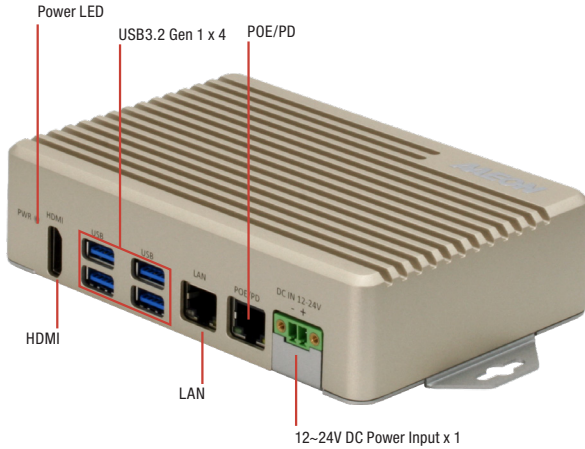


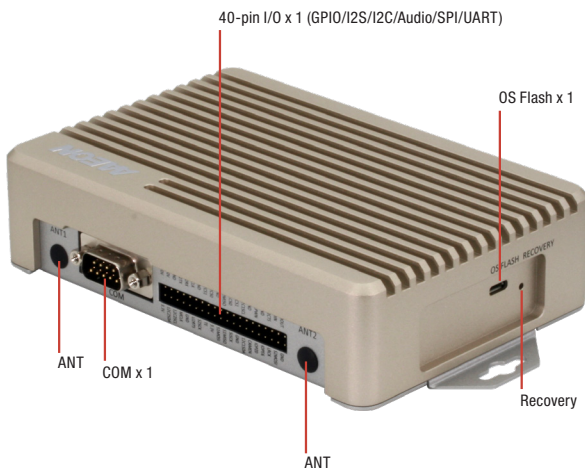
# BOXER-8222AI

AI@Edge Fanless Embedded Box PC with NVIDIA Jetson Nano, PD Port

Front View



Rear View



## Features

- NVIDIA Jetson Nano
- PoE/PD x 1
- 4GB LPDDR4 + 32GB SD card slot
- USB 3.2 Gen 1 x 4
- M.2 E-key slot x 1 for WiFi function expansion
- DC 12 ~ 24V wide voltage power input
- Wide working temperature -10°C ~ 70°C

