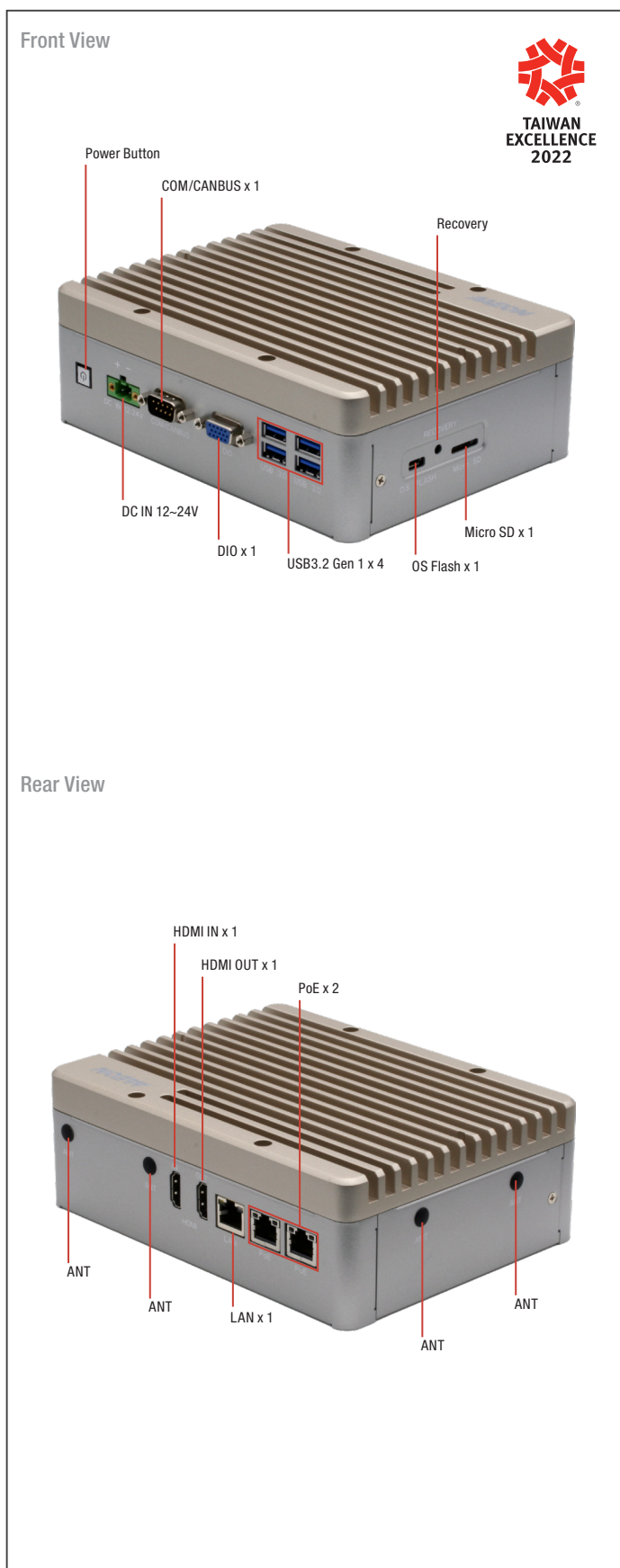


# BOXER-8253AI

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



## Features

- NVIDIA® Jetson Xavier™ NX
- 8GB LPDDR4x
- 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



