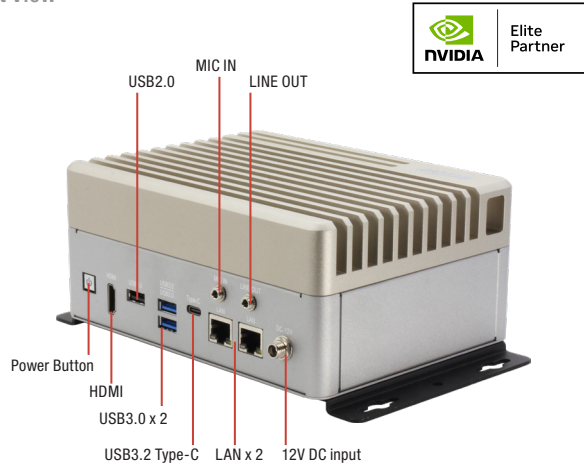




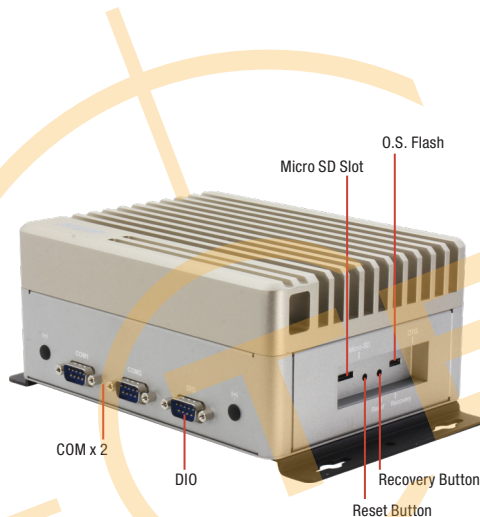
BOXER-8641AI

AI@Edge Compact Fanless Embedded AI System with NVIDIA® Jetson AGX Orin™

Front View



Rear View



Features

- NVIDIA® Jetson AGX Orin™
- Multi-storage option: 64GB eMMC / MicroSD slot / 2.5" SATA drive bay/ M.2 2280 M Key
- Support M.2 E Key / M.2 B Key / M.2 M Key
- Support GbE LAN x 2



