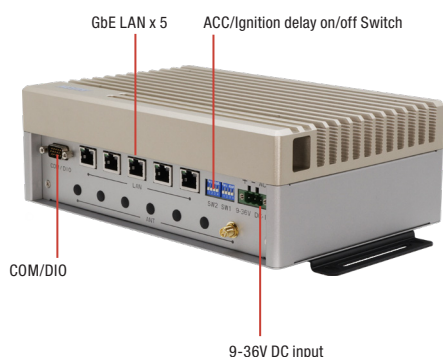


BOXER-8655AI

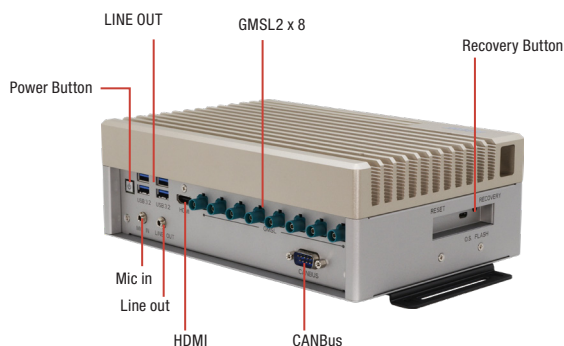
AI@Edge Fanless Embedded AI System with NVIDIA® Jetson Orin NX



Front View



Rear View



Features

- NVIDIA® Jetson Orin NX
- GMSL2 with FAKRA Connectors x 8
- Giga LAN x 5
- TPM, 9-Axis sensor and GPS
- 9V ~ 36V DC in with ACC Ignition Delay On/Off
- Military Standard Vibration and Shock
- E-Mark Certified



