BOXER-8622AI
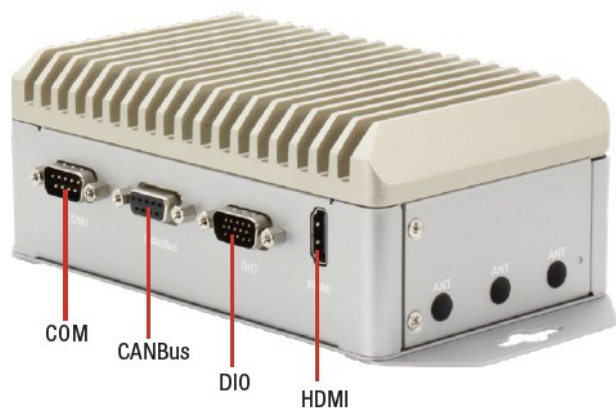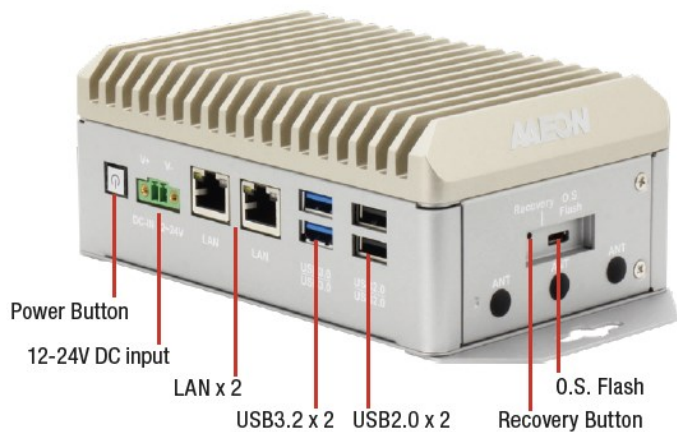
AI@Edge compact and fanless embedded PC with NVIDIA® Jetson Orin Nano™

Features

› NVIDIA® Jetson Orin Nano™ AI accelerator

› 1x 4GB LPDDR5

› Supports 1x M.2 E-Key, 1x M.2 B-Key, 1x M.2 M-Key

› Supports 1x DB-9 for CANBus

› Supports 2x GbE LAN

› Wide temperature operation (-15°C to 65°C)

Power Button
12-24V DC input
LAN x 2
USB3.2 x 2   USB2.0 x 2
O.S. Flash
Recovery Button

COM   CANBus   DIO   HDMI

Revolutionizing edge computing

Discover the cutting-edge BOXER-8622AI, a powerhouse designed to redefine the landscape of edge computing. Powered by the unmatched performance of the NVIDIA® Jetson Orin Nano™, this fanless AI system brings intelligence to the edge like never before. Whether it's in a vehicle navigating complex routes or in a bustling factory optimizing production processes, the BOXER-8622AI delivers unparalleled computing power and reliability.

Compact yet robust, the BOXER-8622AI is tailor-made for challenging environments. With its remarkable durability, it ensures seamless operation even in the most demanding conditions. Engineered with sophisticated communication protocols, including two GbE LAN and four USB ports, this system takes connectivity to the next level.

Operating flawlessly within a wide temperature range of -15°C to 65°C, the BOXER-8622AI maintains consistent performance under extreme heat or freezing conditions. Its versatility shines through with expansion options for 5G, LTE, and Wi-Fi, empowering you to stay connected and in control no matter where you are.

