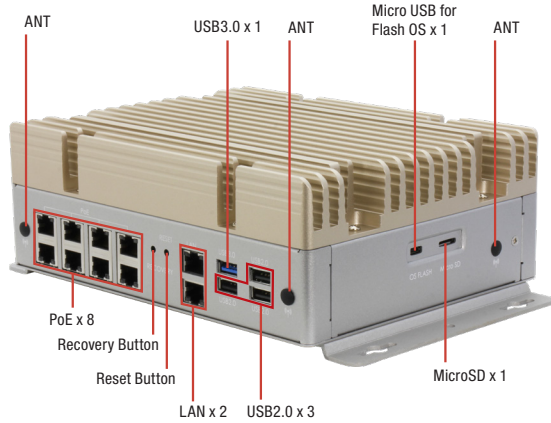


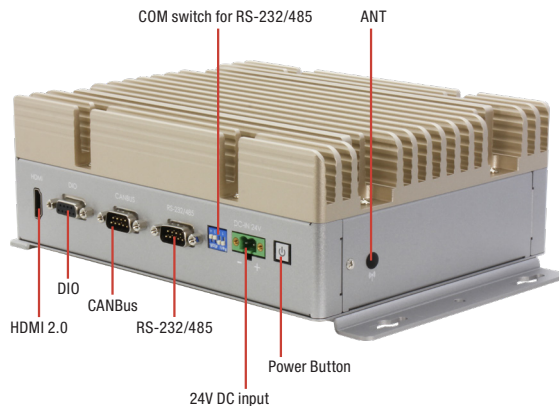
# BOXER-8254AI

AI@Edge Compact Fanless Embedded BOX PC with NVIDIA Jetson Xavier NX & 8-port GbE PoE/PSE

Front View



Rear View



## Features

- NVIDIA Jetson Xavier NX with 8GB LPDDR4x
- Multi-storage option: 16GB eMMC / MicroSD slot / mSATA slot / 2.5" drive bay
- PoE/PSE GbE LAN x 8
- Digital I/O 6-channel (programmable)
- Support CANbus 2.0A