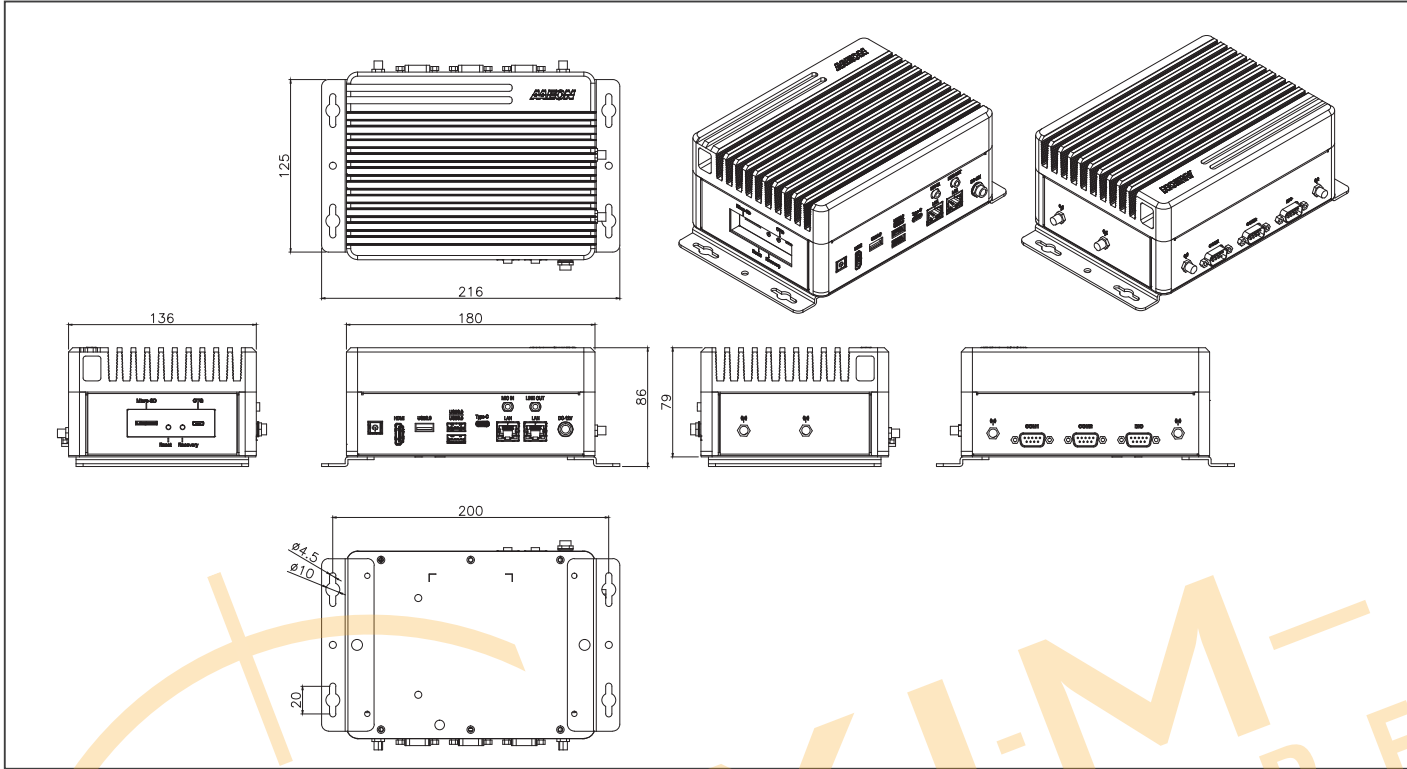
Specifications

System	
AI Accelerator	NVIDIA® Jetson AGX Orin™
CPU	AGX Orin 32GB: 8-core Arm® Cortex®-A78AE CPU AGX Orin 64GB: 12-core Arm® Cortex®-A78AE CPU
System Memory	32GB LPDDR5 64GB LPDDR5
Storage Device	64GB eMMC 5.1 x 1 MicroSD slot x 1 SATA drive bay x 1
Display Interface	HDMI Type A for HDMI 2.0 x 1
Ethernet	RJ-45 for GbE LAN x 2
I/O	USB Type A for USB 3.2 Gen 2 x 2 USB Type C for USB 3.2 Gen 2 x 1 USB Type A for USB 2.0 x 1 Micro USB x 1 for OS Flash Mic in and Line out x1 Reset Button x 1 Recovery Button x 1 MicroSD card slot x 1 Antenna opening x 4 Power Button x 1 DB-9 x 2 for RS-232/422/485 DB-9 x 1 for DIO x 8
Expansion	M.2 E-Key 2230 (for Wifi/BT) x 1 M.2 B-Key 3052 x 1 M.2 M-Key 2280 (NVMe) x 1 2.5" SATA drive bay SIM Slot x 1
Indicator	Power LED x 1
OS Support	Linux (NVIDIA Jetpack 5.0 or above)
Power Supply	
Power Requirement	12V DC with lockable DC Jack
Mechanical	
Mounting	Wall mount kit
Dimensions (W x D x H)	7.09 " x 5.35 " x 3.11" (180.0 mm x 136 .0 mm x 79.1 mm)
Gross Weight	7.8lb (3.55kg)
Net Weight	5.5lb (2.5kg)
Environmental	
Operating Temperature	-4°F ~ 131°F (-20°C ~ 55°C with 0.5 m/s airflow)
Storage Temperature	-40°F ~ 158°F (-40°C ~ 70°C)
Storage Humidity	5 ~ 95% @ 40°C, non-condensing
Anti-Vibration	3.5Grms / 5~500Hz / operation-eMMC, MicroSD or SSD
Anti-Shock	50G peak acceleration (11 msec. duration, eMMC, microSD, or SSD)
Certification	CE / FCC Class B



Dimension

Unit: mm



Ordering Information

Part Number	AI Solution	LAN	USB	RS-232/422/485	DIO	Storage	Display	Mounting	Power	Operation System
BOXER-8641AI-JP600E-A1-1010	NVIDIA® Jetson AGX Orin™ 32GB	2	3.2 Gen 2 x 3 + 2.0 x 1	2	8	64GB eMMC + MicroSD + 2.5" SATA + M.2 2280 M Key	HDMI x 1	Wallmount	12V DC w/ lockable connector	NVIDIA Jetpack™ 6.0.0
BOXER-8641AI-JP600E-A2-1010	NVIDIA® Jetson AGX Orin™ 64GB	2	3.2 Gen 2 x 3 + 2.0 x 1	2	8	64GB eMMC + MicroSD + 2.5" SATA + M.2 2280 M Key	HDMI x 1	Wallmount	12V DC w/ lockable connector	NVIDIA Jetpack™ 6.0.0

Packing List

- BOXER-8641AI
- Wallmount Bracket x 2
- Screw Package x 1

Optional Accessories

- 1255X00057
84W, lockable DC jack
- 170X000799
Power Cord (US type)
- 170X000800
Power Cord (European Type)
- 170X000803
Power Cord (Japanese Type)

Disclaimer

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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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