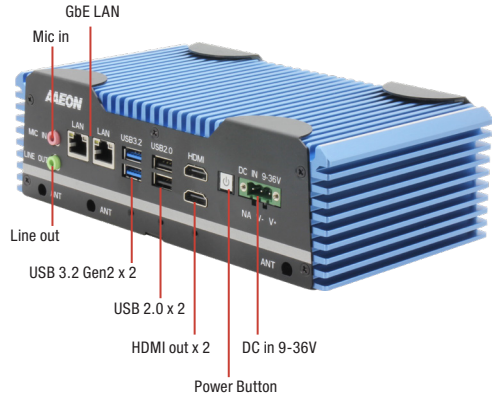
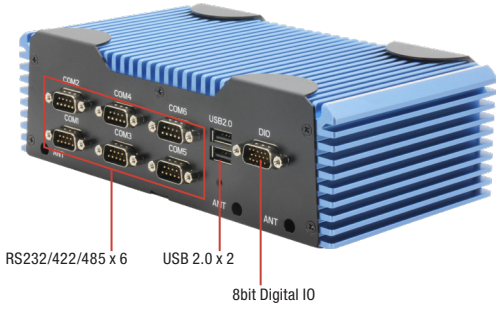
BOXER-6617-ADN

Fanless Compact Embedded Computer withIntel® Core™ i3 Processor N/Intel® Atom® Processor X/Intel® Processor N-series SoC (formerly Alder Lake-N)

Front View



Rear View



Features

- **Intel® Core™ i3 Processor N/Intel® Atom® Processor X/Intel® Processor N-series SoC (formerly Alder Lake-N)**
- **DDR5 4800MHz SODIMM x 1**
- **2.5GbE x 2**
- **M.2 2280 M-Key/M.2 2230 E-Key**
- **M.2 3052 B-Key for 5G**
- **SuperSpeed+ USB 3.2 Gen 2**
- **Onboard TPM 2.0**
- **Wide Range 9 ~ 36V DC input**
- **Super Wide Operating Temperature -20~70°C**
- **Hailo-8™ M.2 2280 AI Accelerator Module Support (Optional)**

