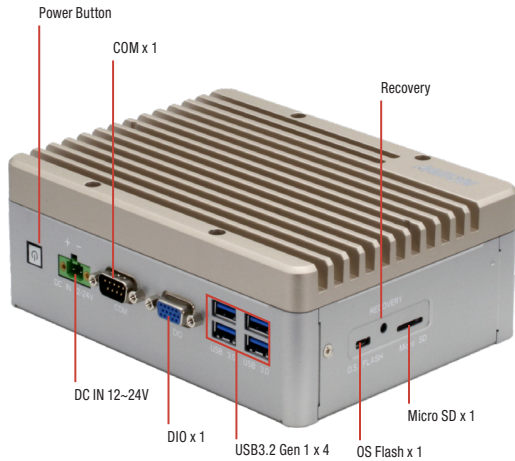


BOXER-8223AI

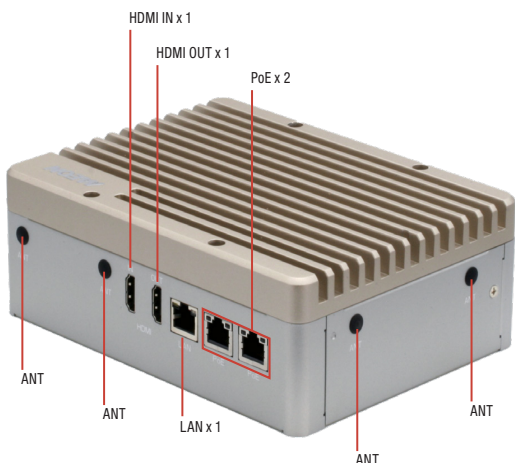
AI@Edge Compact Fanless Embedded BOX PC with NVIDIA Jetson Nano

AI@Edge Solutions

Front View



Rear View



Features

- NVIDIA Jetson Nano
- 4GB LPDDR4
- 16GB eMMC + Micro SD card slot
- PoE/PSE GbE LAN x 2
- HDMI Input
- Digital I/O 13-channel
- Full-size Minicard x 1 w/ SIM Slot
- 12-24Vdc Power Input



