

AI Accelerator& GPU

MXM Module M3A2000-VY



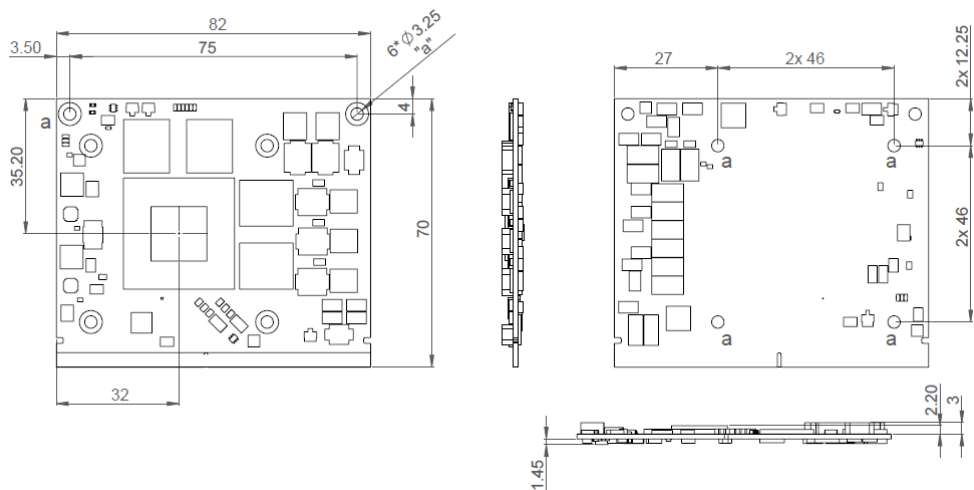
Features

- NVIDIA RTX A2000 embedded graphics based on NVIDIA Ampere architecture
- 2560 CUDA cores, 20 RT cores and 80 Tensor cores, 8GB GDDR6 memory
- PCIe Gen 4 x8 interface
- 8.25 TFLOPS peak FP32 performance
- Support Error Correction Code(ECC)

Specifications

Model Number	M3A2000-VY
GPU Engine Specs	NVIDIA RTX A2000 Architecture: NVIDIA Ampere CUDA Cores: 2560 Tensor Cores: 80 RT Cores: 20 Floating Point Performance: 8.25 TFLOPS
Memory Specs	Size: 8GB GDDR6 Clock: 14 Gbps Interface Width: 128-bit Bandwidth (GB/sec): 224
Feature Support	PCI Express 4.0 x8 DirectX: 12 Ultimate Open GL 4.6 Vulkan 1.2
Display	Resolution: 7680x4320 Max: 4x DisplayPort
Power Consumption	Total Graphics Power (TGP): 60 W
Form Factor	MXM Graphics Module Version 3.1, Type A
Dimensions (WxD)	82.0 x 70.0 mm (3.22" x2.75")
Net Weight	0.037 kg (0.082 lb)
Vibration	2.4Grms, @5~500 Hz, Sine, 0.5Hr/axis
Temperature	Standard: Operating Temp. :0 to + 55°C (32°F ~131°F)/ Extended Operating Temp. :-40 to + 85°C (-40°F ~185°F) / Storage Temperature: -40 to + 85°C (- 40°F ~ 185°F)
Humidity	95% @ 40°C Related Humidity, Non-condensing
OS Support	Windows 10/11 64-bit
Certification	CE/FCC

System & Mounting Dimensions



Ordering Information

Model name	Description
M3A2000-VYA-A1	MXM-A, NVIDIA RTX A2000, Gen4.0 x8, 8GB GDDR6, DP, 60W, 0°C to +55°C
M3A2000-VYB-A1	MXM-A, NVIDIA RTX A2000, Gen4.0 x8, 8GB GDDR6, DP, 60W, 0°C to +55°C, COATING
M3A2000-VYW-A1	MXM-A, NVIDIA RTX A2000, Gen4.0 x8, 8GB GDDR6, DP, 60W, -40°C to +85°C
M3A2000-VYX-A1	MXM-A, NVIDIA RTX A2000, Gen4.0 x8, 8GB GDDR6, DP, 60W, -40°C to +85°C, COATING
M3A2000-VYA-A2	MXM-A, NVIDIA RTX A2000, Gen4.0 x8, 8GB GDDR6, MSH, 60W, 0°C to +55°C

Accessory (Optional)

Part No.	Description
92-6MXM4H-1000	PCIe Carrier Board, MXM3.1, 4x HDMI, 0°C to +55°C
3906000000S000	MXM Type-A TWO BALL 12V 4PIN L:200mm 6000RPM 72*62*27.65mm, 0°C to +55°C

