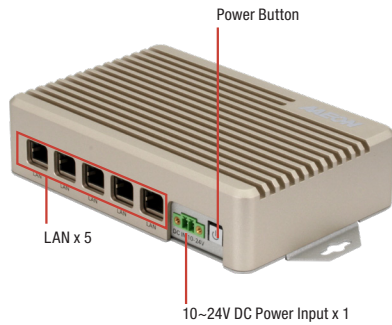


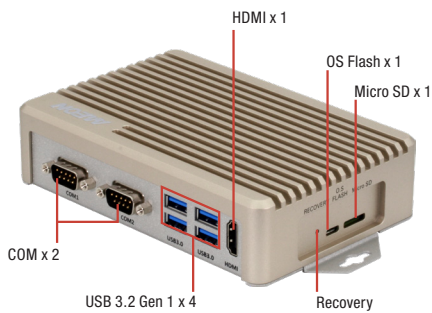
BOXER-8250AI

AI@Edge Fanless Embedded Box PC with NVIDIA Jetson Xavier NX, 5 GbE LAN Ports

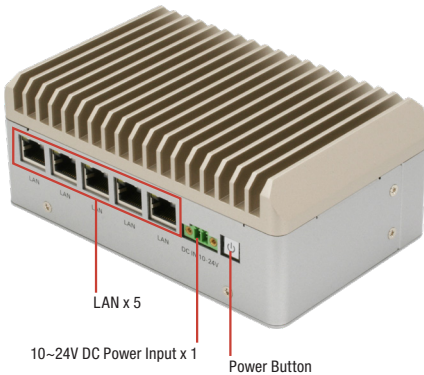
Front View



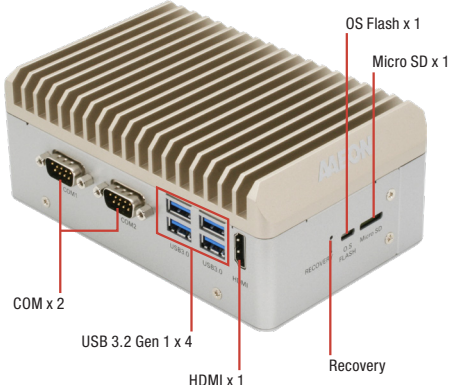
Rear View



BOXER-8250AI-A4
Front View



Rear View



Features

- NVIDIA® Jetson Xavier™ NX
- 8GB LPDDR4
- Multi-storage option: 16GB eMMC / MicroSD slot / 2.5" drive bay
- GbE LAN x 5
- USB 3.2 Gen 1 x 4
- 10~24Vdc Power input