BOXER-8622AI

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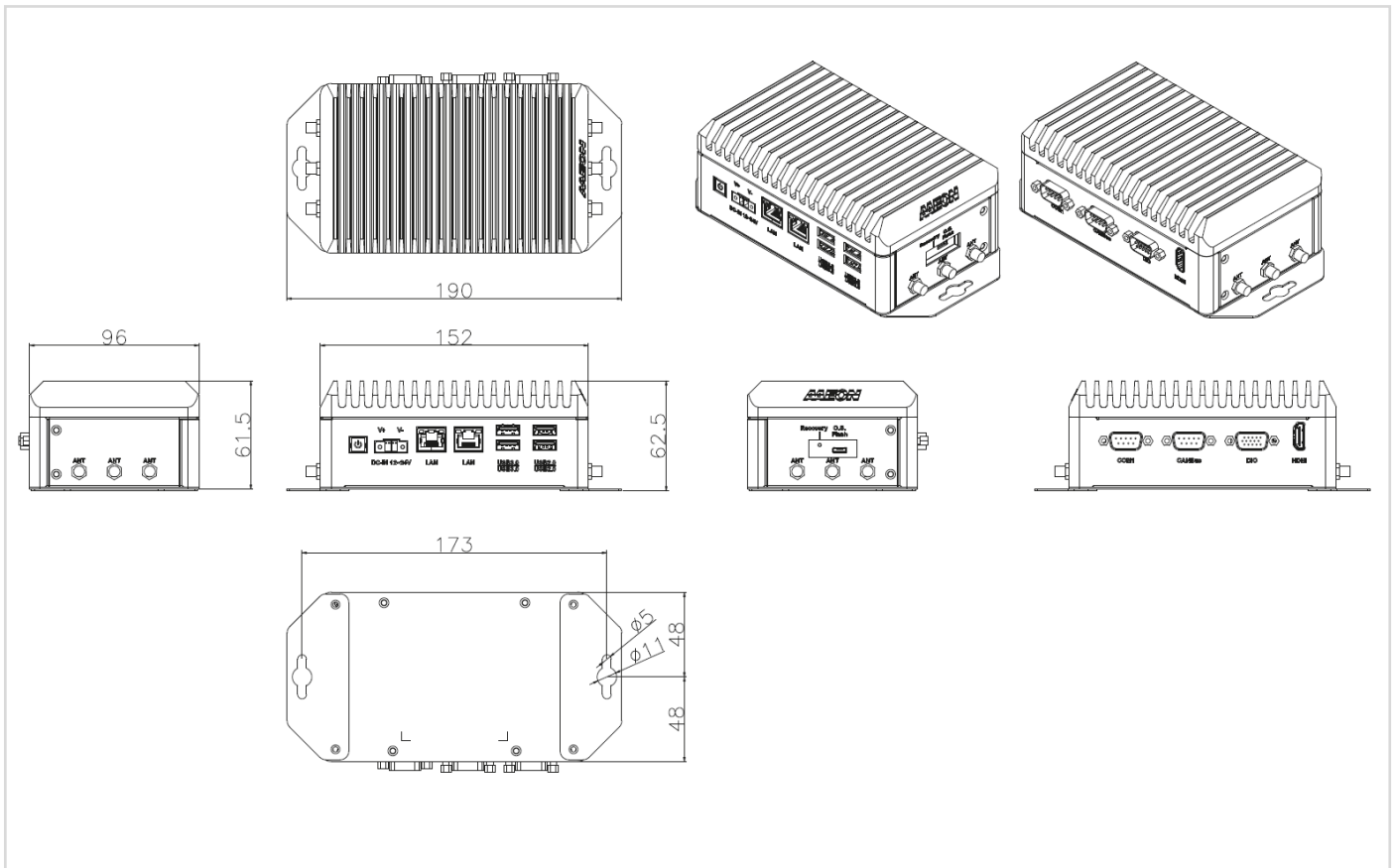| BOXER-8622AI	
SYSTEM	
Processor	6-core Arm® Cortex®-A78AE ARMv8.2 64-bit CPU
AI Accelerator	NVIDIA® Jetson Orin Nano™
Memory	4GB LPDDR5
Storage Device	1x M.2 2280 M-Key
OS support	Linux (NVIDIA Jetpack™ 5.0 up)
I/O	
Ethernet	2x RJ-45 for 10/100/1000 Base-T
USB	2x USB 3.2 Gen2 (Type-A) 2x USB 2.0 (Type-A)
Video	1x HDMI 1.4 (Type-A)
Serial port	1x DB-9 for CANbus 1x DB-9 for RS-232/422/485 1x DB-15 for 13-bit DIO
Other	1x Recovery Button 1x Power ON/OFF switch 1x Power LED 6x Antenna hole
Expansion	1x M.2 2230 E-Key (Wi-Fi/Bluetooth) 1x M.2 3042/3052 B-Key (4G/5G) 1x M.2 2280 M-Key
MECHANICAL	
DC Input	12V~24V DC in with 2-pin terminal block
Dimensions	152 mm (W) x 96 mm (D) x 61.5 mm (H)
Weight	1.8 kg (gross weight), 1.2 kg (net weight)
Mounting	Wall-mount
Operating temperature	-15°C ~ 65°C with 0.5 m/s AirFlow
Storage temperature	-40°C ~ 85°C
Humidity	5% ~ 95% @ 40˚C, non-condensing
Vibration	3.5Grm / 5~500Hz
Shock	50G peak acceleration
Certifications	CE/FCC Class A

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Apperance and dimensions (mm)

BOXER-8622AI

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Ordering information

BOXER-8622AI	
MODEL NO.	
BOXER-8622AI-JP511N-A1-1010	NVIDIA® Jetson Orin Nano™ 4GB, 2x LAN, 2x USB 3.2 Gen 2, 2x USB 2.0, 1x RS-232/422/485, 1x CANBus, 13x DIO, 1x M.2 2280 M-key for storage (default: 128GB), 1x HDMI, wall-mount, 12 ~ 24VDC w/ 2 pin terminal block , Linux (NVIDIA Jetpack™ 5.0 or above)
PACKING LIST	
BOXER-8622AI	2x Wall-mount bracket 1x Screw package 1x Power connector 1x BOXER-8622AI
OPTIONAL ACCESSORIES	
1255300611	60W power adapter
1702031802	Power Cord (US type)
1702031803	Power Cord (European Type)
170203180E	Power Cord (Japanese Type)