

BOXER-8629AI PRELIMINARY

AI@Edge Compact Fanless Embedded IP67 AI System with NVIDIA® Jetson Orin Nano™ with Super Mode



Features

- NVIDIA® Jetson Orin Nano™ with Super Mode
- IP67 ingress protection
- GMSL2 x 4 via Mini FAKRA Connectors
- COM /CAN /DIO
- M.2 expansion for 5G, Wi-Fi, and NVMe SSD
- MIL-STD-810H vibration/shock, -20°C to 60°C



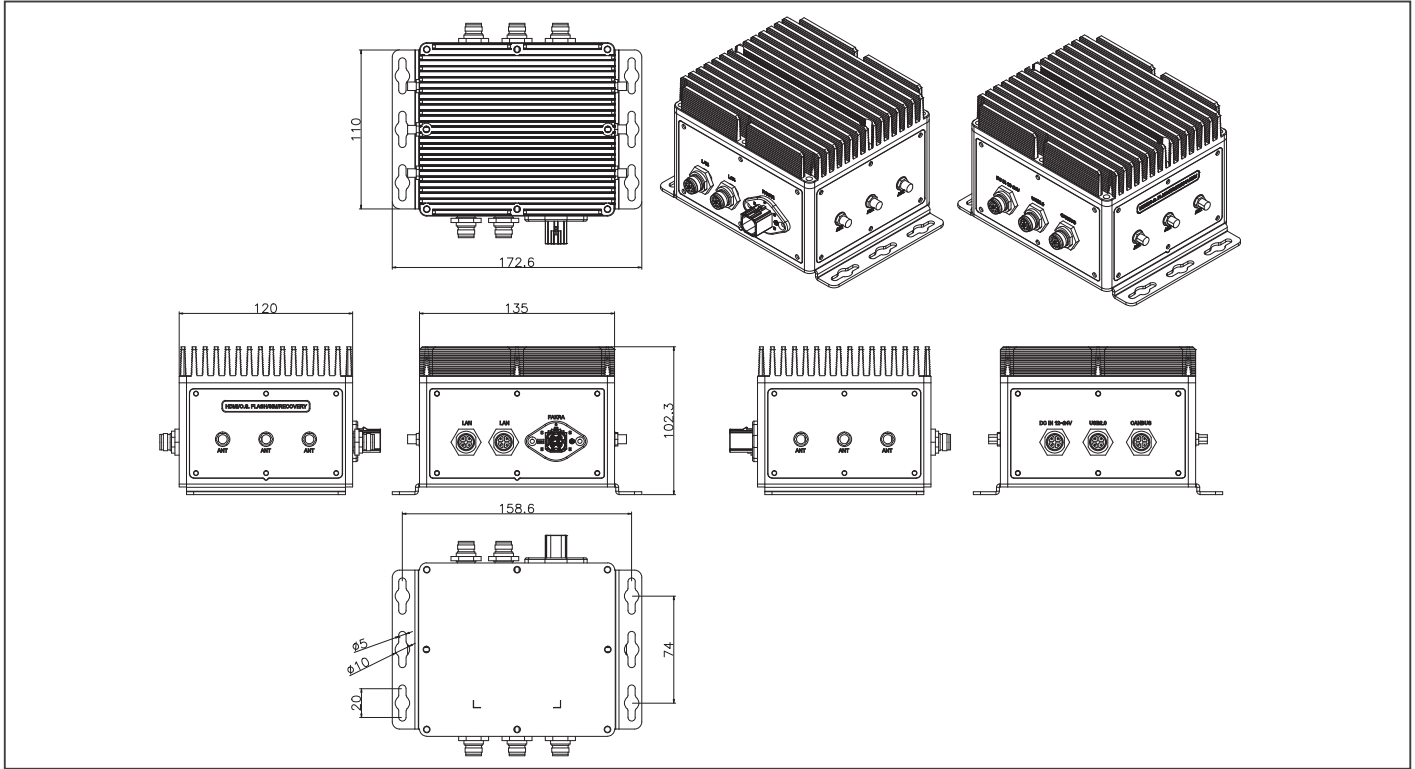
Specifications

System	
AI Accelerator	NVIDIA® Jetson Orin Nano™ with Super Mode
CPU	6-core Arm® Cortex®-A78AE v8.2 64-bit CPU
System Memory	4GB/8GB LPDDR5
Storage Device	M.2 2242 B+M-Key x 1 for NVMe
Display Interface	Mini HDMI x 1 (behind waterproof cover)
Ethernet	8-pin M12 X-code Connector x 2 for GbE LAN x 2
I/O	GMSL2 x 4 via Mini FAKRA x 1 8-pin M12 A-code Connector x 1 for USB 2.0 (Type-A) x 2 12-pin M12 A-code Connector x 1 for RS-232/485 x 1, DIO x 2, CAN FD x 1 Micro USB x 1 for OS Flash Recovery Button x 1
Expansion	M.2 2242 B+M-Key x 1 for NVMe M.2 3042/3052 B-Key x 1 for 4G/5G M.2 2230 E-Key x 1 for Wi-Fi/BT SIM Slot x 1
Indicator	—
OS Support	NVIDIA Jetpack™ 6.2.0 and up
Power Supply	
Power Requirement	M12 A-code Connector x 1 for 12V - 24V DC input
Mechanical	
Mounting	Wall mount
Dimensions (W x D x H)	5.31" x 4.72" x 4.03" (135mm x 120mm x 102.3mm)
Gross Weight	TBD
Net Weight	TBD
Environmental	
Operating Temperature	-13°F ~ 140°F (-25°C ~ 60°C)
Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C), non operation
Storage Humidity	5% ~ 95% @40°C, non-condensing, non-operation
Anti-Vibration	MIL-STD-810H
Anti-Shock	MIL-STD-810H
Certification	CE/FCC Class A



Dimension

Unit: mm



Ordering Information

- TBD

Optional Accessories

- TBD

Packing List

- TBD