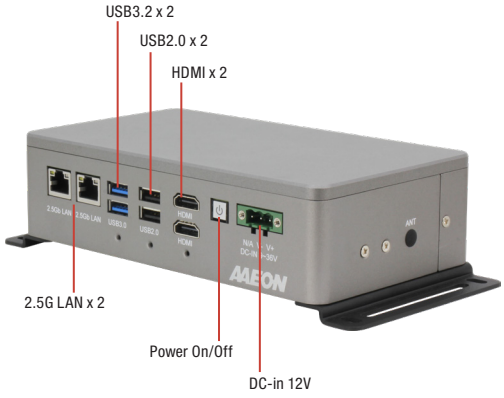
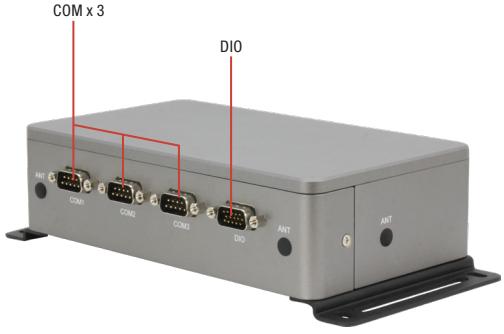
BOXER-6406-ADN

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

Front View



Rear View



Features

- **Intel Atom® Processor X-series/N-series (formerly Alder Lake-N)**
- **DDR5 4800Mhz SODIMM**
- **2.5GbE x 2**
- **M.2 2280 M-Key x 1, M.2 2230 E-Key x 1**
- **USB 3.2 Gen 2 x 2 (Type-A)**
- **Onboard TPM 2.0**
- **Wide Range 9 ~ 36V DC input**
- **Wide Operating Temperature -20 ~ 60°C**
- **Compact Size**