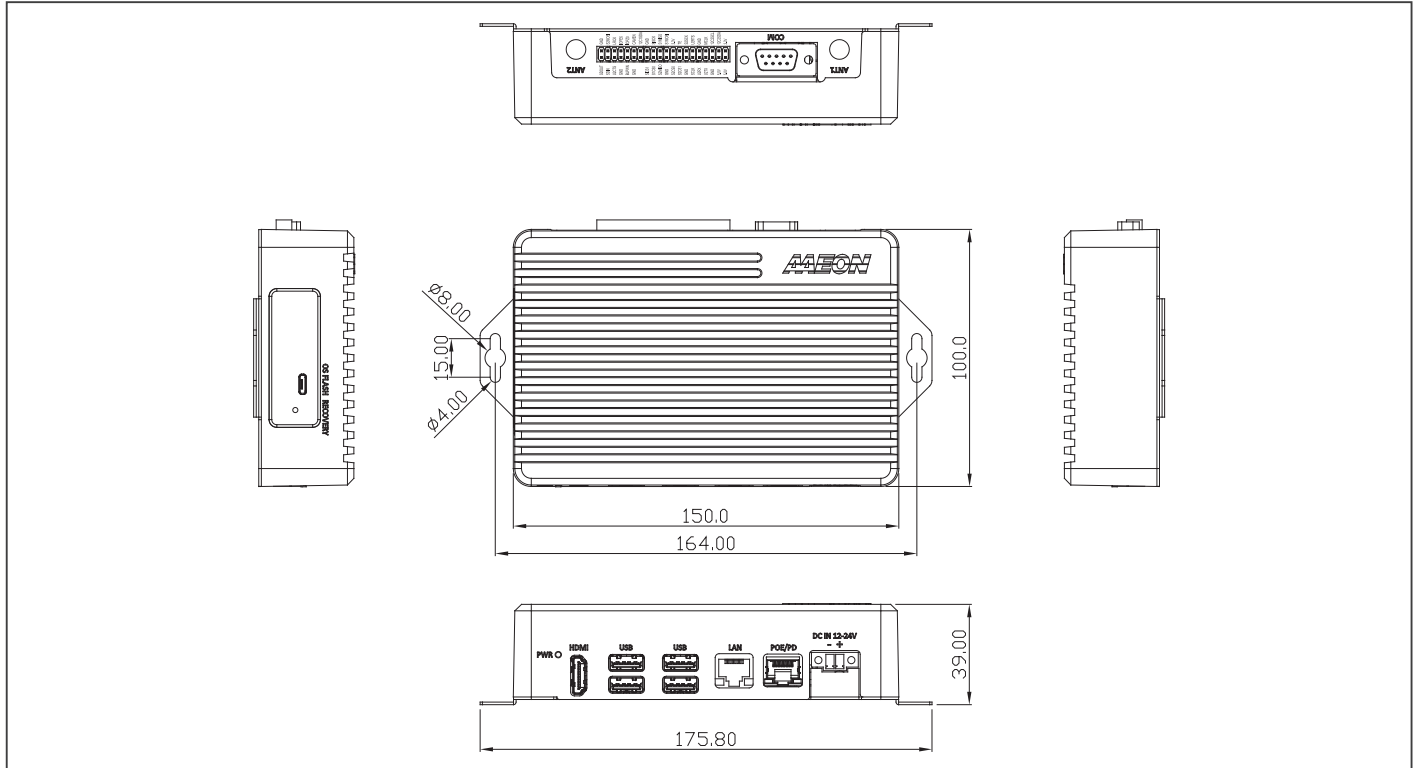


## Specifications

System	
AI Accelerator	NVidia® Jetson Nano™
CPU	Quad Core ARM® Cortex®-A57 MPCore Processor
System Memory	4GB LPDDR4
Storage Device	32 GB MicroSD Card (Jetson Nano version B) Mini-Card (Full Size) x 1 (PCIe+SATA+USB)
Display Interface	HDMI 2.0 x 1
Ethernet	10/100/1000Base-TX x 2
I/O	USB 3.2 Gen 1 x 4 LAN x 1 PD x 1 (Powered Device) 40-pin I/O x 1 (GPIO/I2S/I2C/Audio/SPI/UART) RS-232 x 1 HDMI x 1 Mico-USB x 1 for Flash OS DC Power Input x 1 Recovery Button x 1 Micro-USB for Flash OS x 1
Expansion	Antenna x 2 M.2 2230 E Key x 1 (for Wi-Fi)
Indicator	Power LED x 1
OS Support	Linux (AAEON ACLinux 4.9) Linux (NVIDIA Jetpack 4.5)
Power Supply	
Power Requirement	DC 12V~24V 2-pin terminal
Mechanical	
Mounting	Wallmount
Dimensions (W x D x H)	6.92" x 3.94" x 1.54" (175.8 mm x 100.0 mm x 39.0 mm)
Gross Weight	2.31 lbs (1.05 kg)
Net Weight	1.28 lbs (0.58 kg)
Environmental	
Operating Temperature	14°F ~ 158°F (-10°C ~ 70°C, according to IEC60068-2 with 0.5 m/s AirFlow)
Storage Temperature	-40 °F ~ 176°F(-40°C ~ 80°C)
Storage Humidity	95% @ 40C, non-condensing
Anti-Vibration	Random, 3.5Grms, 5~500Hz
Anti-Shock	—
Certification	CE/FCC class A

## Dimension

Unit: mm



## Ordering Information

PART NUMBER	AI SOLUTION	LAN	USB	RS-232	I/O	STORAGE	EXPANSION	DISPLAY	MOUNTING	POWER	OPERATION TEMP	OPERATION SYSTEM
BOXER-8222AI-A1-1010	NVIDIA® Jetson Nano™	GbE PD x 1	GbE LAN x 1 USB 3.2 Gen 1 x 4	1	40-pin I/O 3.3V x 2 pin, 5.0V x 2 pin, GND x 8 pin, I2C x 2, SPI x 2, I2S x 1, UART x 1, GPIO x 4	32 GB MicroSD Card x 1 Mini-Card (Full Size) slot x 1	M.2 E-key 2230 slot x 1	HDMI x 1	Wallmount	DC 12V-24V	-10°C ~ 70°C with 0.5m/s airflow	ACLinux 4.9
BOXER-8222AI-A3-1010	NVIDIA® Jetson Nano™	GbE PD x 1	GbE LAN x 1 USB 3.2 Gen 1 x 4	1	40-pin I/O 3.3V x 2 pin, 5.0V x 2 pin, GND x 8 pin, I2C x 2, SPI x 2, I2S x 1, UART x 1, GPIO x 4	32 GB MicroSD Card x 1 Mini-Card (Full Size) slot x 1	M.2 E-key 2230 slot x 1	HDMI x 1	Wallmount	DC 12V-24V	-10°C ~ 70°C with 0.5m/s airflow	NVIDIA Jetpack 4.5

## Packing List

- Power Connector x 1
- BOXER-8222AI

## Optional Accessories

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