

BOXER-8652AI PRELIMINARY

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

AI@Edge Solutions

Front View



Rear View



Features

- NVIDIA® Jetson Orin™ NX
- 8GB LPDDR5x
- 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™ NX |
| CPU | 8-core Arm® Cortex®-A78AE v8.2 64-bit CPU |
| System Memory | 8GB 256-Bit LPDDR5x 102.4GB/s |
| 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 3 for USB 3.2 Gen 1 USB Type A x 1 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 (NVIDIA Jetpack 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 | -4°F ~ 131°F (-20°C ~ 55°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 | 1Grms / 5~500Hz |
| Anti-Shock | 20G peak acceleration |
| Certification | CE / FCC class A |

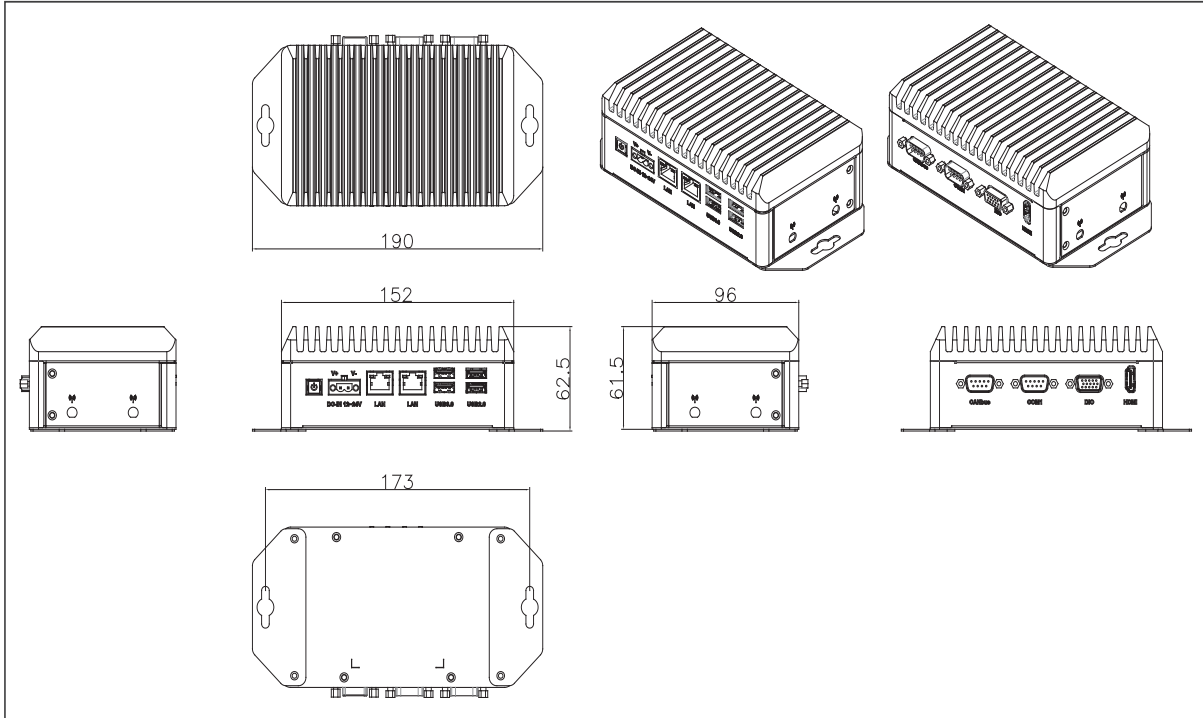
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Dimension

Unit: mm



Optional Accessories

- TBD

Packing List

- TBD

Ordering Information

- TBD

Assured Systems

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