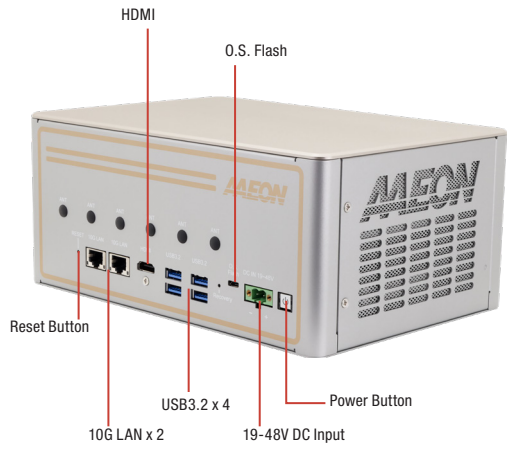
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BOXER-8741AI

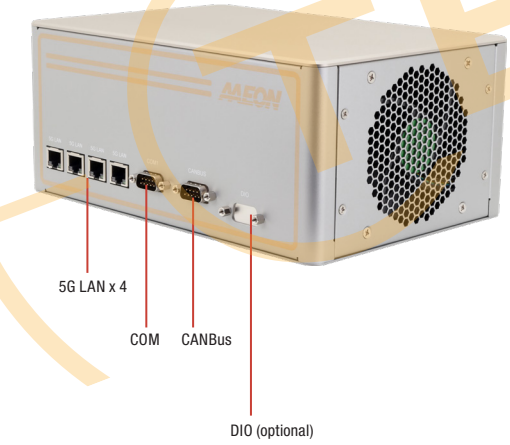
AI@Edge Embedded Box PC Powered by NVIDIA® Jetson Thor™

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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

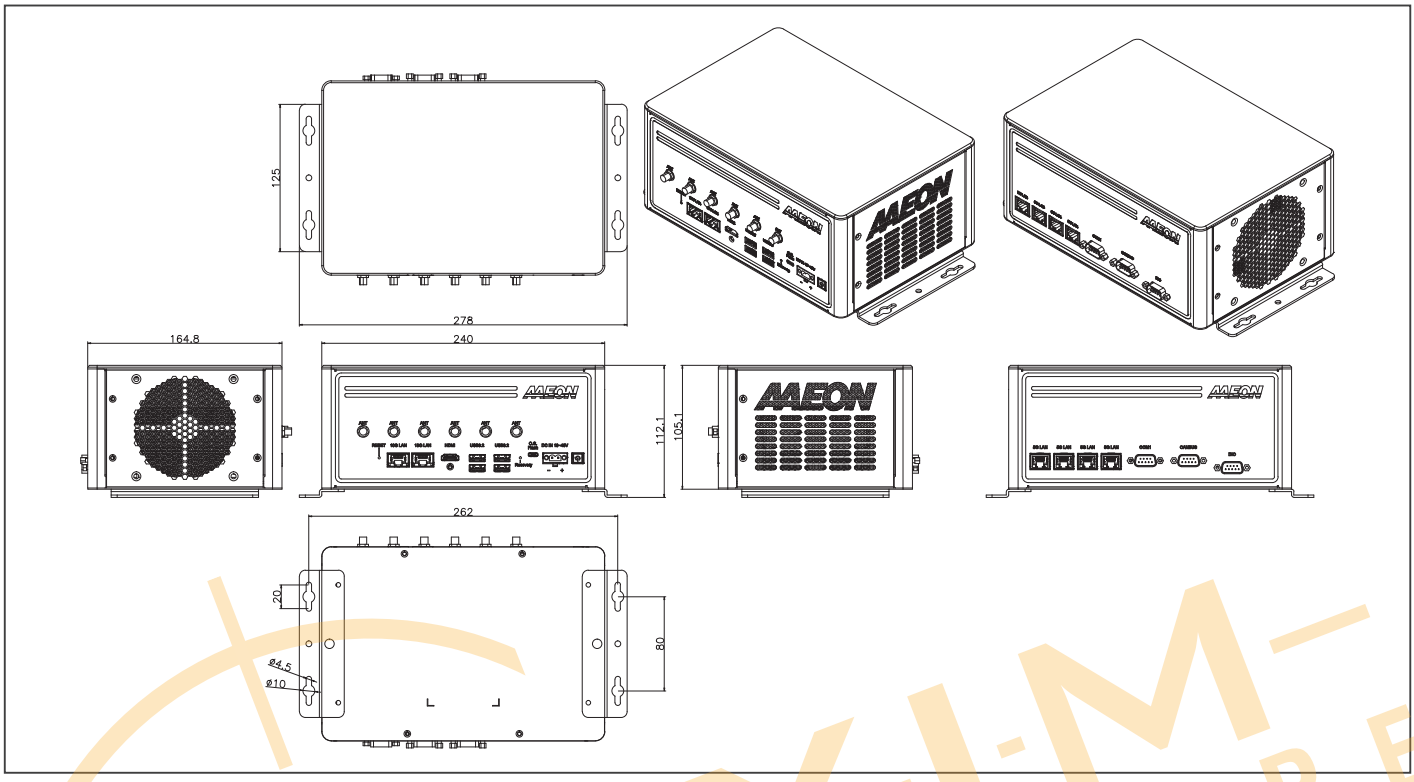
System	
AI Accelerator	NVIDIA® Jetson T5000™ 2560-core NVIDIA Blackwell architecture GPU with fifth-gen Tensor Cores
CPU	14-core Arm® Neoverse®-V3AE 64-bit CPU
System Memory	128GB 256-bit LPDDR5X
Storage Device	M.2 2280 M-Key x 1 for NVMe
Display Interface	HDMI 1.4a x 1
Ethernet	RJ-45 x 2 for 10 GbE 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.

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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)

Disclaimer

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Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

All operating parameters, including typical parameters, must be validated for each customer application by the customer’s technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.

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