

BOXER-8742AI PRELIMINARY

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

Front View



Rear View



Features

- NVIDIA® Jetson T4000™
- 5GbE LAN x 1
- 1GbE LAN x 4 with PoE/PSE 802.3af (Max. 60W)
- RS-232/422/485, CAN FD, DIO/GPIO
- M.2 expansion for 5G, Wi-Fi, and NVMe SSD
- -25°C - 60°C Operating Temperature



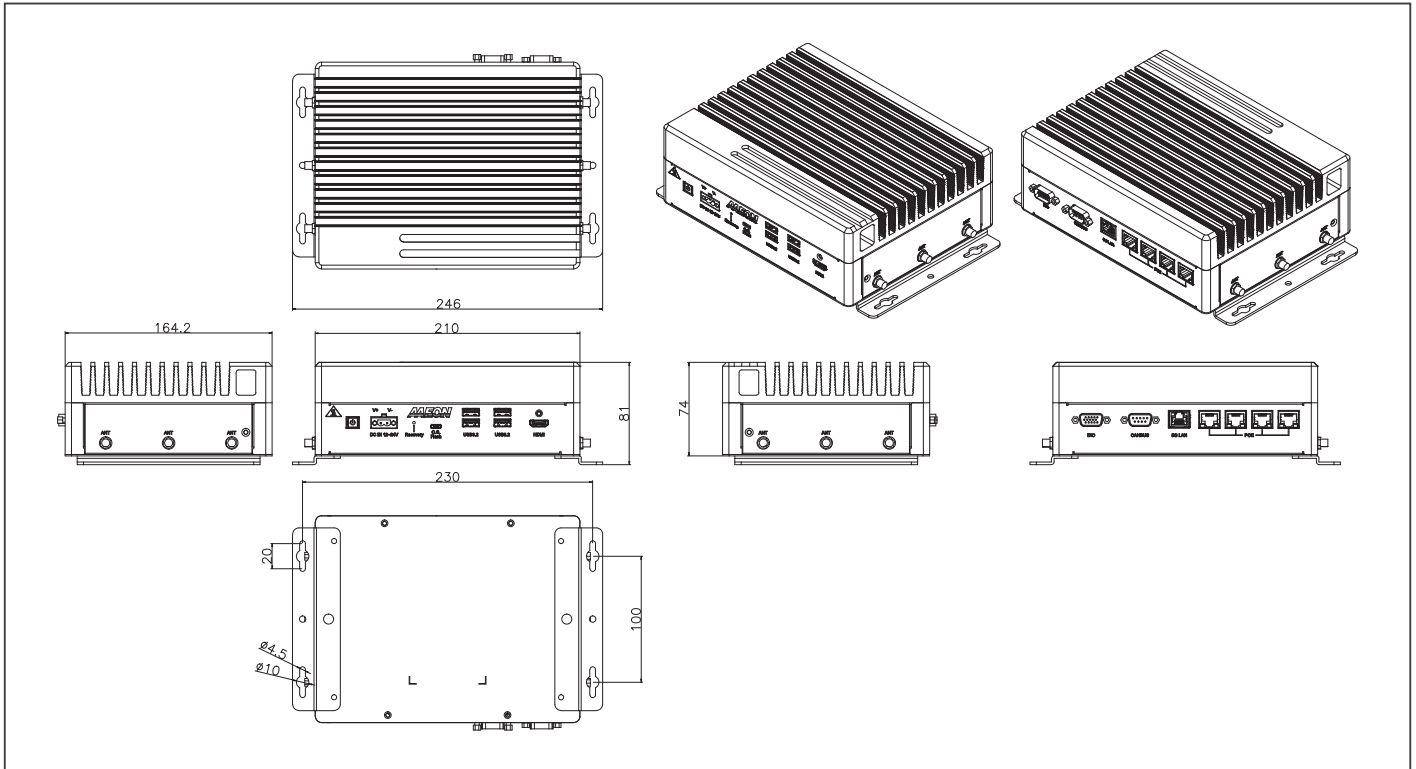
Specifications

System	
AI Accelerator	NVIDIA® Jetson T4000™
CPU	12-core Arm® Neoverse®-V3AE 64-bit CPU
GPU	1536-core NVIDIA Blackwell architecture GPU with 64 fifth-gen Tensor Cores
System Memory	64 GB 256-bit LPDDR5X
Storage Device	M.2 2280 M-Key x 1 for NVMe
Display Interface	HDMI 2.0 x 1
Ethernet	RJ-45 x 1 for 5GbE LAN RJ-45 x 4 for 1GbE LAN with PoE 802.3af/at, Max: 60W
I/O	USB 3.2 Gen 2 (Type-A) x 4 DB-15 x 1 for RS-232/422/485 & DIO x 8 DB-9 x 1 for RS-232 & CAN FD x 2 Mini USB x 1 for OS Flash Recovery Button x 1 Reset Button x 1 Power Button x 1 External SMA Antenna x 6 SIM Slot x 2
Expansion	M.2 2280 M-Key x 1 for NVMe M.2 3042/3052 B-Key x 1 for 4G/5G (USB 3.0 + PCIe) M.2 2230 E-Key x 1 for WiFi/BT/NVMe
Indicator	Power LED x 1
OS Support	NVIDIA Jetpack™ 7.0 and up
Power Supply	
Power Requirement	2-pin 12V-24V DC Input Phoenix Connector
Mechanical	
Mounting	TBD
Dimensions (W x D x H)	8.26" x 6.46" x 2.91" (210mm x 164.2mm x 74mm)
Gross Weight	TBD
Net Weight	TBD
Environmental	
Operating Temperature	13°F - 140°F (-25°C ~ 60°C), according to IEC60068-2 with 0.7 m/s Airflow
Storage Temperature	-40°F - 185°F (-40°C ~ 85°C), non operation
Storage Humidity	5%~ 95% @ 40°C, non-condensing
Anti-Vibration	3.5G / 5~500Hz / operating
Anti-Shock	50G peak acceleration (11 msec.)
Certification	CE/FCC class A



Dimension

Unit: mm



Ordering Information

- TBD

Optional Accessories

- TBD

Packing List

- TBD