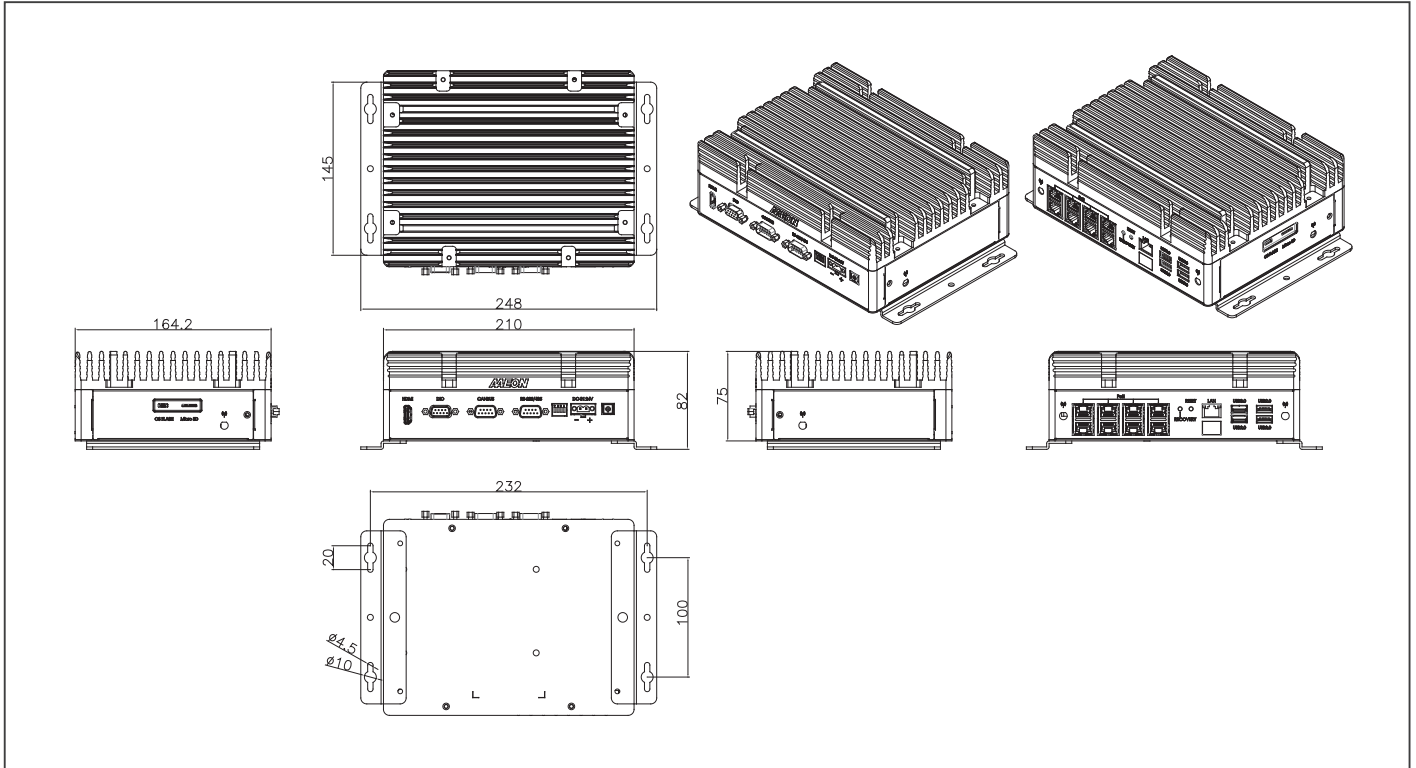


## Specifications

System	
AI Accelerator	NVIDIA Jetson Xavier NX
CPU	6 Core ARM® Carmel®V8.2 64bit CPU 6MB L2 + 4MB L3
System Memory	8GB LPDDR4x
Storage Device	16GB eMMC MicroSD slot x 1 Full-size minicard slot x1 for mSATA (share with LTE slot) SATA port x 1 for 2.5" drive
Display Interface	HDMI 2.0
Ethernet	10/100/1000Base-TX x 2, GbE POE x 8
I/O	RJ-45 x 8 for GbE PoE (802.11af, total 120W) RJ-45 x 2 for GbE LAN USB Type A x 1 for USB 3.2 Gen 2 USB Type A x 3 for USB 2.0 USB Micro A/B x 1 for OS Flash HDMI type A x1 for HDMI 2.0 a/b DB-9 x 1 for RS-232/485 with COM switch DB-9 x 1 for CANbus 2.0A DB-9 x 1 for Digital I/O 6-channel (programmable) MicroSD slot x 1 Power ON/OFF switch x 1 Recovery button x 1 Reset button x 1 SMA Antenna Opening x 4 2-pin terminal block for 24V power input
Expansion	Full-Size Mini-card slot (PCIe/USB/mSATA, default PCIe) M.2 E-Key 2230 for WIFI SATA port x 1 for 2.5" drive Header x 1 for RS-232 x1 Header x 1 for USB2.0 x 1 SIM socket x 1
Indicator	Power LED x 1
OS Support	NVIDIA Jetpack 4.5 and above
Power Supply	
Power Requirement	DC 24V with 2-pin terminal block
Mechanical	
Mounting	Wall-mount
Dimensions (W x D x H)	8.27 " x 6.46 " x 2.95" (210mmx 164.2mm x 75mm)
Gross Weight	7.5 lbs (3.4kg)
Net Weight	5.51 lbs (2.5kg)
Environmental	
Operating Temperature	5°F ~ 140°F (-15°C ~ 60°C, according to IEC60068-2 with 0.5 m/s AirFlow)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Storage Humidity	95% @ 40°C, non-condensing
Anti-Vibration	3.5 Grms/5 ~ 500Hz/ operation – MicroSD or eMMC
Anti-Shock	50G peak acceleration (11 msec. duration, eMMC, microSD, SATA, or SSD)
Certification	CE / FCC class A

## Dimension

Unit: mm



## Ordering Information

Part Number	AI Solution	RAM	PoE	LAN	USB 3.0	USB 2.0	CANBus	RS-232/485	Digital I/O	Audio	Storage	Display	Expansion	Mounting	Power	Operation temp.	Operation System
BOXER-8254AI-A1-1010	Jetson Xavier NX	8 GB LPDDR4x	8	2	1	3	1	1	1	—	16GB eMMC MicroSD slot x 1 Full-size Mini-card slot x 1 (select mSATA) 2.5" SATA Drive bay x 1	HDMI x 1	Full-Size Mini-card slot x 1 M.2 E-Key (for WiFi) x 1 SIM socket x 1 RS-232 Header x 1 USB2.0 Header x 1	Wallmount	24V	-15°C ~ 60°C	NVIDIA Jetpack 4.5.1

## Packing List

- Wallmount Bracket x 2
- Power Connector x 1
- BOXER-8254AI

## Optional Accessories

- **1255X00052**  
200W Power Adapter
- **1702031802**  
Power Cord (US type)
- **1702031803**  
Power Cord (European Type)
- **170203180E**  
Power Cord (Japanese Type)