

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

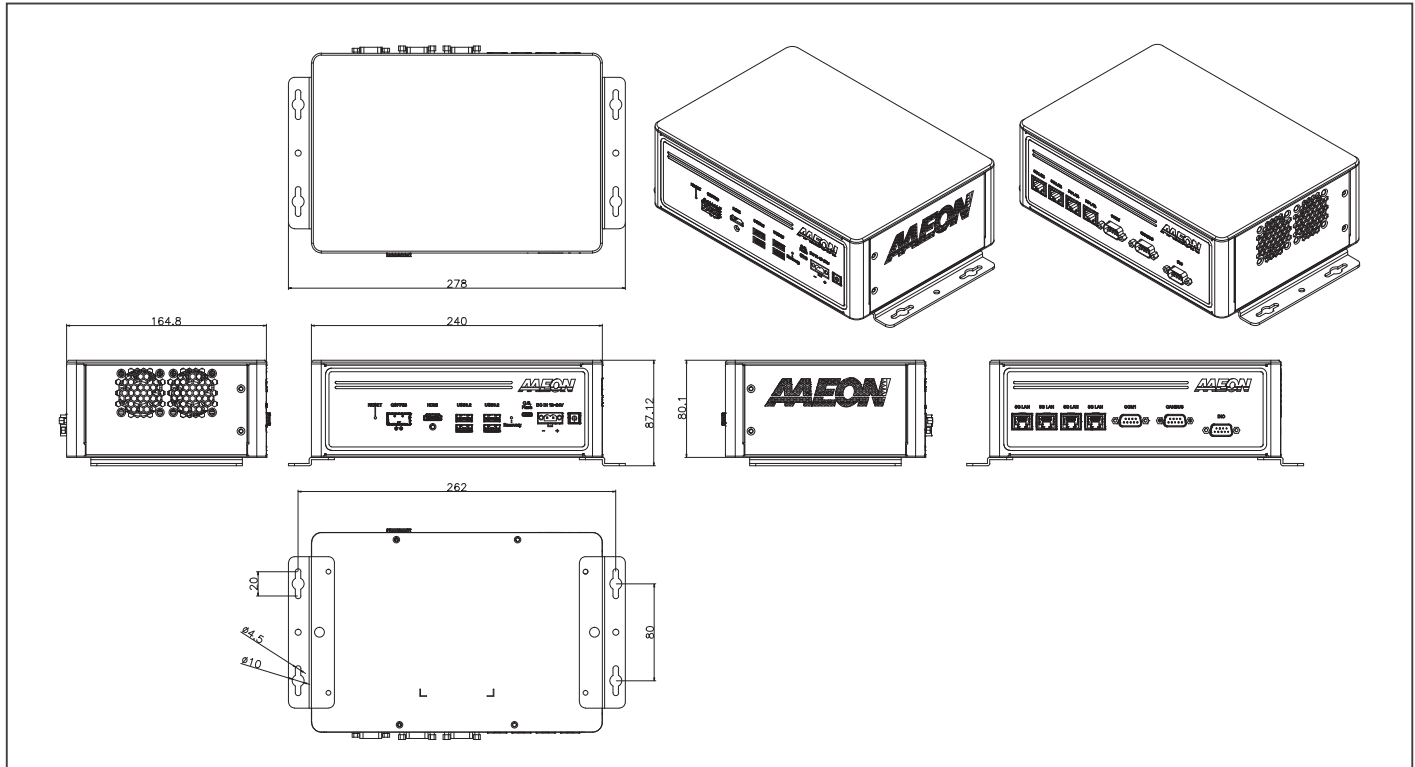
System	
AI Accelerator	NVIDIA® Jetson T5000™ (2560-core NVIDIA Blackwell architecture GPU with fifth-gen Tensor Cores)
CPU	14-core Arm® Neoverse®-V3AE 64-bit CPU
System Memory	128GB 256-bit LPDDR5X
Storage Device	M.2 2280 M-Key x 1
Display Interface	HDMI 1.4a x 1
Ethernet	QSFP28 x 1 for 4 x 25GbE (4 x Independent MAC, aggregate up to 100Gbps) RJ-45 x 4 for 5GbE
I/O	DB-9 x 1 for CAN FD x 2 DB-9 x 1 for RS-232/485 x 1 DB-9 x 1 for GPIO 8-bit USB 3.2 Gen 2 (Type-A) x 4 Micro USB x 1 for OS Flash Reset Button x 1
Expansion	M.2 2280 M-Key x 1 for NVMe M.2 3052 B-Key x 1 for 4G/5G/LTE 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 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