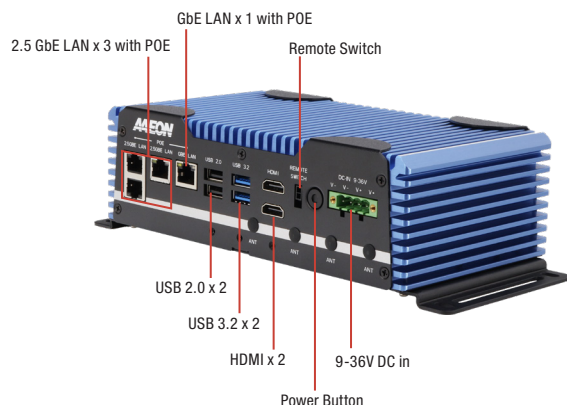


BOXER-6619-TWL PRELIMINARY

Fanless Compact Embedded Computer with Intel® Processor Core™ 3 & N Series



Front View



Rear View



Features

- Intel® Processor Core™ 3 & N Series (Formerly Twin Lake)
- DDR5 SODIMM up to 32GB
- Triple display with 1x VGA & 2x HDMI
- Support LAN x 4 with IEEE 802.3 at/af PoE (Total 80W)
- Wide Range 9~36V DC input with protection circuit
- Wide Operating Temperature -20~60°C
- Optional Out-of-Band support
- TPM 2.0 onboard



