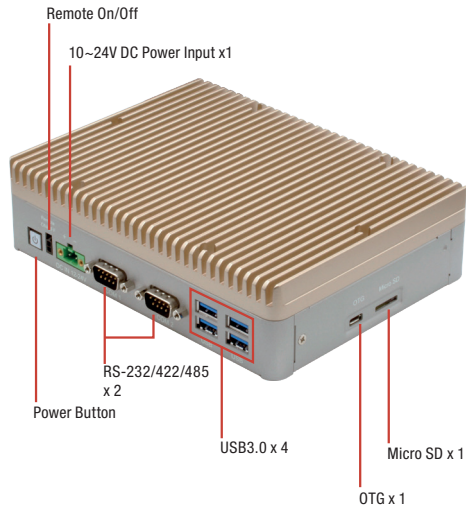
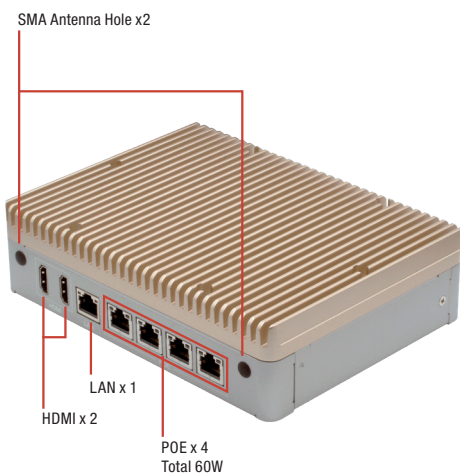


AI@Edge Fanless Embedded Box PC with NVIDIA Jetson TX2, 4 PoE LAN

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 x2
- USB 3.0 x4
- COM x2
- DC 12~24V

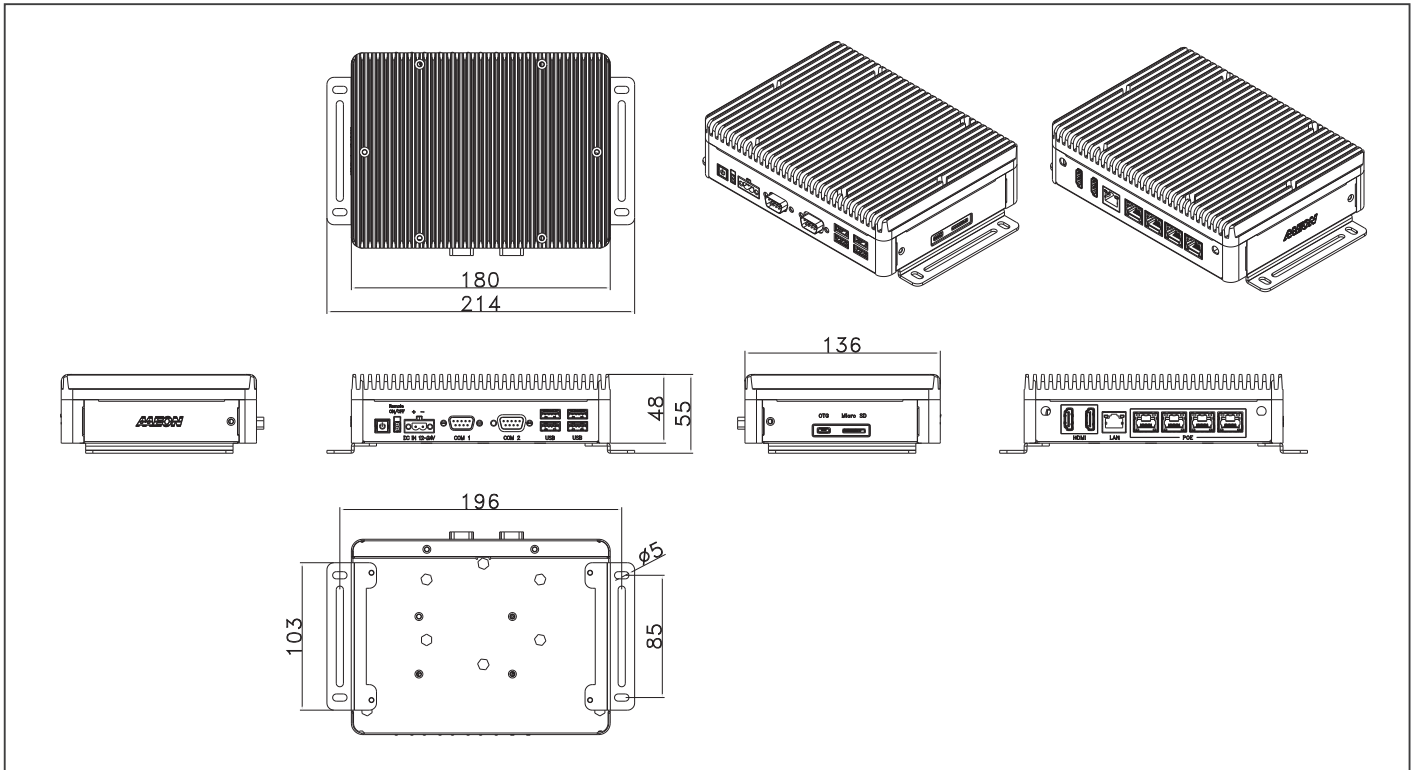


Specifications

| System | |
|------------------------|---|
| CPU | HMP Dual Denver 2 + Quad ARM A57 |
| Chipset | N/A |
| System Memory | 8GB LPDDR4 |
| AI Solution | Nvidia Jetson TX2 |
| Display Interface | HDMI 2.0 |
| Storage Device | 32GB eMMC 5.1 Micro-SD |
| Ethernet | 10/100/1000 Base-TX x 1 IEEE 802.3 af 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 x2 for HDMI 2.0 USB Type A x 4 for USB 3.0 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 |
| Certification | CE/FCC class A |

Dimension

Unit: mm



Ordering Information

| Part Number | RAM | LAN | PCH | POE | USB 3.0 | 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 x1

Optional Accessories

- **1255900841**
Power Adapter
- **1702031802**
Power Cord (US Type)
- **1702031803**
Power Cord (Europe)
- **170203180E**
Power Cord (Japan)