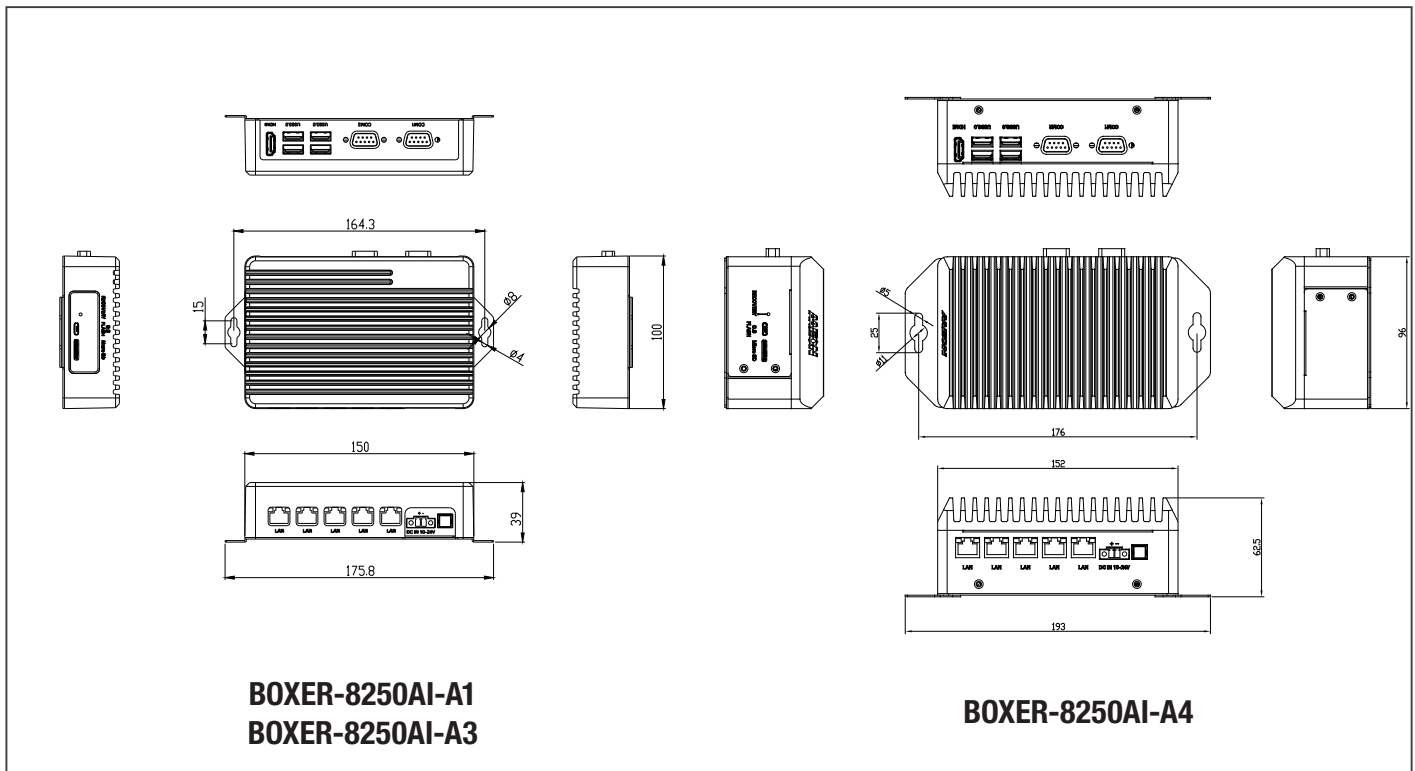


Specifications

| System | |
|------------------------|---|
| AI Accelerator | NVIDIA Jetson Xavier NX |
| CPU | 6-core NVIDIA Carmel ARM® v8.2 64-bit CP |
| System Memory | 8GB LPDDR4x |
| Storage Device | 16 eMMC and MicroSD card slot (A1, A3) 16 eMMC and MicroSD card slot and 2.5" HDD drive(A4) |
| Display Interface | HDMI 2.0 |
| Ethernet | 10/100/1000Base-TX x 5 |
| I/O | USB Type A x 4 for USB 3.2 Gen 1 RJ-45 x 5 for GbE LAN DB-9 x 2 for RS-232 HDMI Type A x 1 for HDMI 2.0 MicroSD slot x 1 Micro USB x 1 for O.S Flash Recovery button x 1 Power button with power LED x 1 |
| Expansion | — |
| Indicator | Power LED x 1 |
| OS Support | Linux (AAEON ACLinux 4.9) Linux (NVIDIA Jetpack 4.5) |
| Power Supply | |
| Power Requirement | 10 ~ 24V DC with 2-pin terminal block |
| Mechanical | |
| Mounting | Wallmount |
| Dimensions (W x D x H) | A1, A3 : 6.92" x 3.94" x 1.54"(175.8mm x 100.0mm x 39.0mm) A4 : 6.92" x 3.94" x 2.41"(175.8mm x 100.0mm x 61.3mm) |
| Gross Weight | A1, A3 : 2.48 lbs (1.12 kg) A4 : 3.5lbs (1.6kg) |
| Net Weight | A1, A3 : 1.46 lbs (0.66 kg) A4 : 2.0lbs (0.91kg) |
| Environmental | |
| Operating Temperature | A1, A3 : 14°F ~ 149°F (-10°C ~ 65°C, according to IEC60068-2 with 0.5 m/s AirFlow) A4 : -13°F ~ 140°F (-10°C ~ 60°C, according to IEC60068-2 with 0.5 m/s AirFlow) |
| Storage Temperature | -40°F ~ 176°F (-40°C ~ 80°C) |
| Storage Humidity | 95% @ 40°C, non-condensing |
| Anti-Vibration | 3.5Grms / 5~500Hz / operation (eMMC, MicroSD, or SSD) |
| Anti-Shock | — |
| Certification | CE/FCC class A |

Dimension

Unit: mm



BOXER-8250AI-A1
BOXER-8250AI-A3

BOXER-8250AI-A4

Ordering Information

| PART NUMBER | AI SOLUTION | LAN | USB | RS-232 | STORAGE | DISPLAY | MOUNTING | POWER | OPERATION SYSTEM |
|----------------------------|------------------|-----|-------------------|--------|---|----------|-----------|--------|--------------------|
| BOXER-8250AI-A1-1010 | Jetson Xavier NX | 5 | USB 3.2 Gen 1 x 4 | 2 | 16GB eMMC and Micro-SD card slot | HDMI x 1 | Wallmount | 10-24V | ACLinux 4.9 |
| BOXER-8250AI-A3-1010 | Jetson Xavier NX | 5 | USB 3.2 Gen 1 x 4 | 2 | 16GB eMMC and Micro-SD card slot | HDMI x 1 | Wallmount | 10-24V | NVIDIA Jetpack 4.5 |
| BOXER-8250AI-A4-1010 | Jetson Xavier NX | 5 | USB 3.2 Gen 1 x 4 | 2 | 16GB eMMC and Micro-SD card slot and 2.5" HDD Drive | HDMI x 1 | Wallmount | 10-24V | NVIDIA Jetpack 4.5 |
| BOXER-8250AI-JP46E-A1-1111 | Jetson Xavier NX | 5 | USB 3.2 Gen 1 x 4 | 2 | 16GB eMMC and Micro-SD card slot | HDMI x 1 | Wallmount | 10-24V | NVIDIA Jetpack 4.6 |
| BOXER-8250AI-JP46E-A2-1111 | Jetson Xavier NX | 5 | USB 3.2 Gen 1 x 4 | 2 | 16GB eMMC and Micro-SD card slot and 2.5" HDD Drive | HDMI x 1 | Wallmount | 10-24V | NVIDIA Jetpack 4.6 |

Packing List

- Power Connector x 1
- BOXER-8250AI

Optional Accessories

- 1255300611
60W Power Adapter
- 1702031802
Power Cord (US type)
- 1702031803
Power Cord (European Type)
- 170203180E
Power Cord (Japanese Type)