DDR 5 | 1000 Gigo LAN | 2.5 GbE | USB 3.2 Gen 2 | HDMI | CE | FC | UK CA

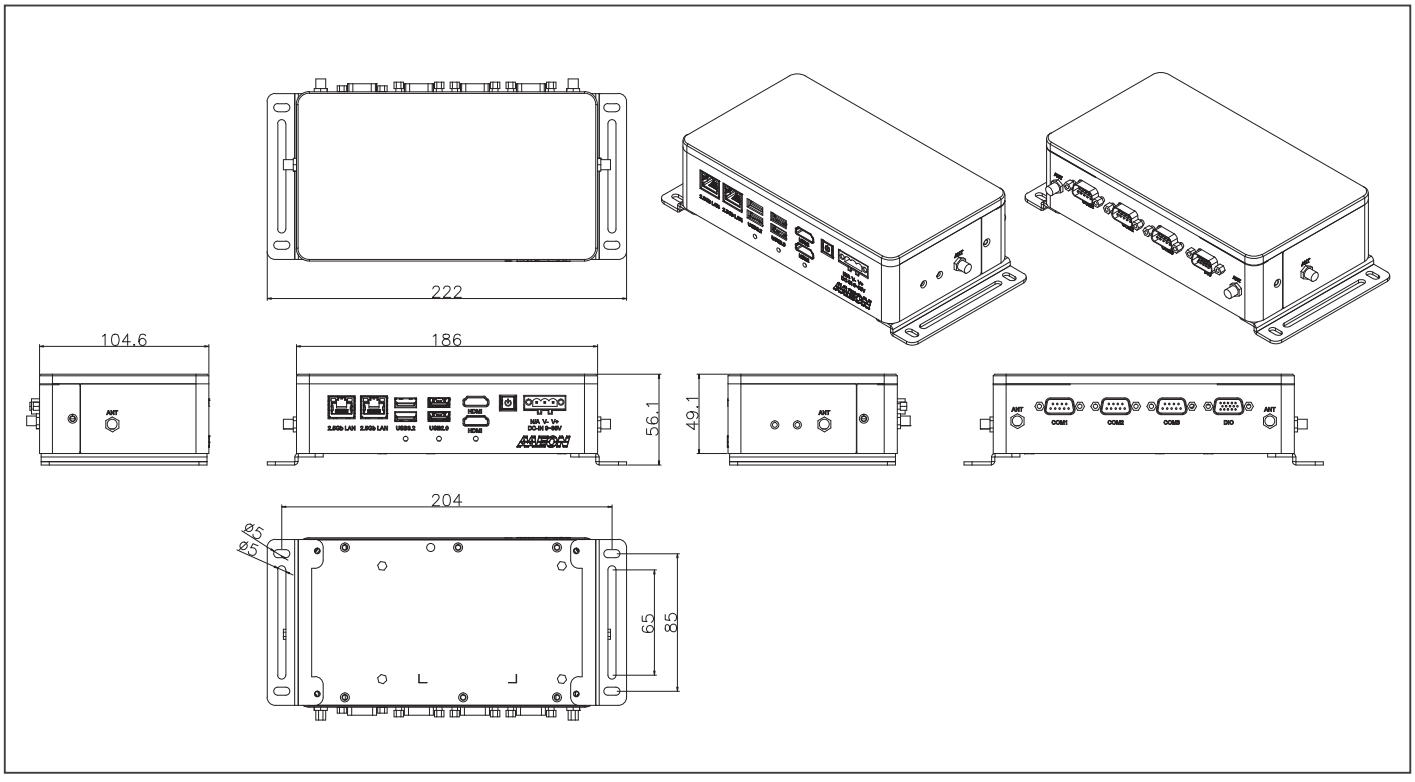
Specifications

System	
CPU	Intel® Processor N200 Intel® Processor N50 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 Gen 3 x 2) 2.5" SATA HDD/SSD x 1
Ethernet	RJ-45 x 2 for 2.5GbE LAN (Intel® I226-LM)
I/O	HDMI x 2 RJ-45 x 2 for 2.5GbE LAN (Intel® I226-LM) USB 3.2 Gen 2 x 2 (Type-A) USB 2.0 x 2 (Type-A) DB-9 x 3 for RS-232/422/485 DB-15 x 1 Male for Digital I/O 8-Channel 3-pin Terminal Block for DC In 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 Full-Size Mini Card x 1 (PCIe + USB) SIM Slot x 1
Indicator	—
OS support	Windows® 10 IoT Enterprise Windows® 11 IoT Enterprise Windows® 11 Pro Linux Ubuntu 22.04
Power Supply	
Power Requirement	9 ~ 36V DC-In x 1 for 3-pin Terminal Block
Mechanical	
Mounting	Wallmount
Dimensions (W x H x D)	7.32" x 4.12" x 1.93" (186mm x 104.6mm x 49.1mm) without bracket 8.74" x 4.12" x 2.21" (222mm x 104.6mm x 56.1mm) with bracket
Gross Weight	4.32 lb (1.96 Kg)
Net Weight	2.56 lb (1.16 Kg)
Environmental	
Operating Temperature	-4°F ~ 140°F (-20°C ~ 60°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-6406-ADN-A1-1010	Intel® Processor N200	2	Intel SoC	2	2	3	M.2 2280 M-Key x 1 (PCIe Gen 3 [x2]) 2.5" SATA Drive Bay x 1	HDMI x 2	M.2 2280 M-Key x 1 (PCIe Gen 3 [x2]) M.2 2230 E-Key x 1 Full-Size Mini Card x 1 (PCIe + USB) SIM Slot x 1	Wallmount	9~36V DC in	-4°F ~ 140°F (-20°C ~ 60°C), according to IEC68-2 with 0.5 m/s AirFlow (w/ Industrial wide Temp. SSD/RAM)
BOXER-6406-ADN-A2-1010	Intel® Processor N50	2	Intel SoC	2	2	3	M.2 2280 M-Key x 1 (PCIe Gen 3 [x2]) 2.5" SATA Drive Bay x 1	HDMI x 2	M.2 2280 M-Key x 1 (PCIe Gen 3 [x2]) M.2 2230 E-Key x 1 Full-Size Mini Card x 1 (PCIe + USB) SIM Slot x 1	Wallmount	9~36V DC in	-4°F ~ 140°F (-20°C ~ 60°C), according to IEC68-2 with 0.5 m/s AirFlow (w/ Industrial wide Temp. SSD/RAM)
BOXER-6406-ADN-A3-1010	Intel Atom® x7211E	2	Intel SoC	2	2	3	M.2 2280 M-Key x 1 (PCIe Gen 3 [x2]) 2.5" SATA Drive Bay x 1	HDMI x 2	M.2 2280 M-Key x 1 (PCIe Gen 3 [x2]) M.2 2230 E-Key x 1 Full-Size Mini Card x 1 (PCIe + USB) SIM Slot x 1	Wallmount	9~36V DC in	-4°F ~ 140°F (-20°C ~ 60°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-6406-ADN x 1**

Optional Accessories

- **1255900849**
  12V 84W Power Adapter
- **170X000799**
  Power Cord (US type)
- **170X001024**
  Power Cord (European Type)
- **170X000803**
  Power Cord (Japanese Type)
- **9741EG25G0**
  4G Module & Antenna (for global)