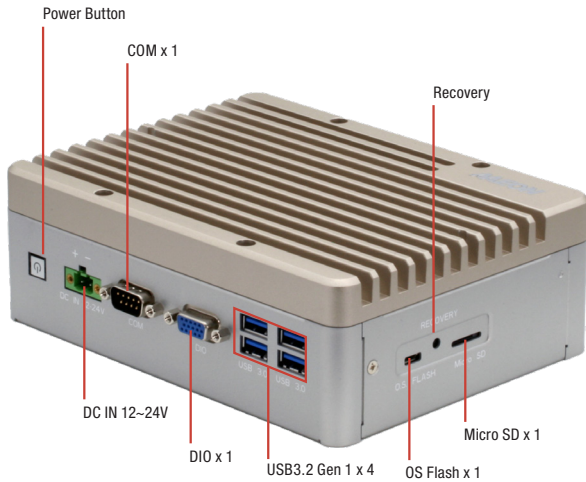


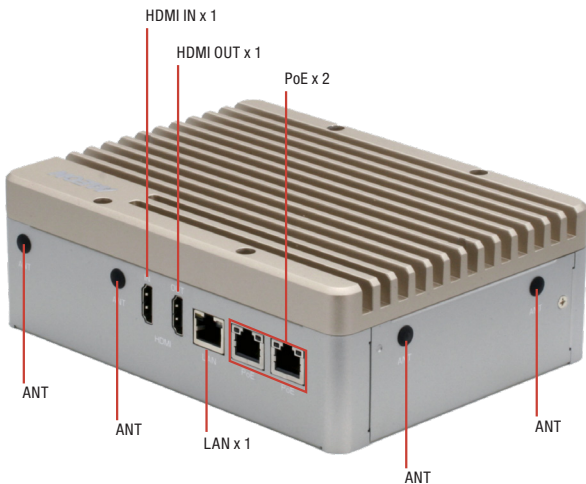
# BOXER-8223AI

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

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

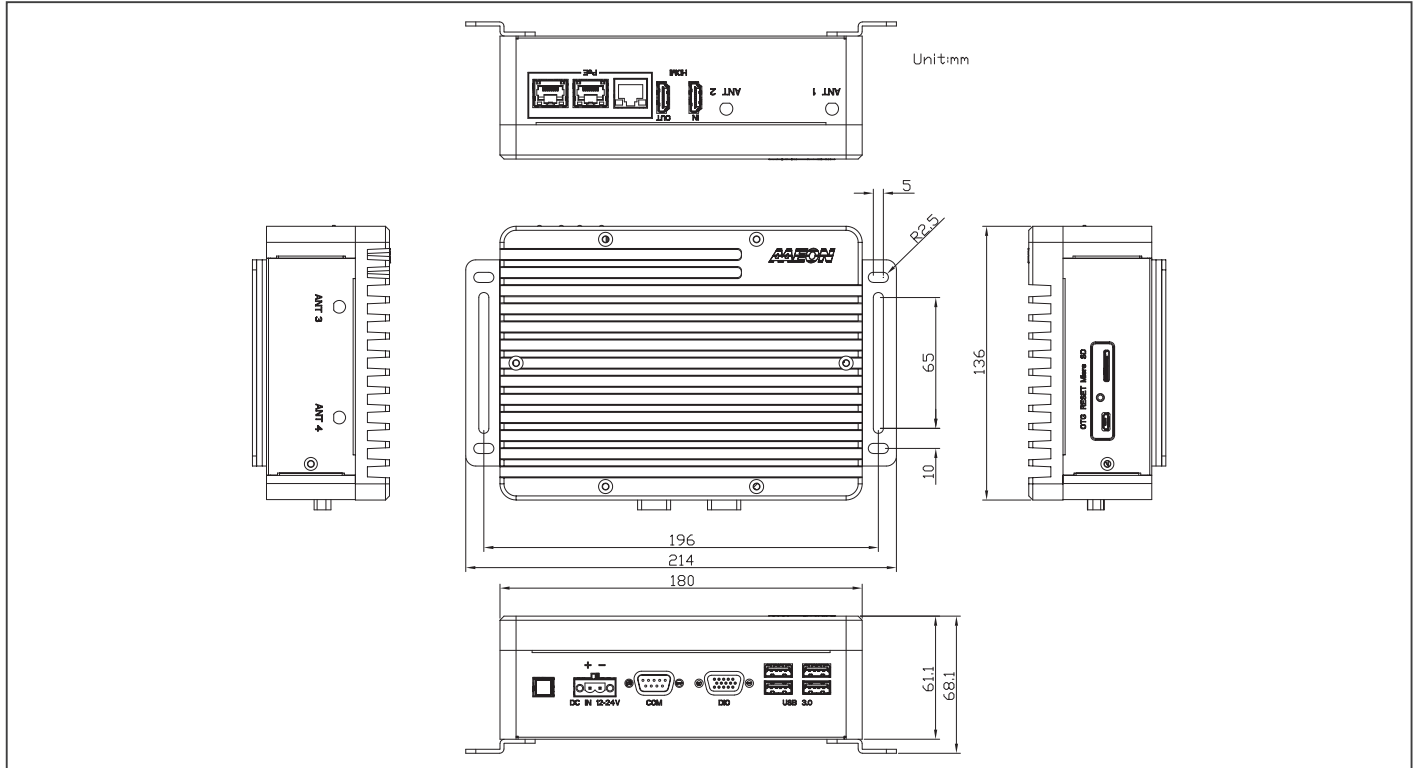


## Specifications

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
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 O.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

## Dimension

Unit: mm



## Ordering Information

Part Number	AI Accelerator	LAN	POE	USB 3.2 Gen 1	RS-232/485	Storage	Display	Mounting	Power	Operation temp.
BOXER-8223AI-A3-1010	Nvidia® Jetson Nano™	1	2	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

## 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)