DDR 5 | 2500 2.5Giga LAN | USB 2.0 | USB 3.0 Gen 2 | PCI Express | CE FC

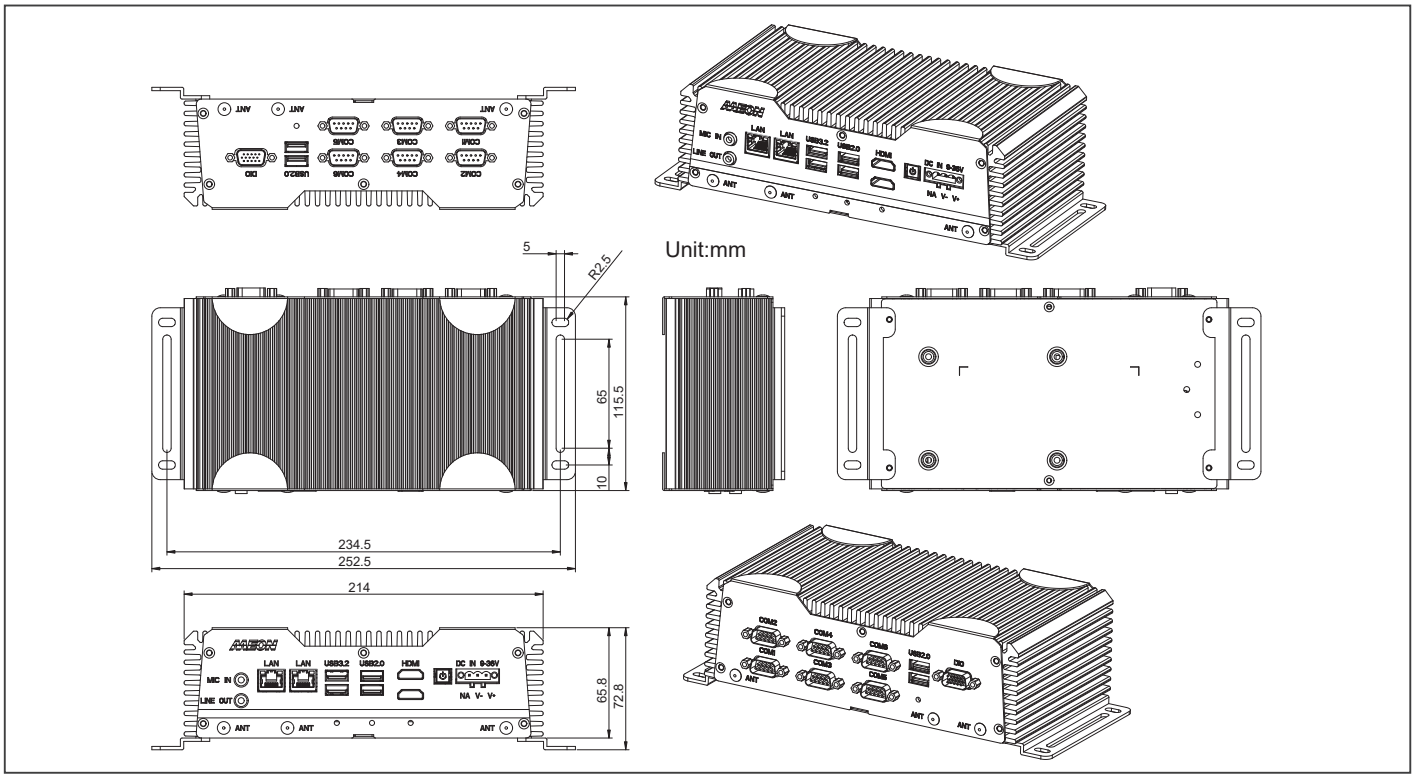
Specifications

System	
CPU	Intel® Processor N50 Intel® Processor N97 Intel® Core™ i3-N305 Intel Atom® x7211E
Chipset	Intel® SoC
System Memory	DDR5 4800MHz SODIMM x 1, up to 32GB
Display Interface	HDMI x 2
Storage Device	M.2 2280 M-Key x 1 (PCIe [x2]) 2.5" SATA HDD/SSD x 1
Ethernet	RJ-45 x 2 for 2.5GbE LAN (Intel® I226)
I/O	HDMI x 2 RJ-45 x 2 for 2.5GbE LAN (Intel® I226) USB 3.2 Gen 2 x 2 (Type-A) USB 2.0 x 4 (Type-A) DB-9 x 6 for RS-232/422/485 Mic-in/Line-out D-Sub connector for DIO 8 bit 3-Pin Terminal Block for DC In x 1 Reset Button x 1 Power Button with LED x 1
Expansion	M.2 2280 M-Key x 1 (PCIe [x2]) M.2 2230 E-Key x 1 (for Wi-Fi) M.2 3052 B-Key x 1 (for 5G/LTE) SIM Slot x 1
Indicator	Sys LED Storage active LED
OS support	Windows® 10 IoT Enterprise Windows® 11 IoT Enterprise Windows® 11 PRO Linux Ubuntu 22.04 and above
Power Supply	
Power Requirement	DC-in 9-36V x 1 for 3-Pin Terminal Block
Mechanical	
Mounting	Wallmount (default), DIN Rail (mounting clip optional)
Dimensions (W x H x D)	8.42" x 4.54" x 2.59" (214mm x 115.5mm x 65.8mm) without brackets
Gross Weight	6.17 lb (2.8Kg)
Net Weight	4.4 lb (2Kg)
Environmental	
Operating Temperature	-4°F ~ 158°F (-20°C ~ 70°C), according to IEC68-2 with 0.5 m/s AirFlow (w/ Industrial wide Temp. SSD/RAM)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Storage Humidity	5 ~ 95% @ 40°C, non-condensing
Anti-Vibration	3 Grms/ 5 ~ 500Hz/ operation (with SSD)
Anti-Shock	50G, IEC 68-2-27, half sine, 11 ms duration (with SSD)
Certification	CE/FCC Class A

Note: All specifications are subject to change without notice.

Dimension

Unit: mm



Ordering Information

Part Number	CPU	LAN	PCH	USB 3.2 Gen 2	USB 2.0	RS-232/422/485	Storage	Display	Expansion	Mounting	Power	Operation Temp.
BOXER-6617-ADN-A1-1010	Intel® Processor N50	2	Intel SoC	2	4	6	M.2 2280 M Key Slot x1 (PCIe x2) 2.5" SATA Drive Bay x 1	HDMI x2	M.2 2280 M-Key x 1 (PCIe [x2]) M.2 2230 E-Key x 1 M.2 3052 B-Key x 1 SIM Slot	Wallmount	9~36V DC in	-4°F ~ 158°F (-20°C ~ 70°C), according to IEC68-2 with 0.5 m/s AirFlow (w/ Industrial wide Temp. SSD/RAM)
BOXER-6617-ADN-A2-1010	Intel® Processor N97	2	Intel SoC	2	4	6	M.2 2280 M Key Slot x1 (PCIe x2) 2.5" SATA Drive Bay x1	HDMI x2	M.2 2280 M-Key x 1 (PCIe [x2]) M.2 2230 E-Key x 1 M.2 3052 B-Key x 1 SIM Slot	Wallmount	9~36V DC in	-4°F ~ 158°F (-20°C ~ 70°C), according to IEC68-2 with 0.5 m/s AirFlow (w/ Industrial wide Temp. SSD/RAM)
BOXER-6617-ADN-A3-1010	Intel® Core™ i3-N305	2	Intel SoC	2	4	6	M.2 2280 M Key Slot x1 (PCIe x2) 2.5" SATA Drive Bay x1	HDMI x2	M.2 2280 M-Key x 1 (PCIe [x2]) M.2 2230 E-Key x 1 M.2 3052 B-Key x 1 SIM Slot	Wallmount	9~36V DC in	-4°F ~ 158°F (-20°C ~ 70°C), according to IEC68-2 with 0.5 m/s AirFlow (w/ Industrial wide Temp. SSD/RAM)
BOXER-6617-ADN-A4-1010	Intel Atom® x7211E	2	Intel SoC	2	4	6	M.2 2280 M Key Slot x1 (PCIe x2) 2.5" SATA Drive Bay x1	HDMI x2	M.2 2280 M-Key x 1 (PCIe [x2]) M.2 2230 E-Key x 1 M.2 3052 B-Key x 1 SIM Slot	Wallmount	9~36V DC in	-4°F ~ 158°F (-20°C ~ 70°C), according to IEC68-2 with 0.5 m/s AirFlow (w/ Industrial wide Temp. SSD/RAM)

Packing List

- **Wallmount Bracket x 2**
- **Screw Package x 1**
- **3 Pin DC-In Power Connector x 1**
- **BOXER-6617-ADN**

Optional Accessories

- **1255900849**
  12V 84W Power Adapter
- **170X000799**
  Power Cord (US Type)
- **170X001024**
  Power Cord (Europe)
- **170X000803**
  Power Cord (Japan)
- **9741640404**
  Din Rail Mounting kit