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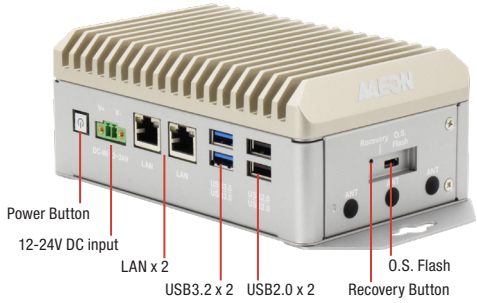
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BOXER-8652AI

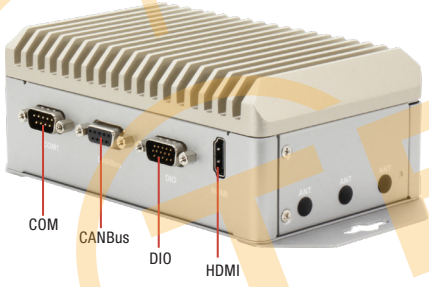
AI@Edge Compact Fanless Embedded AI System with NVIDIA® Jetson Orin™ NX

Front View

NVIDIA Elite Partner



Rear View



Features

- **NVIDIA® Jetson Orin™ NX**
- **8GB/16GB 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**

LPDDR 5 · USB 3.2 Gen 2 · HDMI · CE · FC

Specifications

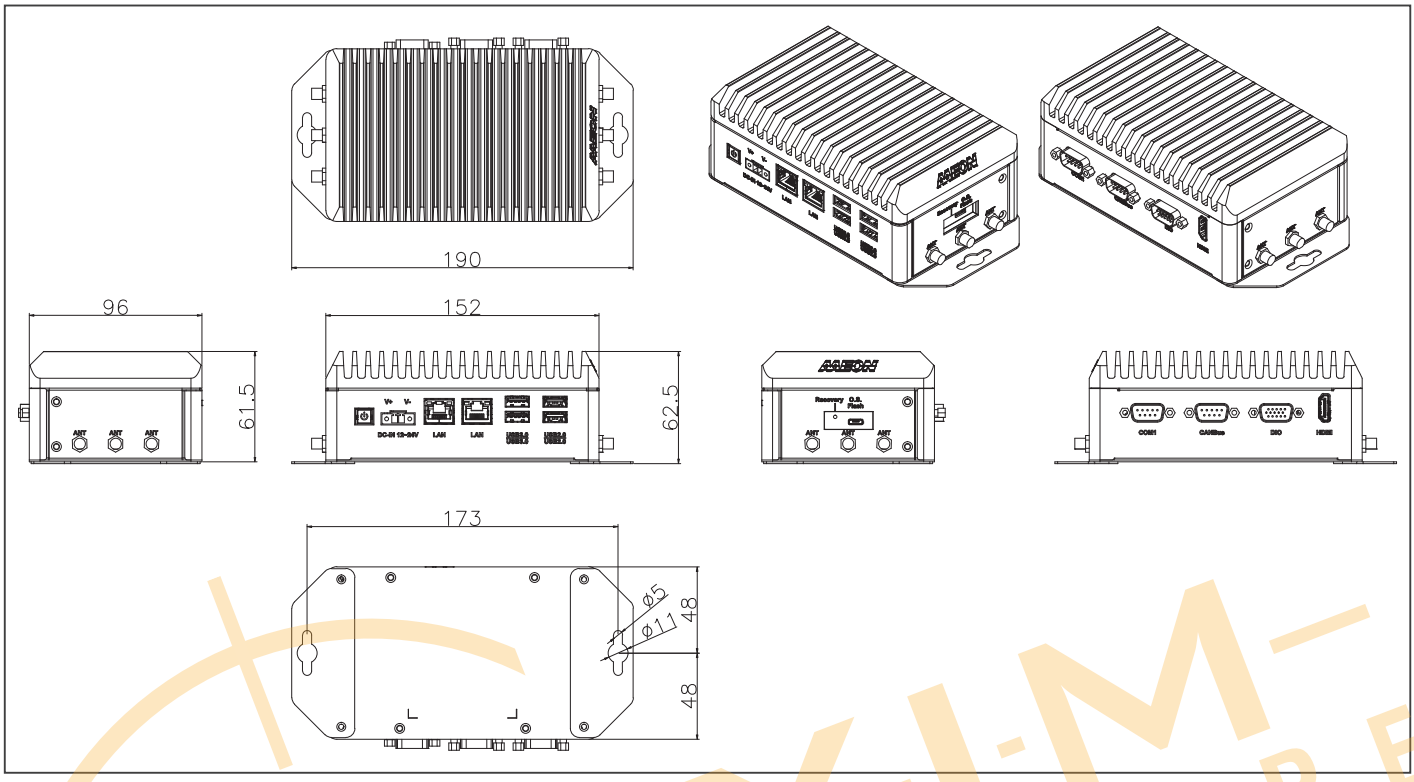
System	
AI Accelerator	NVIDIA® Jetson Orin™ NX
CPU	6-core Arm® Cortex®-A78AE v8.2 64-bit CPU
System Memory	8GB/16GB LPDDR5
Storage Device	M.2 2280 M-Key x 1
Display Interface	HDMI 2.0 (Type-A) x 1
Ethernet	RJ-45 x 2 for 10/100/1000 Base-T
I/O	USB 3.2 Gen 2 (Type-A) x 2 USB 2.0 (Type-A) x 2 Micro USB 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	3.5Grm / 5~500Hz
Anti-Shock	50G peak acceleration
Certification	CE / FCC class A

Note: All specifications are subject to change without notice.

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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
- 170X000799
  Power Cord (US type)
- 170X000800
  Power Cord (European Type)
- 170X000803
  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™ 8GB	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)
BOXER-8652AI-JP511N-A2-1010	NVIDIA® Jetson Orin NX™ 16GB	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)

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All operating parameters, including typical parameters, must be validated for each customer application by the customer’s technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.

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