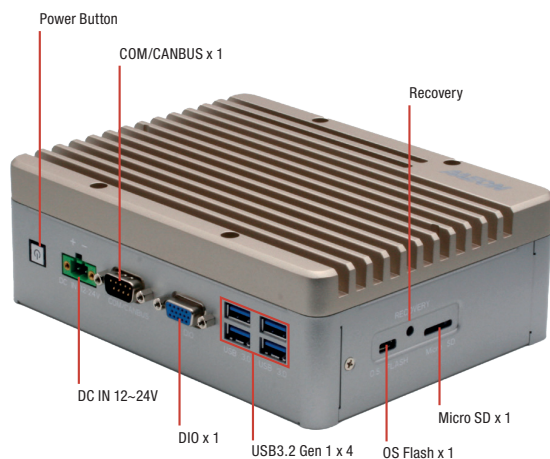
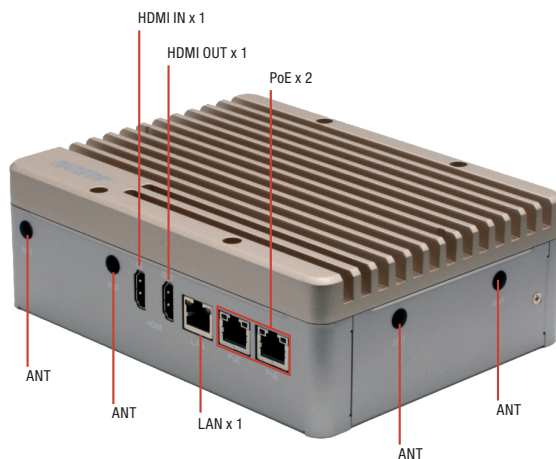


Front View



Rear View



## Features

- NVIDIA Jetson Xavier NX
- 8GB LPDDR4x
- Multi-storage option: 16GB eMMC / MicroSD slot / mSATA slot / 2.5 drive bay
- GbE PoE/PSE LAN x 2
- HDMI Input x 1 & HDMI Output x 1
- Digital I/O 13-channel
- Expansion support for WiFi/LTE

