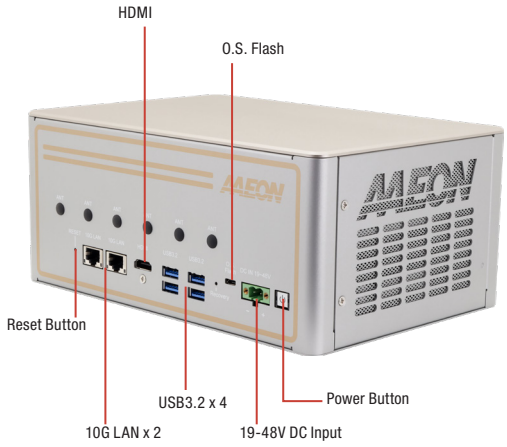
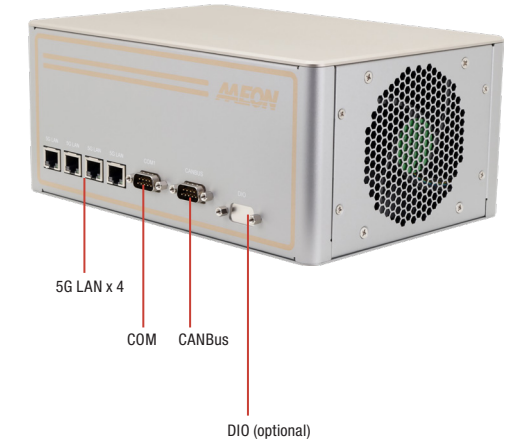
BOXER-8741AI

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

Front View



Rear View



Features

- **NVIDIA® Jetson T5000™, up to 2070 FP4 TFLOPS**
- **10GbE LAN x 2**
- **5GbE LAN x 4**
- **CAN FD x 2,RS-232(GND/Tx/Rx/CTS/RTS)/RS-485, GPIO 8-bit**
- **M.2 Expansion for NVMe, 4G/5G LTE, Wi-Fi 5/6/BT**
- **19V – 48V Power Input**
- **-20°C – 60°C Operating Temperature**

