

BOXER-6406U-ADN

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

Front View



Rear View



Features

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

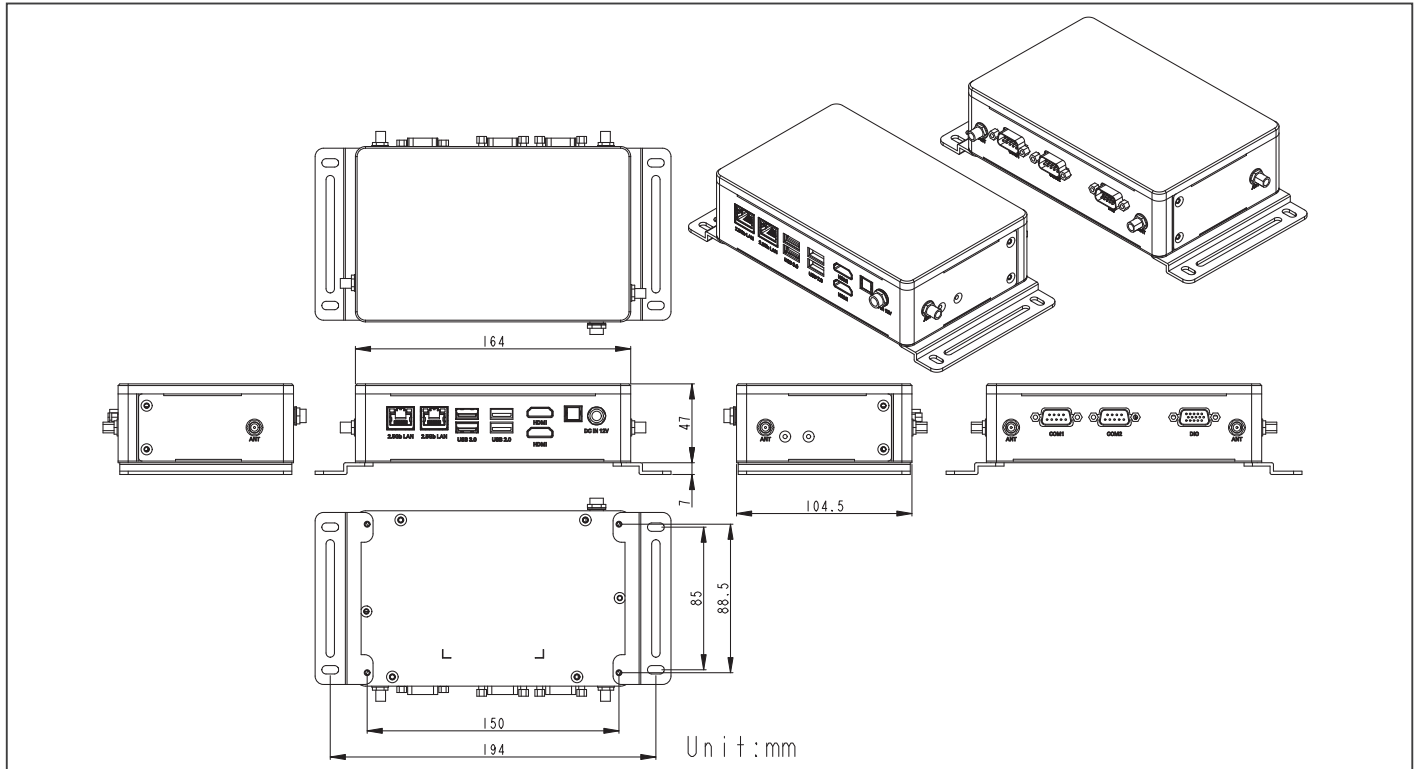


Specifications

System	
CPU	Intel® Processor N200 Intel® Processor N50 Intel Atom® x7211E Intel Atom® x7433RE Intel Atom® x7213RE Intel Atom® x7211RE
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 [x2]) 2.5" SATA HDD/SSD x 1
Ethernet	RJ-45 x 2 for 2.5GbE LAN (Intel® Ethernet Controller I226-LM)
I/O	HDMI x 2 RJ-45 x 2 for 2.5GbE LAN (Intel® Ethernet Controller I226-LM) USB 3.2 Gen 2 (Type-A) x 2 USB 2.0 (Type-A) x 2 DB-9 x 2 for RS-232/422/485 DB-15 x 1 Male for 8-Channel Digital I/O 12V DC Jack Input Power Button with LED x 1 Antenna Opening x 4
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	Power Button with LED
OS support	Windows® 10 IoT Ent LTSC Windows® 11 Pro Ubuntu 22.04
Power Supply	
Power Requirement	Lockable DC Jack x 1 for 12V DC-in
Mechanical	
Mounting	Wallmount
Dimensions (W x H x D)	6.46" x 4.11" x 1.85" (164mm x 104.5mm x 47mm) without bracket 8.74" x 4.11" x 2.13" (222mm x 104.5mm x 54mm) with bracket
Gross Weight	3.8 lb. (1.73Kg)
Net Weight	2 lb. (0.93Kg)
Environmental	
Operating Temperature	-4°F ~ 140°F (-20°C ~ 60°C), according to IEC68-2 with 0.7 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	With SSD: Random, 3 Grms, 5~500Hz
Anti-Shock	With SSD: 50 G, IEC 60068-2-27, half sine, 11 ms duration
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-6406U-ADN-A1-1010	Intel® Processor N200	2	Intel SoC	2	2	2	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	12V	-4°F ~ 140°F (-20°C ~ 60°C), according to IEC68-2 with 0.7 m/s AirFlow (w/ Industrial wide Temp. SSD/RAM)
BOXER-6406U-ADN-A2-1010	Intel® Processor N50	2	Intel SoC	2	2	2	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	12V	-4°F ~ 140°F (-20°C ~ 60°C), according to IEC68-2 with 0.7 m/s AirFlow (w/ Industrial wide Temp. SSD/RAM)
BOXER-6406U-ADN-A3-1010	Intel Atom® x7211E	2	Intel SoC	2	2	2	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	12V	-4°F ~ 140°F (-20°C ~ 60°C), according to IEC68-2 with 0.7 m/s AirFlow (w/ Industrial wide Temp. SSD/RAM)
BOXER-6406U-ASL-A1-1010	Intel Atom® x7433RE	2	Intel SoC	2	2	2	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	12V	-4°F ~ 140°F (-20°C ~ 60°C), according to IEC68-2 with 0.7 m/s AirFlow (w/ Industrial wide Temp. SSD/RAM)
BOXER-6406U-ASL-A2-1010	Intel Atom® x7213RE	2	Intel SoC	2	2	2	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	12V	-4°F ~ 140°F (-20°C ~ 60°C), according to IEC68-2 with 0.7 m/s AirFlow (w/ Industrial wide Temp. SSD/RAM)
BOXER-6406U-ASL-A3-1010	Intel Atom® x7211RE	2	Intel SoC	2	2	2	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	12V	-4°F ~ 140°F (-20°C ~ 60°C), according to IEC68-2 with 0.7 m/s AirFlow (w/ Industrial wide Temp. SSD/RAM)

Packing List

- BOXER-6406U-ADN x 1
- Wallmount Bracket x 2
- Screw Package x 1
- 60W 12V Power Adapter x 1

Optional Accessories

- 170X000799
Power Cord (US type)
- 170X000800
Power Cord (European Type)
- 170X000803
Power Cord (Japanese Type)
- 9741EG25G0
4G Module & Antenna (for global)