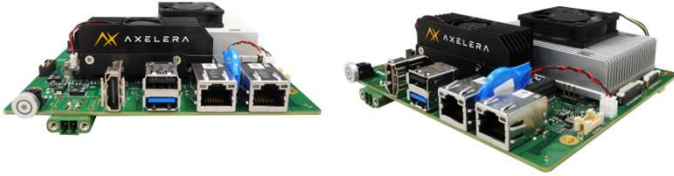


AI Inference / ARM Platform

AIB-MR1A-B1-AXE AIB-MR1B-B1-AXE



Features

- Bundled AXELERA M.2 AI Edge Accelerator Module
- Pre-installed VOYAGER SDK for Large Model Zoo Supporting, such as Image Classification, Object Detection, Pose Estimation.
- Powered by Rockchip RK3588
- 1 x M.2 M-Key 2280 w/SATA for Storage, 1 x M.2 E-Key 2230 for WIFI/BT, 1 x Mini PCIe for LTE
- 1 x USB 3.2 Gen1, 1 x USB 2.0, 2 x GbE, 2 x COM, 1 x HDMI 2.1

Specifications

Model Number	AIB-MR1A-B1-AXE	AIB-MR1B-B1-AXE
CPU	Rockchip RK3588	
Memory	LPDDR4X 8GB	LPDDR4X 16GB
AI Accelerator	AXELERA M.2 AI Edge Accelerator Module, achieving up to 100 TOPS (INT8) in inference performance	
Storage	32GB eMMC 1 x Micro-SD slot (SD 2.0) 1 x M.2 M-Key 2280 w/SATA for Storage (Bottom Side)	
Display	1 x HDMI 2.1 TMDS 3840X2160 60Hz (HDMI Type A Connector)	
LAN	2 x GbE (2 x RJ45)	
USB	1 x USB 3.2 Gen1 (Type A) 1 x USB 2.0 (Type A) 1 x Type C for Programming	
COM	1 x header for RS-232 (TXD/RXD/CTS/RTS) and RS-485	
Expansion Slot	1 x M.2 E-Key 2230 (PCIe 2.1 x1+USB 2.0) for WIFI/BT 1 x Mini PCIe full-size (USB 2.0) for LTE w/Micro-SIM card holder	
MISC. Function	1 x Power Button 1 x Reset Button	
Power Input /Connector	DC-in 12V / DC Jack 4pin	
Dimension(W x D)	131 x 120mm (5.16" x 4.72")	
Net Weight	0.237 kg (0.522 lb)	
Temperature	Operating Temperature: 0°C ~ 70°C (32°F ~ 158°F) Storage Temperature: -40°C ~ 85°C (-40°F ~ 185°F)	
Humidity	95% @ 40°C Related Humidity, Non-condensing	
OS Support	Ubuntu	
Certification	CE/FCC	