AI Accelerator &GPU

MXM Module M3A1000-PP

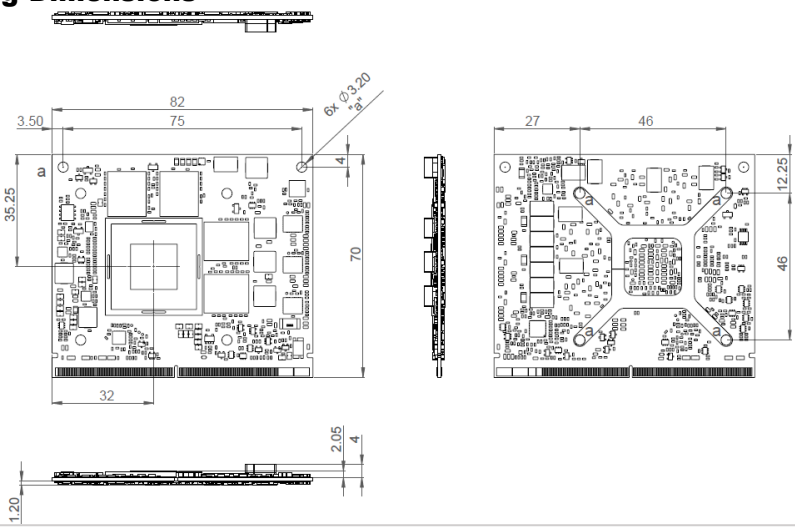
Features

- NVIDIA RTX A1000 Embedded GPU based on Ampere architecture
- 2048 CUDA cores, 16 RT cores and 64 Tensor cores, 4GB GDDR6 memory
- PCIe Gen 4 x8 interface
- 6.66 TFLOPS peak FP32 performance

Specifications

Model Number	M3A1000-PP
GPU Engine Specs	NVIDIA RTX A1000 Architecture: NVIDIA Ampere CUDA Cores: 2048 Tensor Cores: 64 RT Cores: 16 Floating Point Performance: 6.66 TFLOPS
Memory Specs	Size: 4GB GDDR6 Clock: 12 Gbps Interface Width: 128-bit Bandwidth (GB/sec): 192
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): 35W / 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
M3A1000-PPA-A1	MXM3.1 Type A, NVIDIA RTX A1000, 4GB GDDR6, 60W, 0°C to +55°C
M3A1000-PPA-A2	MXM3.1 Type A, NVIDIA RTX A1000, 4GB GDDR6, 35W, 0°C to +55°C
M3A1000-PPW-A1	MXM3.1 Type A, NVIDIA RTX A1000, 4GB GDDR6, 60W, -40°C to +85°C
M3A1000-PPW-A2	MXM3.1 Type A, NVIDIA RTX A1000, 4GB GDDR6, 35W, -40°C to +85°C

Accessory (Optional)

Part No.	Description
92-6MXM4H-1000	PCIE Carrier Board, MXM3.1, 4x HDMI, 0°C to +55°C