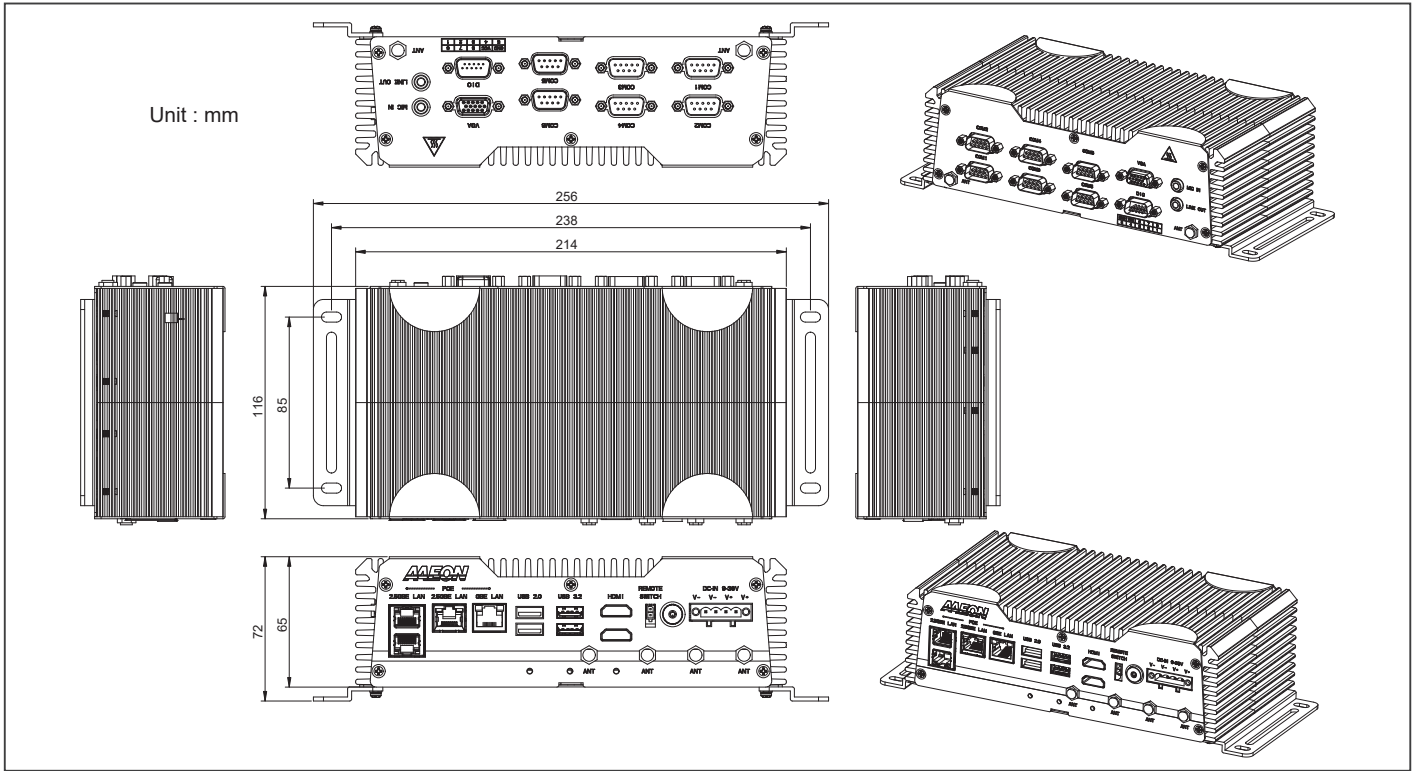
Specifications

System	
CPU	Intel® Processor Core™ 3 & N Series (formerly Twin Lake): N150 (4 cores/4 threads), TDP 6W Core™ 3 N355 (8 cores/5 threads), TDP 15W
Chipset	Intel® SoC
System Memory	DDR5 SODIMM slot x 1, up to 32GB
Display Interface	VGA x 1 (DB-15) HDMI x 2
Storage Device	Internal 2.5" SATA Drive Bay x 1
Ethernet	RJ-45 for 2.5GbE LAN x 3 (Intel® i226-LM) RJ-45 for GbE LAN x 1 (Intel® i210-IT)
I/O	IEEE 802.3 at/af PoE x 4 (total 80W, note: the system only supports total 20W PoE when input voltage is at or below 10V.) Type-A USB3.2 Gen1 x 2 Type-A USB2.0 x 2 DB-9 for RS-232/422/485 x 6 Mic in / Line out x 1 DB-15 for DIO 8bit x 1 2-pin remote power switch x 1 Power button with LED indicator x 1
Expansion	M.2 E key 2230 x 1 (PCIe [x1], USB 2.0) M.2 B Key 3052 x 1 (USB3.2) Nano SIM slot x 1
Indicator	—
OS support	Windows® 11 IoT LTSC Ubuntu 24.04 above
Power Supply	
Power Requirement	DC-in 9~36V 4-pin Terminal block connector With protection circuit
Mechanical	
Mounting	Wallmount (Optional, Din Rail mount)
Dimensions (W x H x D)	214 x 116 x 65mm (without brackets)
Gross Weight	6.2 lb (2.8 kg)
Net Weight	4.4 lb (2 kg)
Environmental	
Operating Temperature	-4°F ~140°F (-20°C ~ 60°C) with 0.7 m/s airflow (with wide temp. memory/storage)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Storage Humidity	5 ~ 95% @ 40°C, non-condensing
Anti-Vibration	With SSD: Random, 3Grms, 5~500Hz
Anti-Shock	With SSD: 50G @ wallmount, half-sine, 11ms
Certification	CE/FCC class A



Dimension

Unit: mm



Ordering Information

Part Number	CPU	PCH	LAN	USB3.0	USB2.0	RS-232/422/485	Digital I/O	Audio	Storage	Display	Expansion	Mounting	Power	Operation Temp
BOXER-6619-TWL-A1-1010	Intel® Processor N150	SoC	GbE × 1 2.5 GbE × 3 (support IEEE802.3 at/af total 80W)	2	2	6	8	Mic in Line out	2.5" SATA-III Drive Bay x1	HDMI x 2 VGA x 1	M.2 E-Key x 1 (PCIe [x1], USB 2.0) M.2 B Key x 1 (USB 3.2) Nano SIM Slot x 1	Wallmount, DIN Rail (optional)	9~36V DC in	4°F~113°F (-20°C~60°C) with 0.7 m/s airflow with wide temp.memory/storage
BOXER-6619-TWL-A2-1010	Intel® Core™ 3 Processor N355	SoC	GbE × 1 2.5 GbE × 3 (support IEEE802.3 at/af total 80W)	2	2	6	8	Mic in Line out	2.5" SATA-III Drive Bay x1	HDMI x 2 VGA x 1	M.2 E-Key x 1 (PCIe [x1], USB 2.0) M.2 B Key x 1 (USB 3.2) Nano SIM Slot x 1	Wallmount, DIN Rail (optional)	9~36V DC in	4°F~113°F (-20°C~60°C) with 0.7 m/s airflow with wide temp.memory/storage

Optional Accessories

- **1255X00112**
180W Power Adapter
- **170X000799**
Power Cord (US Type)
- **170X001024**
Power Cord (Europe)
- **170X000803**
Power Cord (Japan)

Packing List

- **BOXER-6619-TWL x 1**
- **4-pin Terminal Block conntecor x 1 (for DC input)**
- **Screw Pack x 1**
- **Wallmount Kit x 1**
- **Remote Power On/Off connector x 1**