

AI Inference / DeviceEdge

Mix Series AIE-CP1A-A1



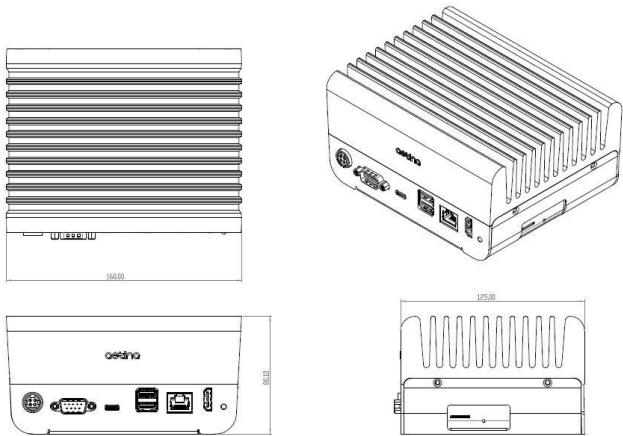
Features

- Blaize P1600 SoC with 16 core EI Cano GSP
- Dual ARM Cortex A53MP 64-bit RISC
- 16 TOPs AI performance
- H.264/H.265 Video Encoder Decoder.
- 4GB 64-bit LPDDR4, 8GB eMMC

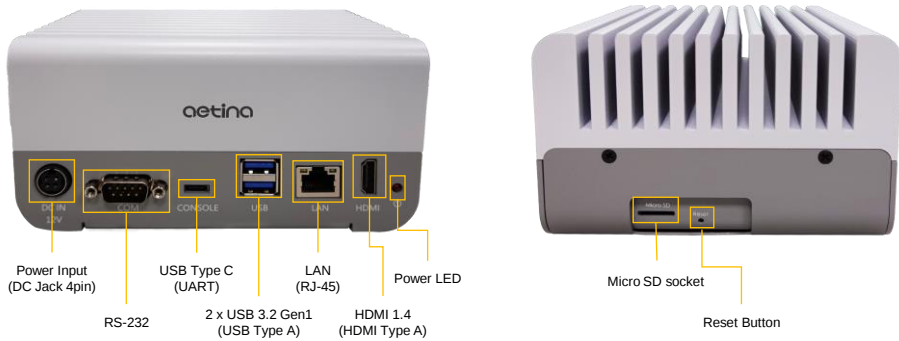
Specifications

Model Number	AIE-CP1A-A1
Module Compatibility	Blaize P1600 SoM
Storage	8GB eMMC 1x Micro-SD slot
Display	1x HDMI 1.4 With HDMI A Type Connector
Audio	HDMI Integrated
LAN	1x RJ-45 For GbE
USB	2x USB 3.2 Gen1 Type A 1x USB Type-C (Support UART)
COM	1x COM Port for RS232 (DB9)
MISC. Function	1x LED for SoM Power Good 1x Reset Button
Power Input /Connector	DC-in 12V / DC Jack 4pin
Dimension(Wx Dx H)	160 x 125 x 80mm (6.29" x 4.92" x 3.14")
Mounting	Desk Mount
Net Weight	1.886kg (4.154lb)
Vibration	3 Grms, IEC 60068-2-64, Random, 5 ~ 500 Hz, 1 Hr/axis
Shock	30 G, IEC 60068-2-27, Half Sine, 11 ms Duration
Temperature	Operating Temperature: 0°C ~ +60°C (32°F~ 140°F) / Storage Temperature: -40°C ~ +85°C (- 40°F ~ 185°F)
Humidity	95% @ 40°C Related Humidity, Non-condensing
Certification	CE/FCC

System & Mounting Dimensions



I/O Mechanical Layout



Ordering Information

Model name	Description
AIE-CP1A-A1	AIE-CP1A Fanless system with Blaize P1600 SoM, 0°C to +60°C

Packing List

Part No.	Description
AIE-CP1A	Mounting Bracket AL5052 Gray
32-010000-0005	US POWER CORD
32-010000-0006	EU POWER CORD
	*Select one according to use of territory
53-0F0000-0003	POWER ADAPTER 90~264V 60W 12V 5A BLACK -30~70°C
	Blaize SERIES : AIE-CP1A QUICK REFERENCE GUIDE

