

# AI Accelerator & GPU

## MXM Module AI-MXM-S41A



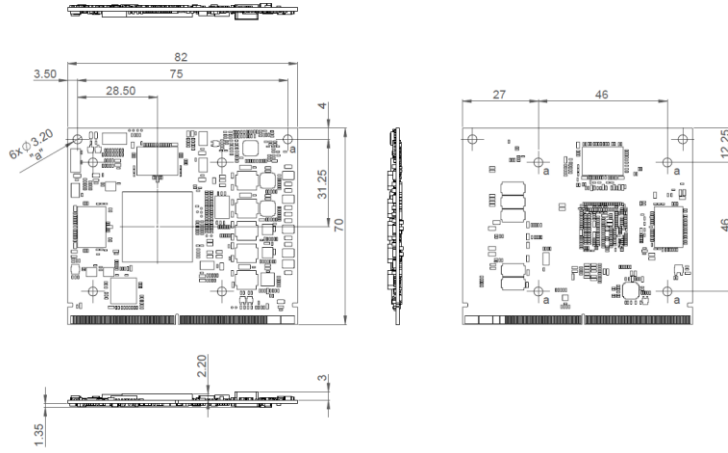
### Features

- Powered by 1 x Sophgo BM1684 AI Processor
- Up to H.265/H.264 1080p@960fps Video Decoding
- MXM Type A Small Form Factor Accelerator Platform
- Deliver up to 17.6 TOPS of AI performance at a typical power consumption of 30W
- Support INT8 and FP32 Precision, Greatly Improving AI Performance

### Specifications

Model Number	AI-MXM-S41A
Engines Specs	1 x Sophgo BM1684 AI processor
AI Performance	17.6 TOPS
Memory Specs	LPDDR4 8GB
Feature Support	PCI Express 3.0 x16
Display	N/A
Power Consumption	30W (Typical Power Consumption)
Form Factor	MXM Graphic Module Version 3.1, Type A
Dimension (WxD)	82.0 x 70.0 mm (3.22" x 2.75")
Net Weight	0.038 kg (0.084 lb)
Vibration	2.4Grms @5~500 Hz, Sine, 0.5Hr/axis (Est.)
Temperature	Operating Temp. :-40 to + 70°C (- 40°F ~ 158°F) Storage Temperature: -40 to + 85°C (- 40°F ~ 185°F)
Humidity	90% @ 40°C Related Humidity, Non-condensing
OS Support	Windows 10 64-bit, Linux
Certification	CE/FCC

**System & Mounting Dimensions**



**Ordering Information**

Model name	Description
AI-MXM-S41A	MXM-A, Sophgo BM1684, Gen3.0 x16, 8GB LPDDR4, -40°C to +85°C

