

BOXER-8652AI

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



Features

- NVIDIA® Jetson Orin™ NX
- 8GB LPDDR5
- Supports M.2 E-Key x 1, M.2 B-Key x 1, M.2 M-Key x 1
- Supports DB-9 x 1 for CANBus
- Supports GbE LAN x 2

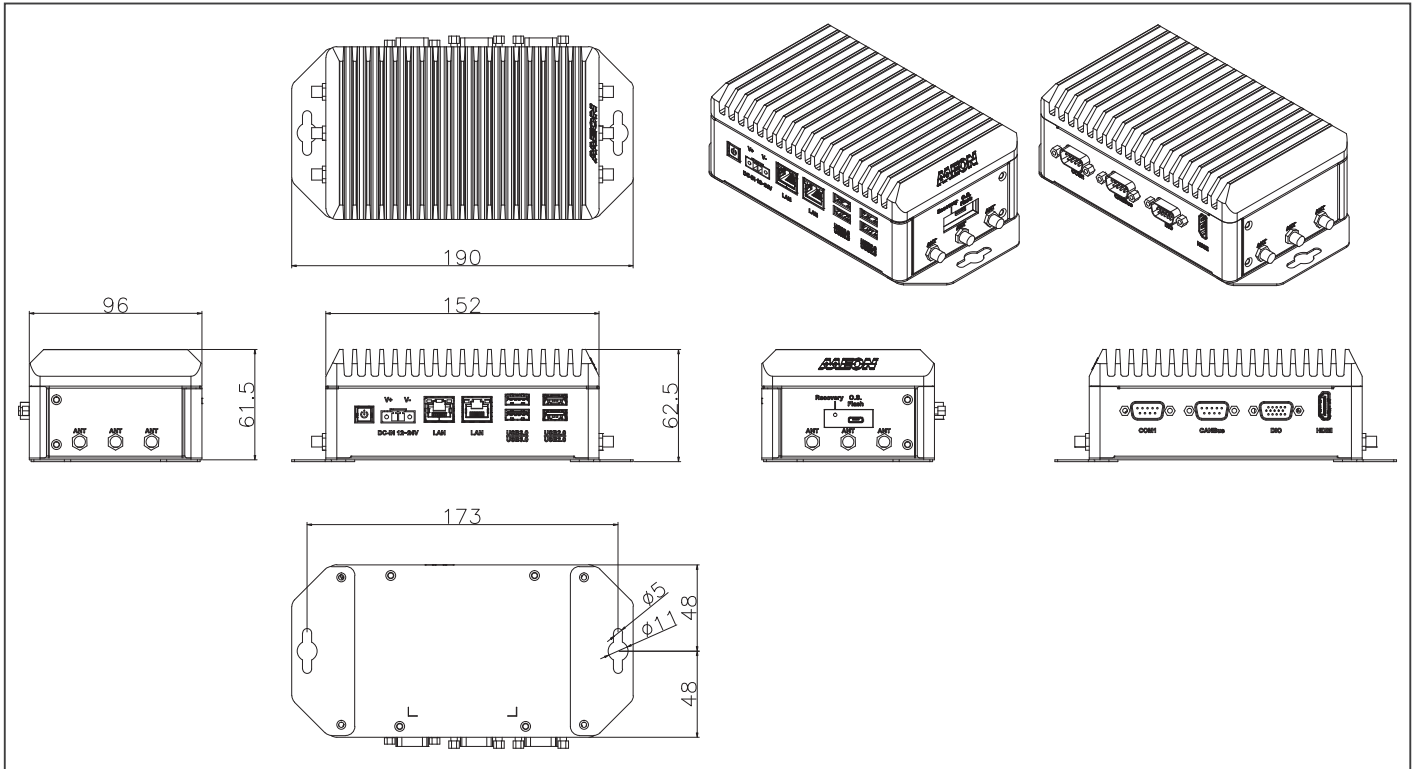


Specifications

System	
AI Accelerator	NVIDIA® Jetson Orin™ NX
CPU	6-core Arm® Cortex®-A78AE v8.2 64-bit CPU
System Memory	8GB LPDDR5
Storage Device	M.2 2280 M-Key x 1
Display Interface	HDMI 2.0 (Type-A) x 1
Ethernet	RJ-45 x 2 for 10/100/1000 Base-T
I/O	USB 3.2 Gen 2 (Type-A) x 2 USB 2.0 (Type-A) x 2 Micro USB x 1 for OS Flash DB-9 x 1 for CANBus DB-9 x 1 for RS-232/422/485 DB-15 x 1 for 13-bit DIO Power ON/OFF switch x 1 Recovery button x 1 Antenna Hole x 6
Expansion	M.2 2230 E-Key x 1 (Wi-Fi/Bluetooth) M.2 3042/3052 B-Key x 1 (4G/5G) M.2 2280 M-Key x 1
Indicator	Power LED x 1
OS Support	Linux (NVIDIA Jetpack™ 5.0 and up)
Power Supply	
Power Requirement	DC-in 12-24V with 2-pin terminal block
Mechanical	
Mounting	Wall mount kit
Dimensions (W x D x H)	5.98" x 3.78" x 2.42" (152mm x 96 mm x 61.5mm)
Gross Weight	3.97lb (1.8kg)
Net Weight	2.65lb (1.2kg)
Environmental	
Operating Temperature	-5°F ~ 140°F (-15°C ~ 60°C with 0.5 m/s airflow)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 85°C)
Storage Humidity	5 ~ 95% @ 40°C, non-condensing
Anti-Vibration	3.5Grms / 5~500Hz
Anti-Shock	50G peak acceleration
Certification	CE / FCC class A

Dimension

Unit: mm



Packing List

- BOXER-8652AI x 1
- Wallmount Bracket x 2
- Power connector x 1
- Screw Package x 1

Optional Accessories

- 1255300611
60W Power Adapter
- 1702031802
Power Cord (US type)
- 1702031803
Power Cord (European Type)
- 170203180E
Power Cord (Japanese Type)

Ordering Information

PART NUMBER	AI SOLUTION	LAN	USB	RS-232/422/485	CANBUS	DIO	STORAGE	DISPLAY	MOUNTING	POWER	OPERATION SYSTEM
BOXER-8652AI-JP511N-A1-1010	NVIDIA® Jetson Orin NX™	2	3.2 Gen 2 x 2, 2.0 x 2	1	1	13	M.2 2280 M-Key x 1 for Storage (Default: 128GB)	HDMI x 1	Wall mount	12 ~ 24VDC w/ 2 pin terminal block	Linux (NVIDIA Jetpack™ 5.0 or above)