

BOXER-6617-ADN

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

Front View



Rear View



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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)

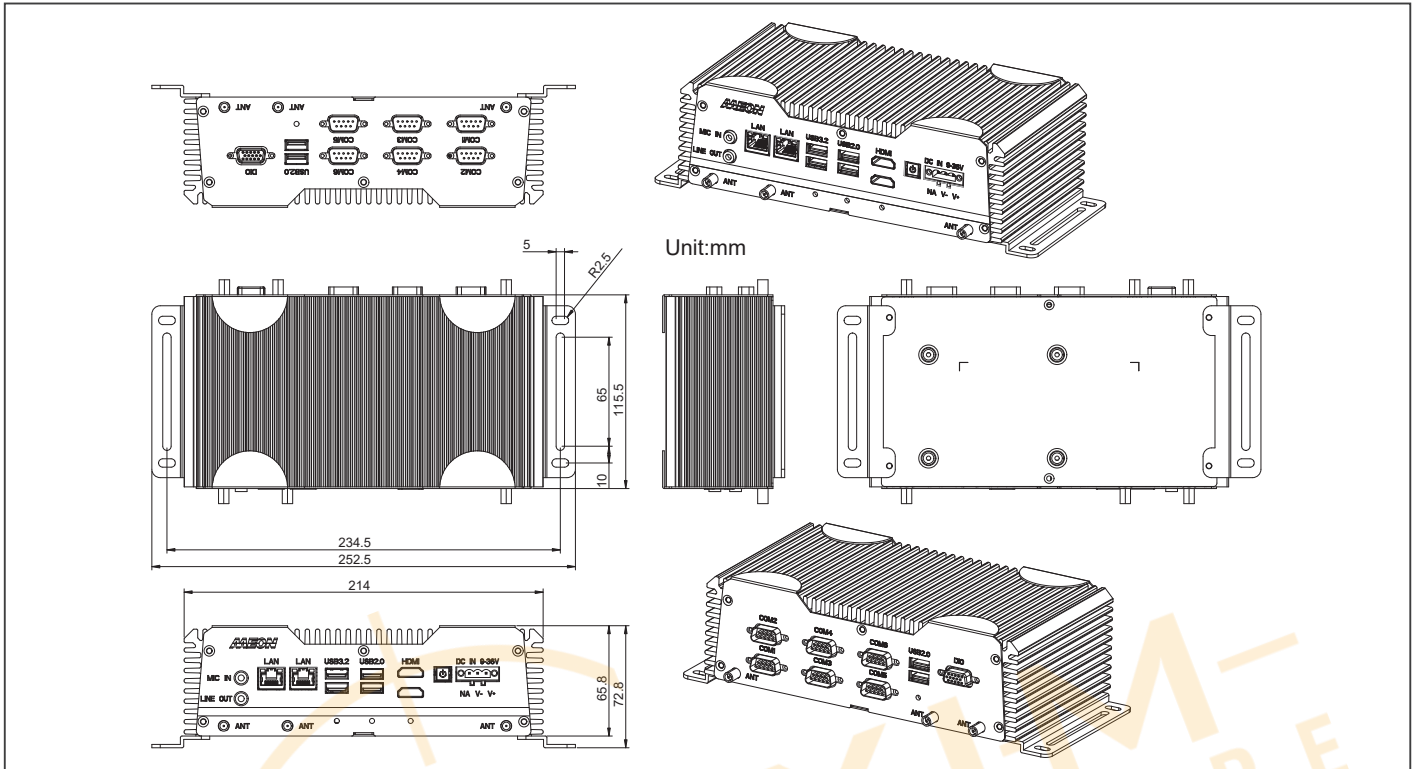


Specifications

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 10-Pin Terminal Block x 1 for Digital I/O 8-channel 3-Pin Terminal Block for DC In x 1 2-Pin Remote On/Off 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 Linux Ubuntu 22.04
Power Supply	
Power Requirement	DC-in 9-36V x 1 for 3-Pin Terminal Block
Mechanical	
Mounting	Wall Mount
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

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 x1	HDMI x2	M.2 2280 M-Key x1 (PCIe x2) M.2 2230 E-Key x1 M.2 3052 B-Key x1 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 x1 (PCIe x2) M.2 2230 E-Key x1 M.2 3052 B-Key x1 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 x1 (PCIe x2) M.2 2230 E-Key x1 M.2 3052 B-Key x1 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 x1 (PCIe x2) M.2 2230 E-Key x1 M.2 3052 B-Key x1 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)

Optional Accessories

- **1255900849**
12V 84W Power Adapter
- **1702031802**
Power Cord (US Type)
- **1702031803**
Power Cord (Europe)
- **170203180E**
Power Cord (Japan)

Packing List

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

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All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.





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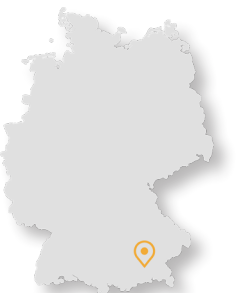
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