

BOXER-8622AI PRELIMINARY

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

Front View



Rear View



Features

- NVIDIA® Jetson Orin Nano™
- 4GB LPDDR5
- Support M.2 Key E x 1, M.2 Key B x 1, M.2 Key M x 1
- Support DB-9 x 1 for CANbus
- Support GbE LAN x 2



Specifications

System	
AI Accelerator	NVIDIA® Jetson Orin Nano™
CPU	6-core Arm® Cortex®-A78AE v8.2 64-bit CPU
System Memory	4GB 64-Bit LPDDR5
Storage Device	M.2 M Key x 1
Display Interface	HDMI Type A for HDMI 2.0 x 1
Ethernet	RJ-45 x 2 for 10/100/1000 Base-T
I/O	RJ-45 x 2 for 10/100/1000 Base-T USB Type A x 2 for USB 3.2 Gen 1 USB Type A x 2 for USB 2.0 HDMI type A for HDMI v2.0 x 1 DB-9 x 1 for CANbus DB-9 x 1 for RS-232/422/485 DB-15 x 1 for 13 DIO 2-pin terminal block for 12-24V power input Power ON/OFF switch x 1 Antenna hole x 4
Expansion	M.2 E-Key 2230 x 1 for WiFi/Bluetooth M.2 B-Key 3042/3052 x1 for 4G/5G M.2 M-Key 2280 x1
Indicator	Power LED x 1
OS Support	Linux (NVIDIAJetpack 5.0 and above)
Power Supply	
Power Requirement	DC-in 12-24V with 2-pin terminal block
Mechanical	
Mounting	Wall mount kit
Dimensions (W x D x H)	TBD
Gross Weight	TBD
Net Weight	TBD
Environmental	
Operating Temperature	-13°F ~ 149°F (-25°C ~ 65°C with 0.5 m/s airflow)
Storage Temperature	-40°F ~ 158°F (-40°C ~ 70°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

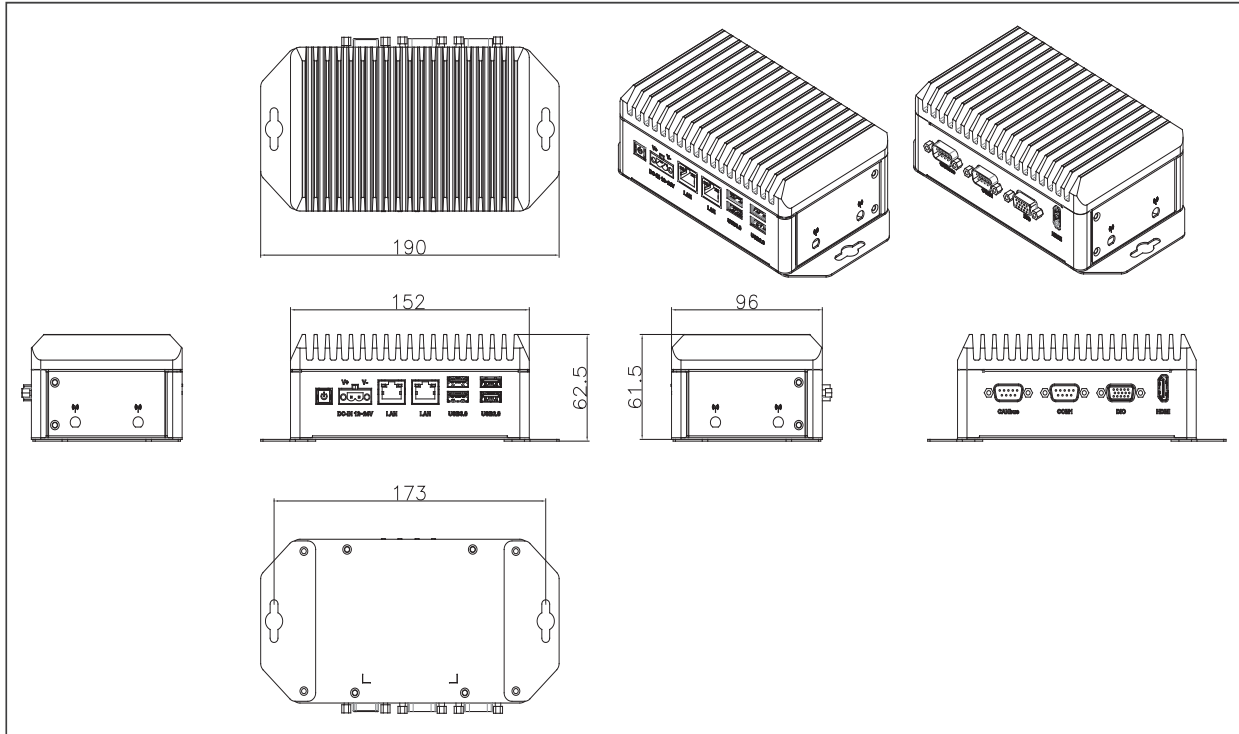
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AI@Edge Solutions

Dimension

Unit: mm



Optional Accessories

- TBD

Packing List

- TBD

Ordering Information

- TBD

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US

sales@assured-systems.com

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660