPS Peak FP32 performance	5120 CUDA® cores, 23 TFLOPS Peak FP32 performance	9728 CUDA Cores 42.6 TFLOPS Peak FP32 performance
Tensor Cores	96 Tensor Cores	160 Tensor Cores	304 Tensor Cores
RT Cores	24 RT Cores	40 RT Cores	76 RT Cores
Compute API	CUDA Toolkit 8.0 and above, CUDA Compute version 8 and above, OpenCL™ 1.2		
Graphics API	DirectX® 12.1, OpenGL 4.6		
Display			
Display Outputs	3x DisplayPort 1.4a	4x DisplayPort 1.4a	4x DisplayPort 1.4a
	HDMI 2.1, 4K at 120Hz or 8K at 60Hz with 10-bit color depth		
Mechanicals			
Dimensions	82 (W) x 70 (D) x 4.8 (H) mm		82 (W) x 105 (D) x 4.8 (H)
Form Factor	Standard MXM 3.1 Type A		Standard MXM 3.1 Type B
Environmental			
Operating Temperature	Standard: 0°C to 55°C Extended Temperature: -20°C to 70°C		
Storage Temperature	-40°C to 85°C		
Module Power Consumption	60W TGP		115W TGP
SW Support			
Operating System	Windows 11, 10 & Linux Drivers, 64-bit		

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