

AI Accelerator &GPU

MXM Module EBK-MXM-A1000 Series



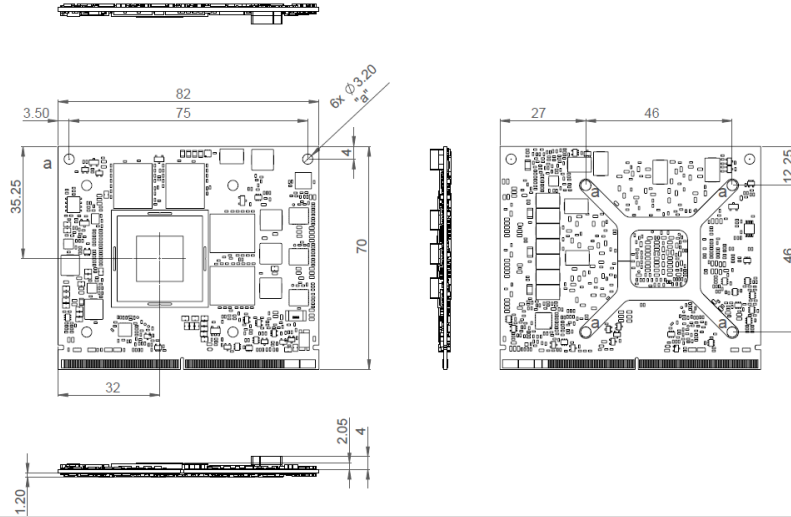
Features

- 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 | EBK-MXM-A1000 |
|-------------------|---|
| 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 |
|------------------|---|
| EBK-MXM-A1000-A1 | MXM3.1 Type A, NVIDIA RTX A1000, 4GB GDDR6, 60W, 0°C to +55°C |
| EBK-MXM-A1000-A2 | MXM3.1 Type A, NVIDIA RTX A1000, 4GB GDDR6, 35W, 0°C to +55°C |
| EBK-MXM-A1000-A3 | MXM3.1 Type A, NVIDIA RTX A1000, 4GB GDDR6, 60W, -40°C to +85°C |
| EBK-MXM-A1000-A4 | MXM3.1 Type A, NVIDIA RTX A1000, 4GB GDDR6, 35W, -40°C to +85°C |

Accessory (Optional)

| Part No. | Description |
|----------|---|
| TBD | PCIE Carrier Board, MXM3.1, 4x HDMI, 0°C to +55°C |