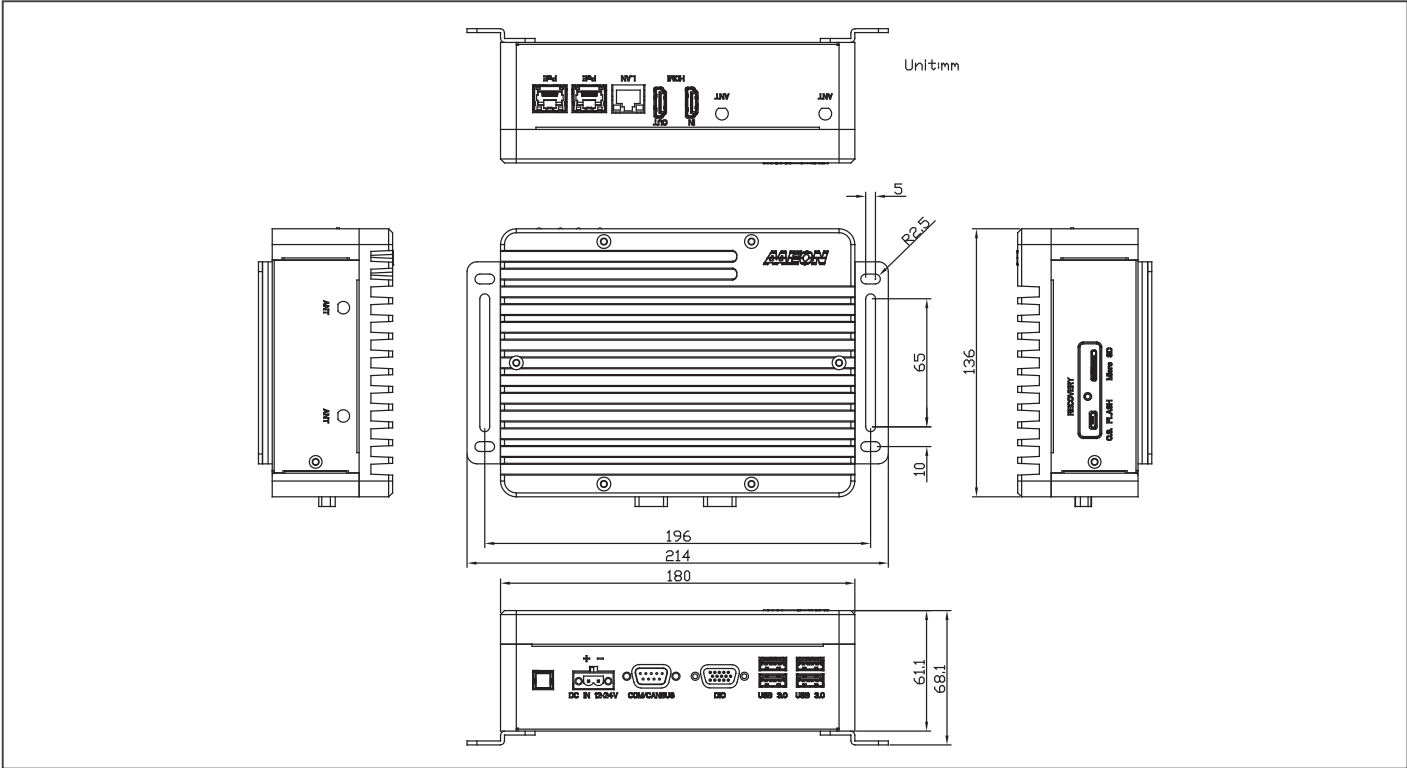


## Specifications

| System                 |                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AI Accelerator         | Nvidia Jetson Xavier NX                                                                                                                                                                                                                                                                                                                                                                                     |
| CPU                    | 6 Core ARM® Cortex-A72 64bit CPU 6MB L2 + 4MB L3                                                                                                                                                                                                                                                                                                                                                            |
| System Memory          | 8GB LPDDR4x                                                                                                                                                                                                                                                                                                                                                                                                 |
| Storage Device         | 16GB eMMC + MicroSD card expansion                                                                                                                                                                                                                                                                                                                                                                          |
| Display Interface      | HDMI Type A for HDMI 2.0 output x 1                                                                                                                                                                                                                                                                                                                                                                         |
| Ethernet               | POE PSE LAN x 2 (802.3at)                                                                                                                                                                                                                                                                                                                                                                                   |
| I/O                    | USB Type A x 4 for USB 3.2 Gen 1<br>USB Micro A/B x 1 for OS Flash<br>RJ-45 x 2 for PoE/PSE (802.3at) (Total 60W)<br>RJ-45 x 1 for GbE LAN<br>DB-9 x 1 for RS-232/485 & CANbus<br>DB15 x1 for Digital I/O 13-Channel (programmable)<br>Recovery Button x 1<br>MicroSD card slot x 1<br>Antenna opening x 4<br>HDMI Type A for HDMI 2.0 output x 1<br>HDMI Type A for HDMI 1.4 input x 1<br>Power Button x 1 |
| Expansion              | Full-size minicard slot x1 (PCIe/USB/mSATA, default PCIe)<br>M.2 E-Key 2230 x 1 (for WiFi)<br>SIM socket x 1<br>SATA III (6.0 Gbps) port x 1 for 2.5" drive                                                                                                                                                                                                                                                 |
| Indicator              | Power LED x 1                                                                                                                                                                                                                                                                                                                                                                                               |
| OS Support             | AAEON ACLinux 4.9 (Compliance with Ubuntu 18.04)                                                                                                                                                                                                                                                                                                                                                            |
| Power Supply           |                                                                                                                                                                                                                                                                                                                                                                                                             |
| Power Requirement      | 12~24V DC with 2-pin terminal block                                                                                                                                                                                                                                                                                                                                                                         |
| Mechanical             |                                                                                                                                                                                                                                                                                                                                                                                                             |
| Mounting               | Wall mount kit                                                                                                                                                                                                                                                                                                                                                                                              |
| Dimensions (W x D x H) | 7.09 " x 5.35 " x 2.41" (180.0 mm x 136.0 mm x 61.1 mm)                                                                                                                                                                                                                                                                                                                                                     |
| Gross Weight           | 4.63 lbs. (2.1 kg)                                                                                                                                                                                                                                                                                                                                                                                          |
| Net Weight             | 2.87 lbs. (1.3 kg)                                                                                                                                                                                                                                                                                                                                                                                          |
| Environmental          |                                                                                                                                                                                                                                                                                                                                                                                                             |
| Operating Temperature  | 5°F ~ 131°F (-15°C ~ 55°C with 0.5 m/s airflow)                                                                                                                                                                                                                                                                                                                                                             |
| Storage Temperature    | -40°F ~ 176°F (-40°C ~ 80°C)                                                                                                                                                                                                                                                                                                                                                                                |
| Storage Humidity       | 5 ~ 95% @ 40°C, non-condensing                                                                                                                                                                                                                                                                                                                                                                              |
| Anti-Vibration         | 3.5Grms / 5~500Hz / operation-eMMC, MicroSD or mSATA                                                                                                                                                                                                                                                                                                                                                        |
| Anti-Shock             | 50G peak acceleration (11 msec. duration, eMMC, microSD, or mSATA)                                                                                                                                                                                                                                                                                                                                          |
| Certification          | CE / FCC class A                                                                                                                                                                                                                                                                                                                                                                                            |

Dimension

Unit: mm



Ordering Information

| Part Number          | AI Accelerator   | LAN | POE | USB 3.2 Gen 1 | RS-232/485 & CANbus | Storage                                               | Display                     | Mounting       | Power      | Operation temp.                  |
|----------------------|------------------|-----|-----|---------------|---------------------|-------------------------------------------------------|-----------------------------|----------------|------------|----------------------------------|
| BOXER-8253AI-A1-1010 | Jetson Xavier NX | 1   | 2   | 4             | 1                   | 16GB eMMC / MicroSD slot / mSATA slot / 2.5 drive bay | HDMI IN x 1<br>HDMI OUT x 1 | Wall mount kit | DC 12V~24V | -15°C ~ 55°C with 0.5m/s airflow |

Packing List

- Power Connector
- BOXER-8253AI

Optional Accessories

- 1255X00035  
120W Power Adapter
- 1702031802  
Power Cord (US type)
- 1702031803  
Power Cord (European Type)
- 170203180E  
Power Cord (Japanese Type)

Note: All specifications are subject to change without notice.

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