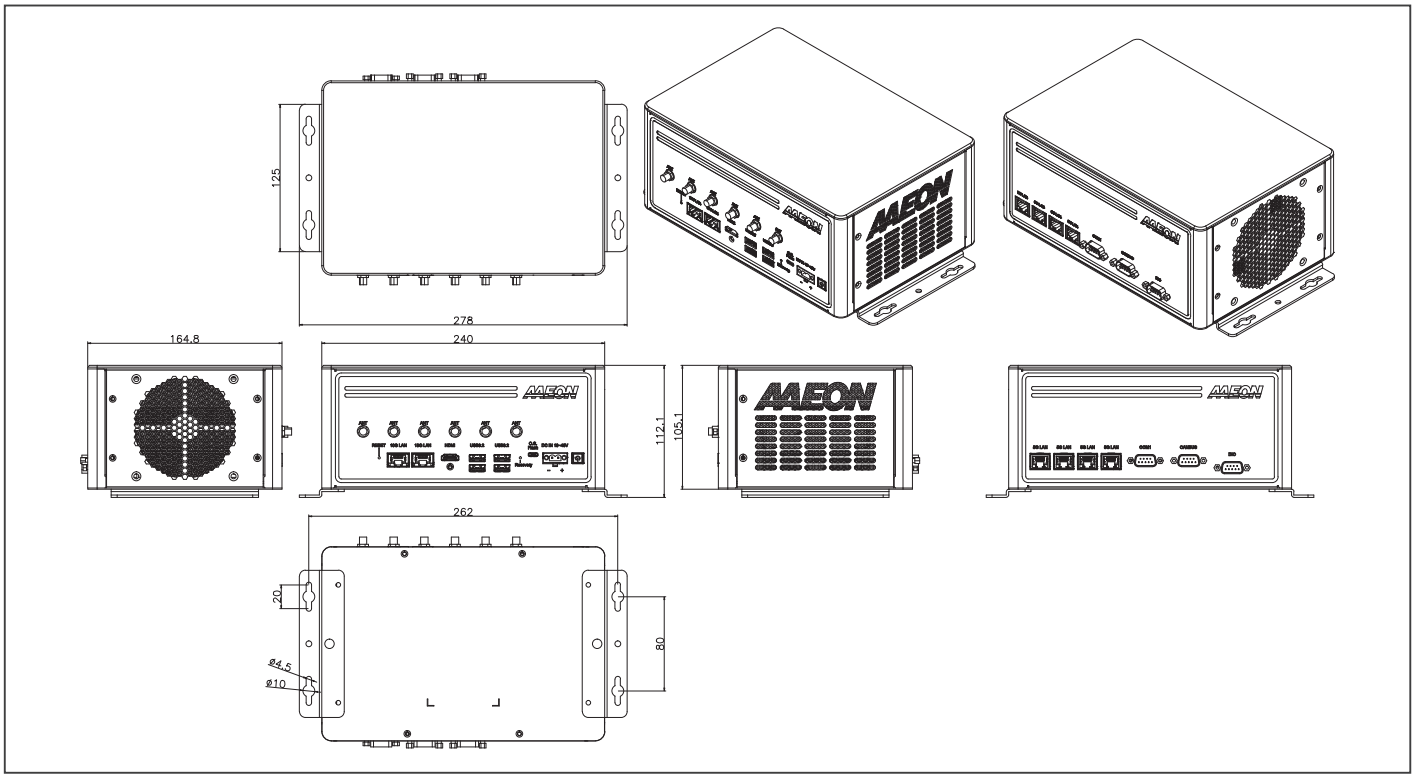
Specifications

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 for NVMe
Display Interface	HDMI 1.4a x 1
Ethernet	RJ-45 x 2 for 10 GbE RJ-45 x 4 for 5 GbE
I/O	DB-9 x 1 for CAN FD x 2 DB-9 x 1 for RS-232 x 1/ RS-485 x 1 DB-9 x 1 for 8 x GPIO (optional) USB 3.2 Gen 2 (Type-A) x 4 HDMI 1.4a x 1, up to 3840 x 2160 @30Hz Mini-USB x 1 for OS Flash Reset button x 1 2-pin Terminal Block x 1 for 19V - 48V power input (pitch 5mm) Antenna hole x 6
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 Nano SIM Socket x 1 (Hinge Type)
Indicator	System LED x 1
OS Support	NVIDIA JetPack™ 7.1 or later
Power Supply	
Power Requirement	2-pin Terminal Block x 1 for 19V – 48V Power Input (pitch 5mm)
Mechanical	
Mounting	Wall Mount
Dimensions (W x D x H)	9.45" x 6.49" x 4.14" (240mm x 164.8mm x 105.1mm)
Gross Weight	10.3 lb (4.7 kg)
Net Weight	7.7 lb (3.5 kg)
Environmental	
Operating Temperature	-4°F – 140°F (-20°C – 60°C)
Storage Temperature	-40°F – 185°F (-40°C – 85°C)
Storage Humidity	5%~ 95% @ 40°C, non-condensing, non-operation
Anti-Vibration	1 Grms, 5~500Hz
Anti-Shock	10G peak acceleration
Certification	CE/FCC class A

Note: All specifications are subject to change without notice.

Dimension

Unit: mm



Ordering Information

PART NUMBER	AI SOLUTION	LAN	USB	RS-232/422/485	CANBUS	STORAGE	DISPLAY	MOUNTING	POWER	OPERATION SYSTEM
BOXER-8741AI-JP710N-A1-1010	NVIDIA® Jetson T5000™	6	3.2 Gen 2 x 4	1	1	M.2 2280 M-Key x 1 for Storage (Default: 128GB)	HDMI x 1	Wall mount	19 ~ 48VDC w/ 2 pin terminal block	Linux (NVIDIA Jetpack™ 7.1.0 or above)

Packing List

- **BOXER-8741AI x 1**
- **Wallmount Bracket x 2**
- **Screw Package x 1**

Optional Accessories

- **1255X00134**
  240W Power Adapter
- **170X000799**
  Power Cord (US type)
- **170X001024**
  Power Cord (European Type)
- **170X000803**
  Power Cord (Japanese Type)