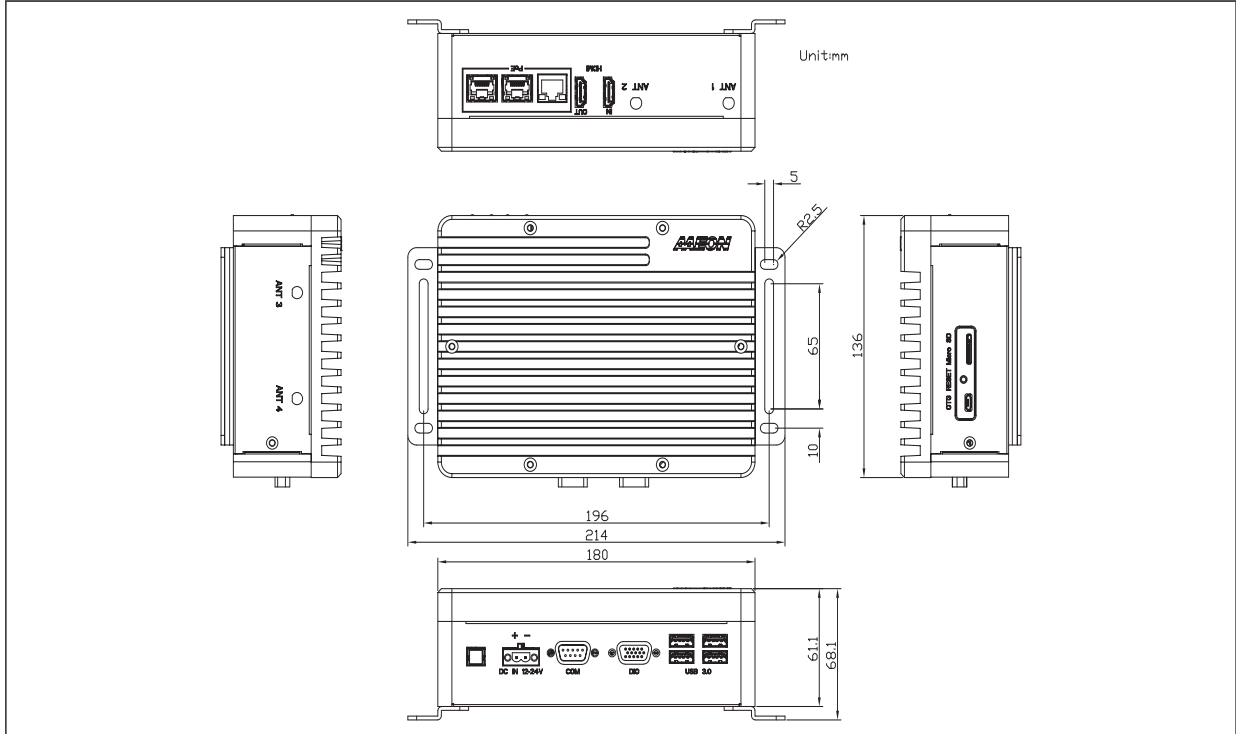
Specifications

System	
AI Accelerator	Nvidia Jetson Nano
CPU	Quad Core ARM® Cortex®-A57 MPCore Processor
System Memory	4GB LPDDR4
Storage Device	16GB eMMC + Micro SD card slot 2.5" SATA drive bay x 1
Display Interface	HDMI Type A 2.0 *1 (Output) HDMI Type A 1.4 *1 (Input)
Ethernet	POE PSE LAN x2 (802.3at)
I/O	USB Type A x 4 for USB 3.2 Gen1 GbE LAN with LED Indicator POE PSE LAN x2 (802.3at) DB-9 x 1 for RS-232/485 DB15 x 1 Female for 13 Channel DIO 0.S Flash port x 1 Recovery port x1 Antenna opening x 2 HDMI Type A 2.0 *1 (Output) HDMI Type A 1.4 *1 (Input via MIPI CSI) Power bottom *1
Expansion	Minicard*1 w/ SIM slot M.2 E-Key 2230 x 1(for WiFi)
Indicator	Power LED x 1
OS Support	Nvidia Jetpack 4.5 or above
Power Supply	
Power Requirement	DC 12V~24V with 2-pin terminal block ATX mode
Mechanical	
Mounting	Wall mount kit (default)
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	14°F ~ 158°F (-10°C ~ 70°C), with 0.5m/s airflow
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Storage Humidity	5 ~ 95% @ 40°C, non-condensing
Anti-Vibration	Random, 3 Grms, 5~500Hz
Anti-Shock	50G peak acceleration (11 msec. duration,eMMC)
Certification	CE / FCC class A / UKCA

BOXER-8223AI 01

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Dimension Unit: mm



Ordering Information

PART NUMBER	AI ACCELERATOR	LAN	POE	USB	RS-232/485	STORAGE	DISPLAY	MOUNTING	POWER	OPERATION TEMP	OPERATION SYSTEM
BOXER-8223AI-A3-1010	Nvidia® Jetson Nano™	1	2	USB 3.2 Gen 1 x 4	1	16GB eMMC + MicroSD	HDMI IN x 1 HDMI OUT x 1	Wallmount	DC 12V-24V	-10°C ~ 70°C with 0.5m/s airflow	NVIDIA Jetpack 4.5
BOXER-8223AI-A3-1111	Nvidia® Jetson Nano™	1	2	USB 3.2 Gen 1 x 4	1	16GB eMMC + MicroSD 2.5" SATA drive bay x 1	HDMI IN x 1 HDMI OUT x 1	Wallmount	DC 12V-24V	-10°C ~ 70°C with 0.5m/s airflow	NVIDIA Jetpack 4.5
BOXER-8223AI- JP46E-AI-1111	Nvidia® Jetson Nano™	1	2	USB 3.2 Gen 1 x 4	1	16GB eMMC + MicroSD 2.5" SATA drive bay x 1	HDMI IN x 1 HDMI OUT x 1	Wallmount	DC 12V-24V	-10°C ~ 70°C with 0.5m/s airflow	NVIDIA Jetpack 4.6

Packing List

- Power Connector
- BOXER-8223AI

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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