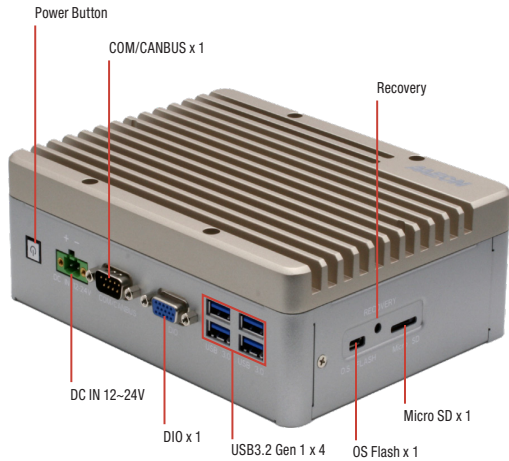


# BOXER-8233AI

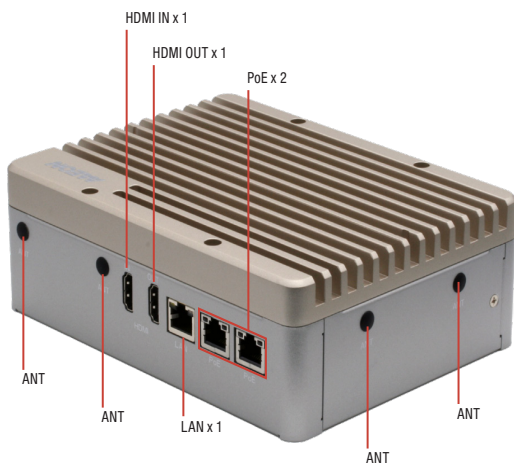
AI@Edge Compact Fanless Embedded BOX PC with NVIDIA® Jetson™ TX2 NX

AI@Edge Solutions

Front View



Rear View



## Features

- NVIDIA® Jetson™ TX2 NX
- 4GB LPDDR4
- 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™ TX2 NX
CPU	NVIDIA® Denver 2 (Dual-Core) Processor & ARM® Cortex® -A57 MPCore (Quad-Core) Processor
System Memory	4GB 128-bit LPDDR4
Storage Device	eMMC 16GB MicroSD slot x 1 Full-size mSATA (sharing slot with Full-size minicard module) 2.5" SATA drive bay x 1
Display Interface	HDMI Type A x 1 for HDMI 2.0
Ethernet	RJ-45 x 2 for GbE PoE/PSE (802.3at) RJ-45 x 1 for GbE LAN
I/O	USB Type A x 4 for USB 3.2 Gen 1 USB Micro A/B x 1 for OS Flash RJ45 x 2 for GbE PoE/PSE x 2 (802.3at) (Total 60W) RJ-45 x 1 for GbE LAN DB-9 x 1 for RS-232/485 & CANbus DB15 x 1 for Digital I/O 13-Channel (programmable) Recovery port x1 MicroSD slot x 1 Antenna opening x 4 HDMI Type A for HDMI 2.0 output x 1 HDMI Type A for HDMI 1.4 input x 1 Power Button x 1
Expansion	Full-size minicard slot x1 (PCIe/USB/mSATA, default PCIe) M.2 E-Key 2230 x 1 (for WiFi) SIM socket x 1 SATA III (6.0 Gbps) port x 1 for 2.5" drive
Indicator	Power LED x 1
OS Support	Linux (NVIDIA Jetpack 4.5.1)
Power Supply	
Power Requirement	DC 12V~24V with 2-pin terminal block ATX mode
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. (2.1kg)
Net Weight	2.87 lbs. (1.3kb)
Environmental	
Operating Temperature	5°F ~ 131°F (-15°C ~ 55°C, according to IEC60068-2 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, mSATA, or SSD)
Anti-Shock	50G peak acceleration (11 msec. duration, eMMC, microSD, mSATA, or SSD)
Certification	CE / FCC class A / UKCA

