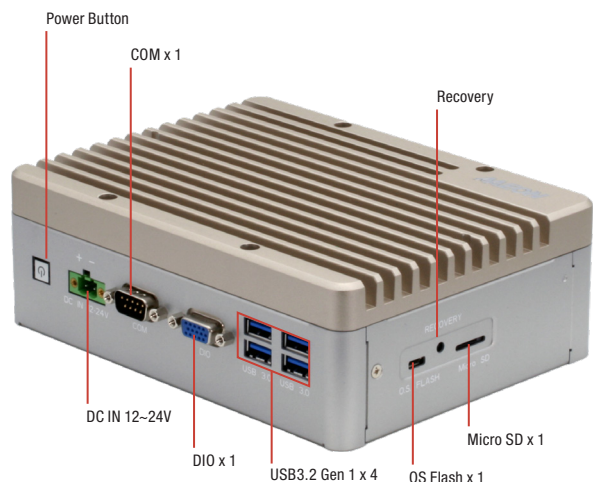


# BOXER-8223AI

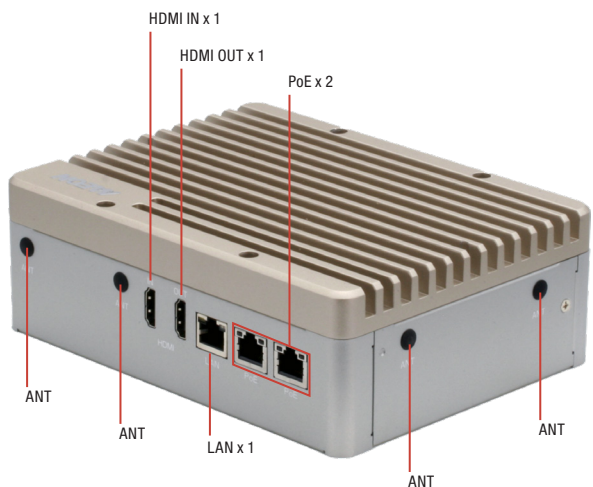
AI@Edge Compact Fanless Embedded AI System with NVIDIA® Jetson Nano™



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 Mini Card x 1 w/ SIM Slot
- 12~24Vdc Power Input



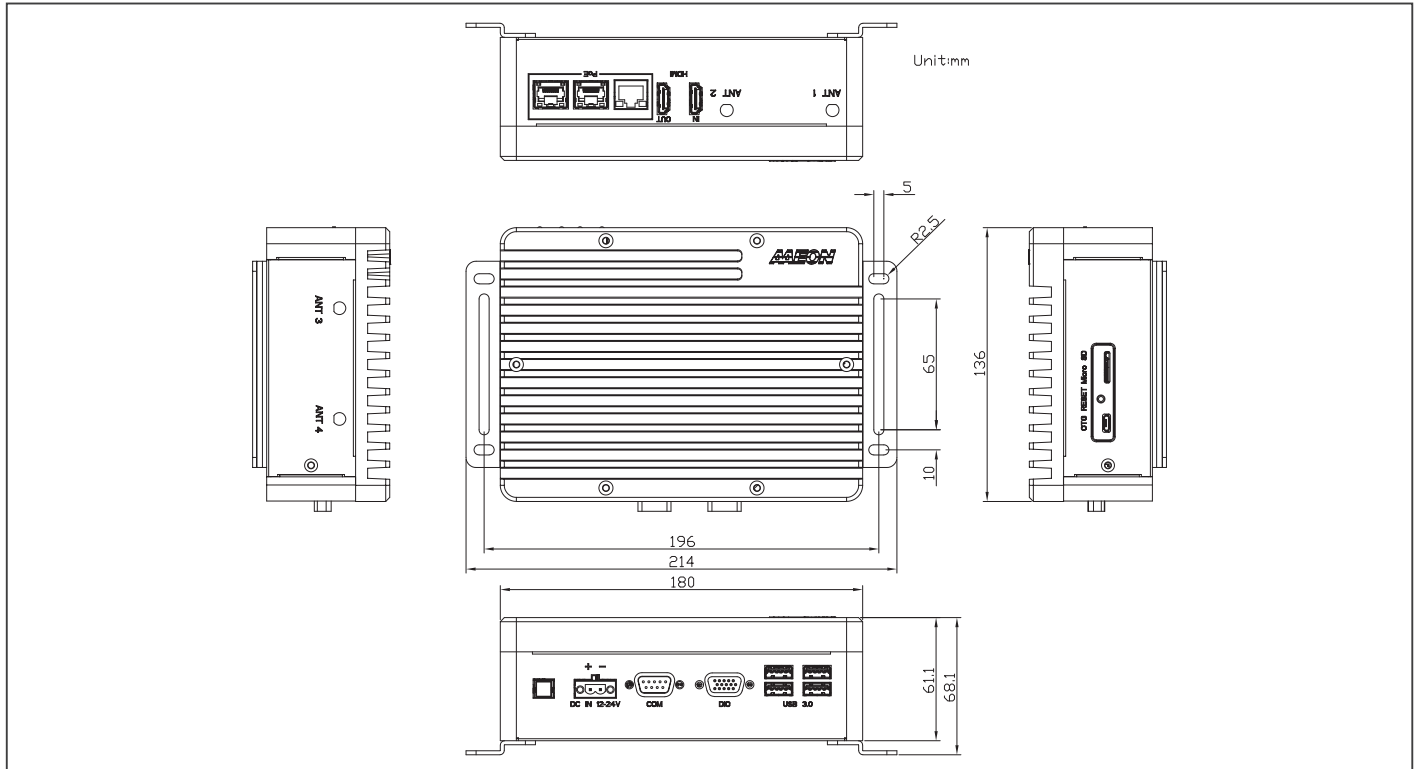
## Specifications

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 2.0 (Type-A) x 1 (Output) HDMI 1.4 (Type-A) x 1 (Input)
Ethernet	PoE/PSE LAN x 2 (IEEE 802.3at)
I/O	USB 3.2 Gen 1 (Type-A) x 4 GbE LAN with LED Indicator PoE/PSE LAN x 2 (IEEE 802.3at) DB-9 x 1 for RS-232/485 DB-15 x 1 Female for 13-Channel DIO O.S Flash Port x 1 Recovery Port x1 Antenna Opening x 2 HDMI 2.0 (Type-A) x 1 (Output) HDMI 1.4 (Type-A) x 1 (Input via MIPI CSI) Power Bottom x 1
Expansion	Mini Card x 1 w/ SIM Slot M.2 2230 E-Key x 1 (for Wi-Fi)
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" (180.0mm x 136.0mm x 61.1mm)
Gross Weight	4.63 lb. (2.1Kg)
Net Weight	2.87 lb. (1.3Kg)
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	RS-232/485	Storage	Display	Mounting	Power	Operation Temp	Operation System
BOXER-8223AI-JP46E-A1-1010	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
BOXER-8223AI-JP462E-A1-1110	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™ 4.6.2

## Packing List

- Power Connector
- BOXER-8223AI

## Optional Accessories

- **1255X00066**  
120W Power Adapter
- **170X000799**  
Power Cord (US type)
- **170X000800**  
Power Cord (European Type)
- **170X000803**  
Power Cord (Japanese Type)