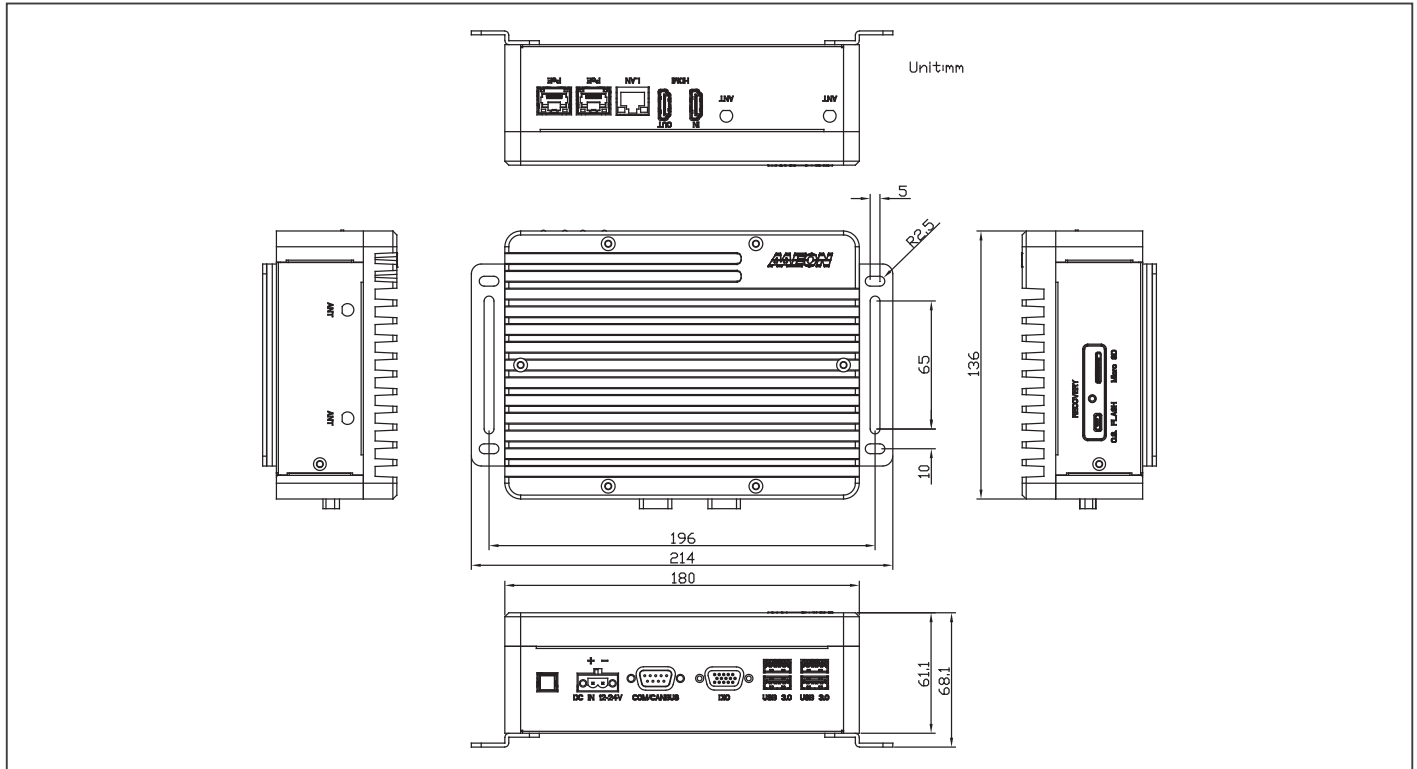
## Specifications

System	
AI Accelerator	NVIDIA® Jetson Xavier™ NX
CPU	6 Core ARM® Carmel®V8.2 64bit CPU 6MB L2 + 4MB L3
System Memory	8GB LPDDR4x
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 for HDMI 2.0 x 1
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 RJ-45 x 2 for PoE/PSE (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 Button x 1 MicroSD card 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 (AAEON ACLinux4.9) Linux (NVIDIA Jetpack 4.5)
Power Supply	
Power Requirement	12-24V DC with 2-pin terminal block
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. (2.1 kg)
Net Weight	2.87 lbs. (1.3 kg)
Environmental	
Operating Temperature	5°F ~ 131°F (-15°C ~ 55°C 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 or mSATA
Anti-Shock	50G peak acceleration (11 msec. duration, eMMC, microSD, or mSATA)
Certification	CE / FCC class A



## 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-8253AI-A1-1011	Jetson Xavier 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	ACLinux 4.9
BOXER-8253AI-A3-1010	Jetson Xavier 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
BOXER-8253AI-JP46E-A1-1211	Jetson Xavier 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-8253AI

## Optional Accessories

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