

# BOXER-8741AI PRELIMINARY

AI@Edge Embedded Box PC Powered by NVIDIA® Jetson Thor™



Front View



Rear View



## Features

- NVIDIA® Jetson T5000™
- QSFP28 x 1 for 25GbE x 4
- 5GbE LAN x 4
- RS-232/485, CAN FD, DIO/GPIO
- M.2 expansion for 5G, Wi-Fi, and NVMe SSD
- MIL-STD-810H vibration/shock



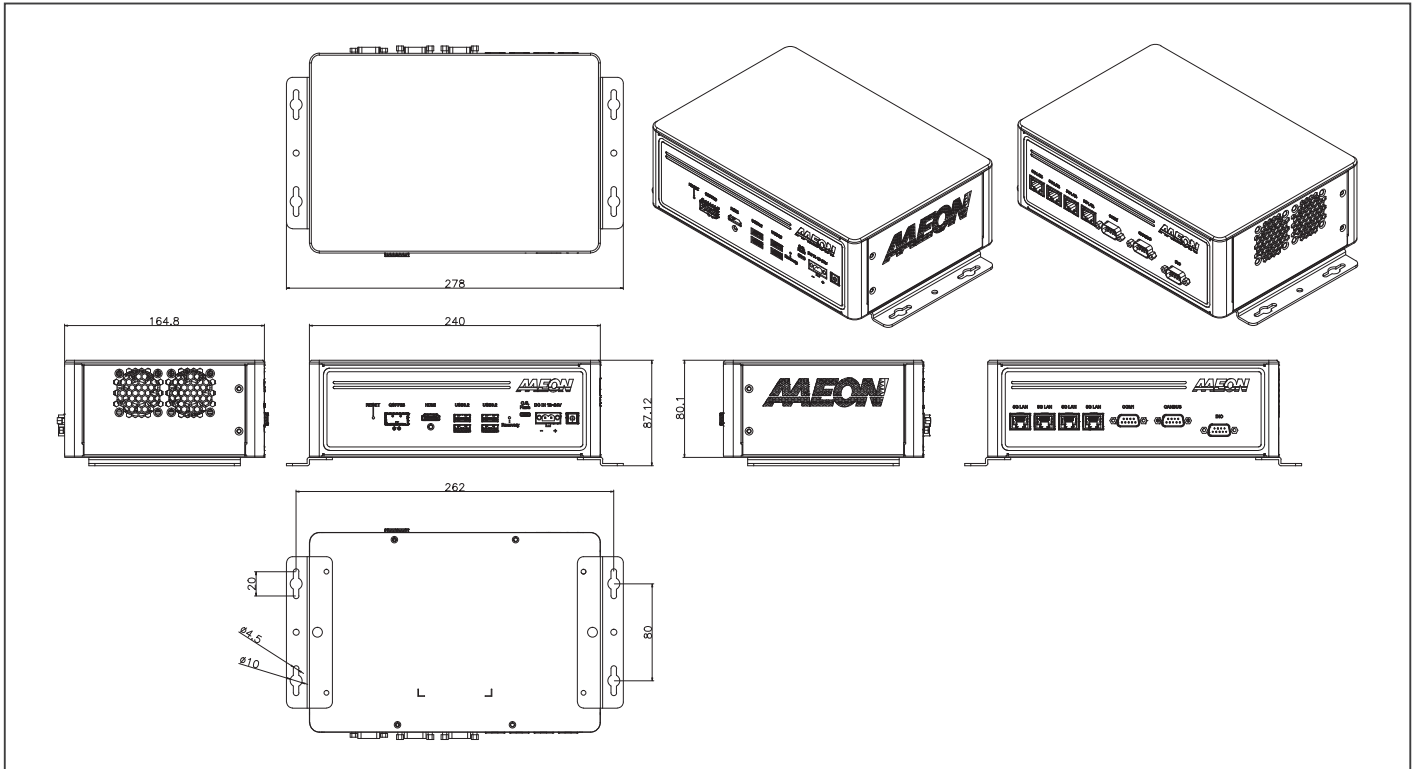
## Specifications

| System                 |   |
|------------------------|---|
| AI Accelerator         | NVIDIA® Jetson T5000™<br>(2560-core NVIDIA Blackwell architecture GPU with fifth-gen Tensor Cores)  |
| CPU                    | 14-core Arm® Neoverse®-V3AE 64-bit CPU  |
| System Memory          | 128GB 256-bit LPDDR5X   |
| Storage Device         | M.2 2280 M-Key x 1  |
| Display Interface      | HDMI 1.4a x 1   |
| Ethernet               | QSFP28 x 1 for 4 x 25GbE (4 x Independent MAC, aggregate up to 100Gbps)<br>RJ-45 x 4 for 5GbE   |
| I/O                    | DB-9 x 1 for CAN FD x 2<br>DB-9 x 1 for RS-232/485 x 1<br>DB-9 x 1 for GPIO 8-bit<br>USB 3.2 Gen 2 (Type-A) x 4<br>Micro USB x 1 for OS Flash<br>Reset Button x 1 |
| Expansion              | M.2 2280 M-Key x 1 for NVMe<br>M.2 3052 B-Key x 1 for 4G/5G/LTE<br>M.2 2230 E-Key x 1 for WiFi/BT   |
| Indicator              | System LED x 1  |
| OS Support             | NVIDIA JetPack™ 7.0 and above   |
| Power Supply           |   |
| Power Requirement      | 2-pin Terminal Block x 1 for 12~24Vdc Power Input (pitch 5mm)   |
| Mechanical             |   |
| Mounting               | Wallmount   |
| Dimensions (W x D x H) | 9.4" x 6.4" x 3.1" (240mm x 164.8mm x 80.1mm)   |
| Gross Weight           | TBD   |
| Net Weight             | TBD   |
| Environmental          |   |
| Operating Temperature  | -13°F~140°F (-25°C~60°C) according to IEC68-2-14<br>with 0.7 m/s AirFlow  |
| Storage Temperature    | -40°F~185°F (-40°C~85°C)  |
| Storage Humidity       | 5 ~ 95% @ 40C, non-condensing   |
| Anti-Vibration         | MIL-STD-810H  |
| Anti-Shock             | MIL-STD-810H  |
| Certification          | FCC/CE Class A  |



## Dimension

Unit: mm



## Ordering Information

- TBD

## Optional Accessories

- TBD

## Packing List

- TBD