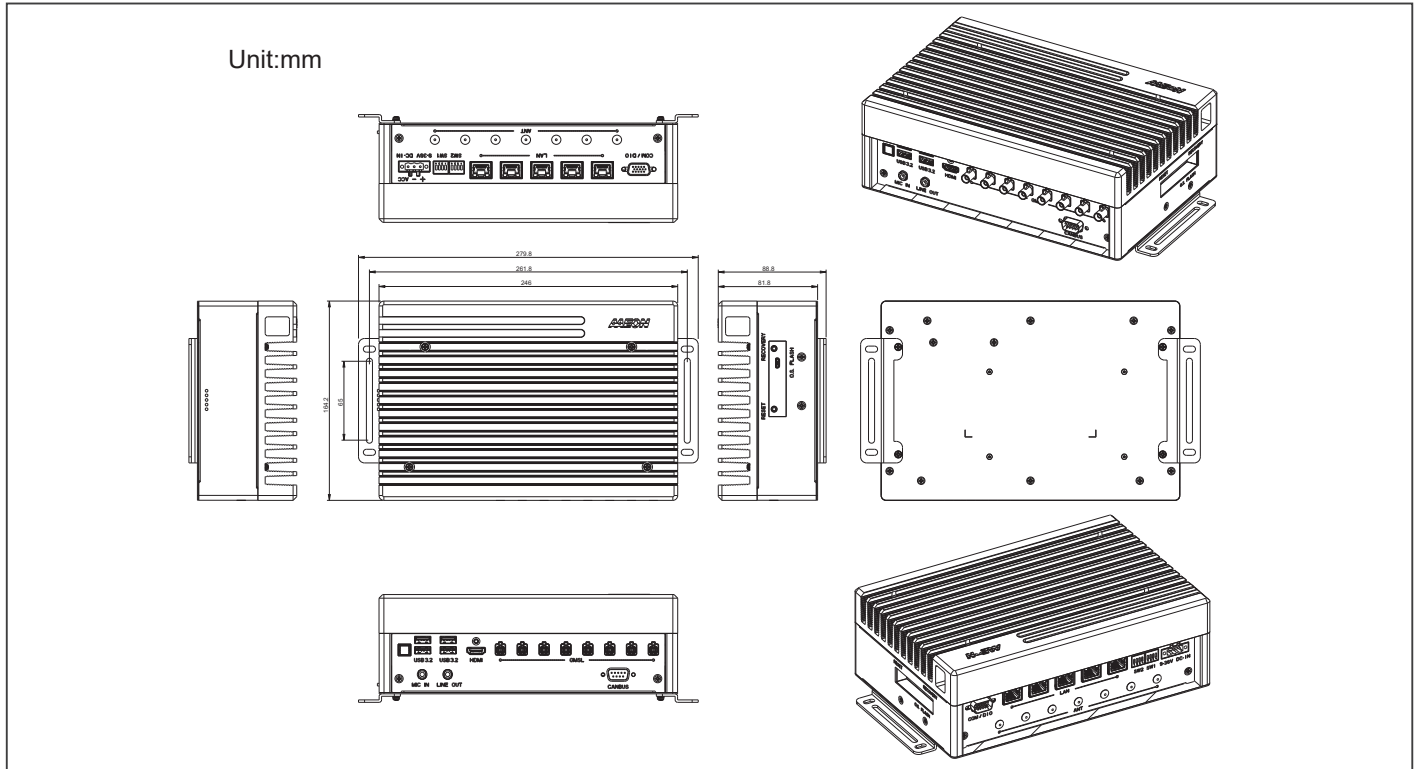
Specifications

System	
AI Accelerator	NVIDIA® Jetson Orin™ NX
CPU	Orin NX 8GB : 6-core Arm® Cortex®-A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3 Orin NX 16GB : 8-core Arm® Cortex®-A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3
System Memory	Orin NX 8GB : 8GB LPDDR5 Orin NX 16GB : 16GB LPDDR5
Storage Device	M.2 2280 M-Key x 1 (NVMe) 2.5" SATA Driver Bay x 1
Display Interface	HDMI 1.2 x 1
Ethernet	RJ-45 for GbE LAN x 5
I/O	GMSL2 x 8 with Fakra connectors DB-9 x 1 for CANBus FD DB-15 for RS232 (Rx/Tx)/RS422/RS485 x 1, programmable DIO x 8 External SMA antenna x 7 Power button x 1 Recovery button x 1 Micro USB x 1 for OS Flash Mic in and Line out x1 Reset button x1 USB Type A for USB 3.2 Gen 2 x 4
Expansion	M.2 2230 E-Key x 1 (Wifi/BT) M.2 3042/3052 B-Key x 1 (LTE/5G) (USB 2.0,USB3.0) M.2 2280 M-Key x 1 (NVMe) 2.5" SATA x 1
Indicator	Power LED
OS Support	Linux (NVIDIA JetPack™ 6.x and up)
Power Supply	
Power Requirement	3-pin Terminal Block x 1 for 9V~36V ACC Ignition Delay On/Off
Mechanical	
Mounting	Wallmount
Dimensions (W x D x H)	9.68 " x 6.46 " x 3.49" (246.0 mm x 164 .2 mm x 88.8 mm)
Gross Weight	7.9 lbs (3.6Kg)
Net Weight	6.2 lbs (2.8Kg)
Environmental	
Operating Temperature	5°F ~ 158°F (-15°C ~ 70°C with 0.7 m/s airflow)
Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Storage Humidity	5 ~ 95% @ 40°C, non-condensing
Anti-Vibration	MIL-STD-810G, 514.6C Procedure 1, Category 4 Trucker/Semitrailer on US highway (Figure 514.6C-1-Category 4-Common carrier)
Anti-Shock	MIL-STD-810G, Method 516.6, Procedure I, flight vehicle equipment
Certification	E-Mark, CE/FCC Class A



Dimension

Unit: mm



Ordering Information

Part Number	AI Solution	LAN	USB 3.2 Gen 2	COM	CANBus	Storage	Display	Mounting	Power	Operation System
BOXER-8655AI-JP600N-A1-1010	NVIDIA® Jetson Orin NX™ 8GB w/ Super Mode	5	4	1	1	M.2 2280 M-Key x 1 (Default: 128GB) 2.5" SATA Drive Bay x 1	HDMI x 1	Wallmount	9~36V	Linux (NVIDIA Jetpack™ 6.0)
BOXER-8655AI-JP600N-A2-1010	NVIDIA® Jetson Orin NX™ 16GB w/ Super Mode	5	4	1	1	M.2 2280 M-Key x 1 (Default: 128GB) 2.5" SATA Drive Bay x 1	HDMI x 1	Wallmount	9~36V	Linux (NVIDIA Jetpack™ 6.0)

Packing List

- BOXER-8655AI X 1
- Wallmount Bracket x 2
- Power connector x 1
- Screw Package x 1

Optional Accessories

- 1255302300
230W Power Adapter
- 170X000799
Power Cord (US type)
- 170X000800
Power Cord (European Type)
- 170X000803
Power Cord (Japanese Type)