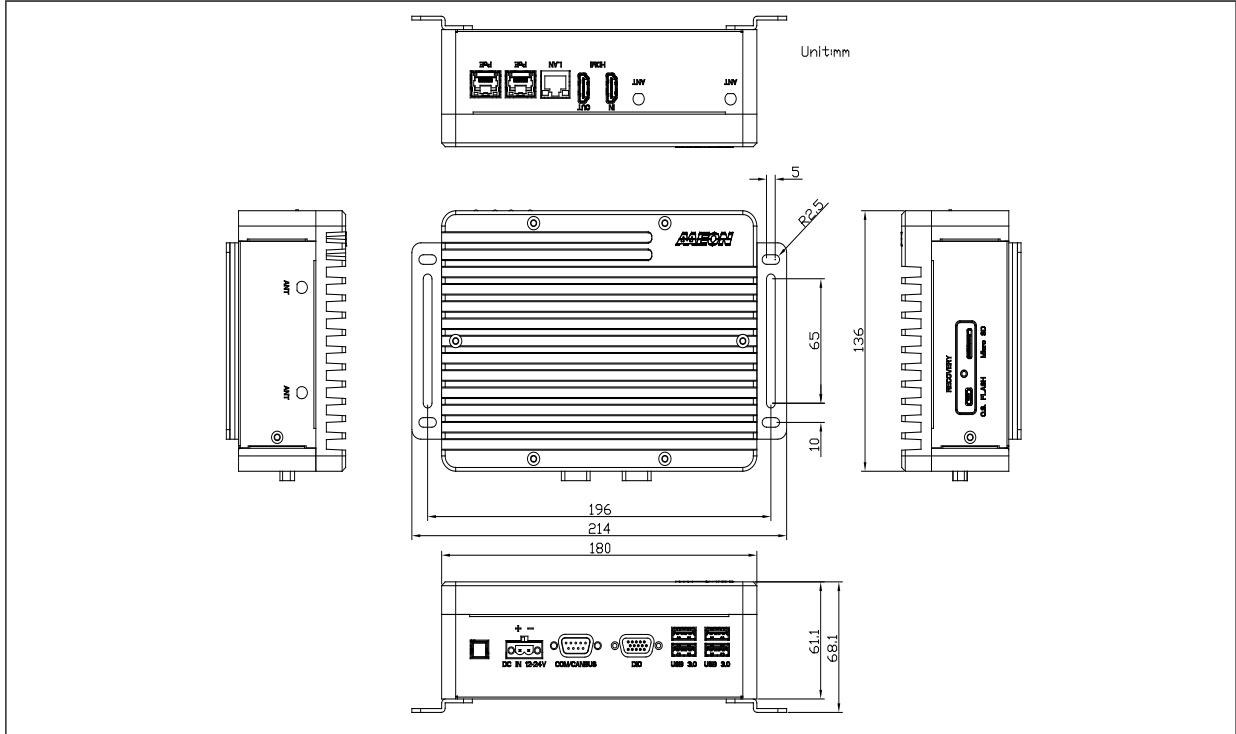
# BOXER-8233AI

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## Dimension

Unit: mm



## Ordering Information

Part Number	AI Accelerator	LAN	POE	USB 3.2 Gen1	RS-232/485 & CANbus	Storage	Display	Mounting	Power	Operation temp.	OPERATION SYSTEM
BOXER-8233AI-A3-1111	Jetson TX2 NX	1	2	4	1	16GB eMMC / MicroSD slot / mSATA slot / 2.5 drive bay	HDMI OUT x 1	Wall mount kit	DC 12V~24V	-15°C ~ 55°C with 0.5m/s airflow	NVIDIA Jetpack 4.5.1
BOXER-8233AI-JP46E-A1-1111	Jetson TX2 NX	1	2	4	1	16GB eMMC / MicroSD slot / mSATA slot / 2.5 drive bay	HDMI OUT x 1	Wall mount kit	DC 12V~24V	-15°C ~ 55°C with 0.5m/s airflow	NVIDIA Jetpack 4.6

## Packing List

- Wallmount Bracket x 2
- Power Connector x 1
- Screw Package x 1
- BOXER-8233AI

## Optional Accessories

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

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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