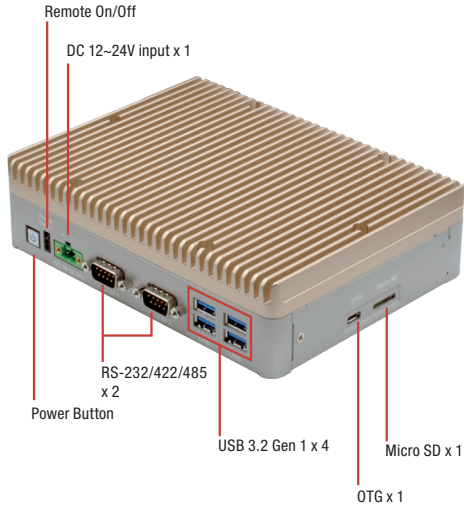


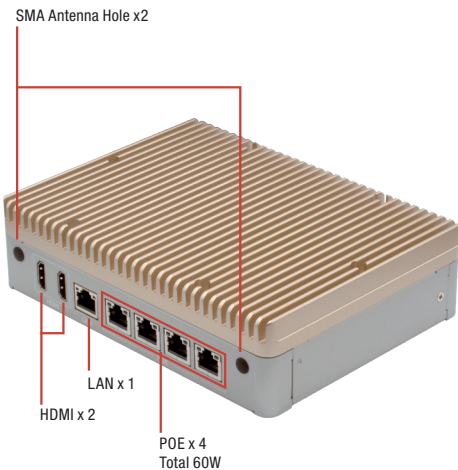
BOXER-8170AI

AI@Edge Fanless Embedded Box PC with NVIDIA Jetson TX2, 4 PoE LAN

Front View



Rear View



Features

- Designed for Embedded AI vehicle Controller
- Gigabit Ethernet x 1 and 802.3af PoE x 4 for surveillance
- Nvidia TX2 Module
- HMP Dual Denver 2 + Quad ARM A57
- 8GB LPDDR4
- 32GB eMMC 5.1
- HDMI 2.0 x 2
- USB 3.2 Gen 1 x 4
- COM x 2
- DC 12 ~ 24V

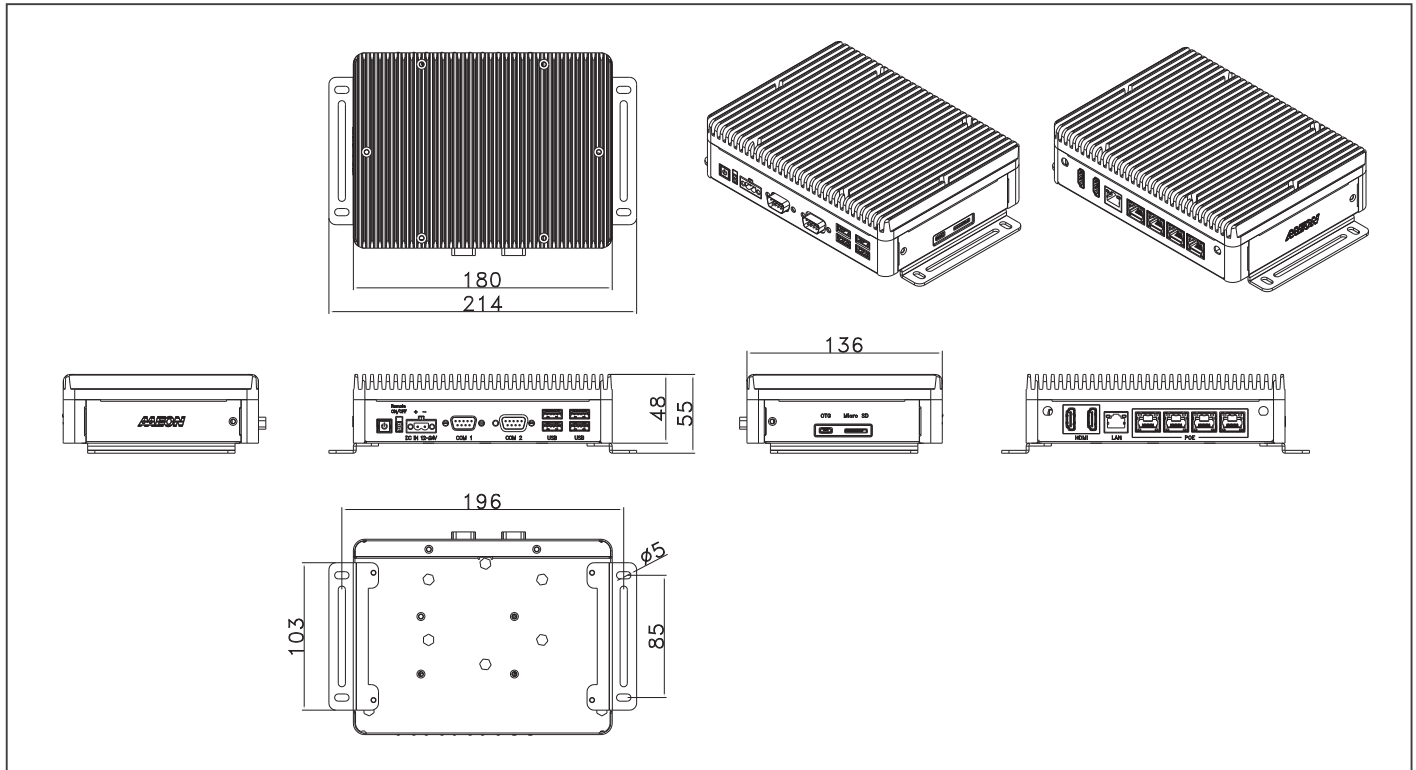


Specifications

System	
AI Accelerator	Nvidia Jetson TX2
CPU	HMP Dual Denver 2 + Quad ARM A57
System Memory	8GB LPDDR4
Storage Device	32GB eMMC 5.1 Micro-SD
Display Interface	HDMI 2.0
Ethernet	10/100/1000 Base-TX x 1 IEEE 802.3af PoE LAN x 4
I/O	RJ-45 x 1 for GbE LAN IEEE 802.3af PoE x 4 (60W total power budget) HDMI Type A x 2 for HDMI 2.0 USB Type A x 4 for USB 3.2 Gen 1 DB-9 RS-232/422/485 x 2 Power On/Off Button x 1 DC-In 2-pin terminal block x 1 USB OTG x 1 12~24V DC-in Power Input x 1 SMA Antenna Holes x 2
Expansion	SATA x 1 (optional) USB 2 x 1 (optional) 2 Channel CANBUS x 1 (optional)
Indicator	Power LED
OS Support	AAEON AALinux 4.9, Compliance with Ubuntu 18.04
Power Supply	
Power Requirement	12 ~ 24V with 2-pin terminal block
Mechanical	
Mounting	Wallmount
Dimensions (W x H x D)	7.09" x 1.89" x 5.35" (180 mm x 48 mm x 136 mm)
Gross Weight	6.39 lb (2.9 Kg)
Net Weight	4.73 lb (2.15 Kg)
Environmental	
Operating Temperature	-20°C ~ 50°C (according to IEC68-2-14 with 0.5 m/s AirFlow ; with industrial devices)
Storage Temperature	-40°F ~176 °F (-40°C ~ 80°C)
Storage Humidity	5~95% @ 40°C, non-condensing
Anti-Vibration	3 Grms/ 5 ~ 500Hz/ operation
Anti-Shock	—
Certification	CE/FCC class A

Dimension

Unit: mm



Ordering Information

Part Number	RAM	LAN	PCH	PDE	USB 3.2 Gen 1	USB 2.0	RS-232	RS-232/422/485	Digital I/O	Audio	Storage	Display	Expansion	Mounting	Power	Operation temp.
BOXER-8170AI-A1-1010	8GB LPDDR4	1	—	4	4	0	—	2	—	—	32GB eMMC	HDMI x 2	MicroSD x1 SATA x1 (option) USB 2 x1 (option) 2 Channel CANBUS x1 (option)	Wallmount	24V DC-in (12V testing)	-20°C ~ 50°C

Packing List

- Wallmount Bracket x 2
- Power Connector x 1
- Screw Pack x 1
- BOXER-8170AI

Optional Accessories

- 1255X00035
120W Power Adapter
- 1702031802
Power Cord (US Type)
- 1702031803
Power Cord (Europe)
- 170203180E
Power Cord (Japan)