



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



Distributed by:


www.texim-europe.com

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



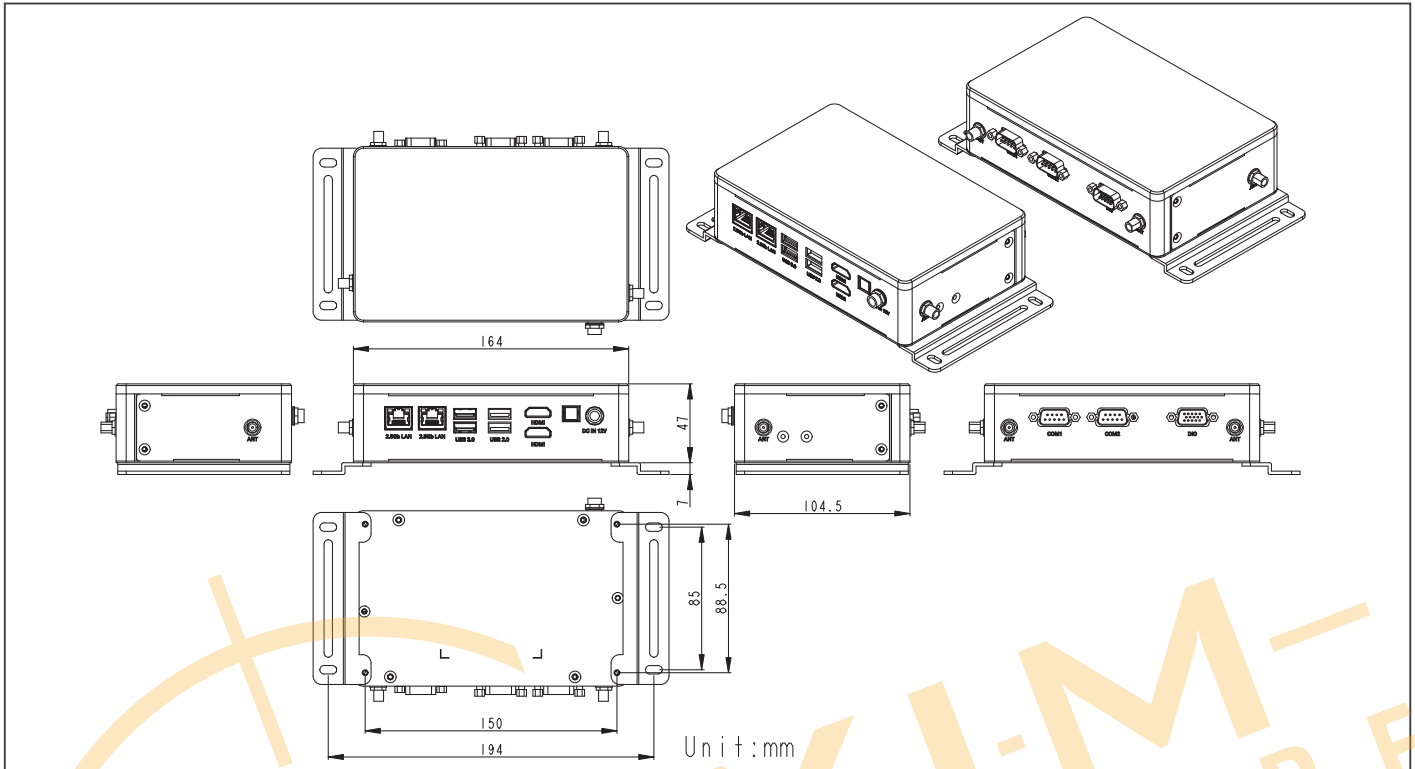
Specifications

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)

Disclaimer

ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

Texim Europe B.V. its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Texim"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Texim makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product.

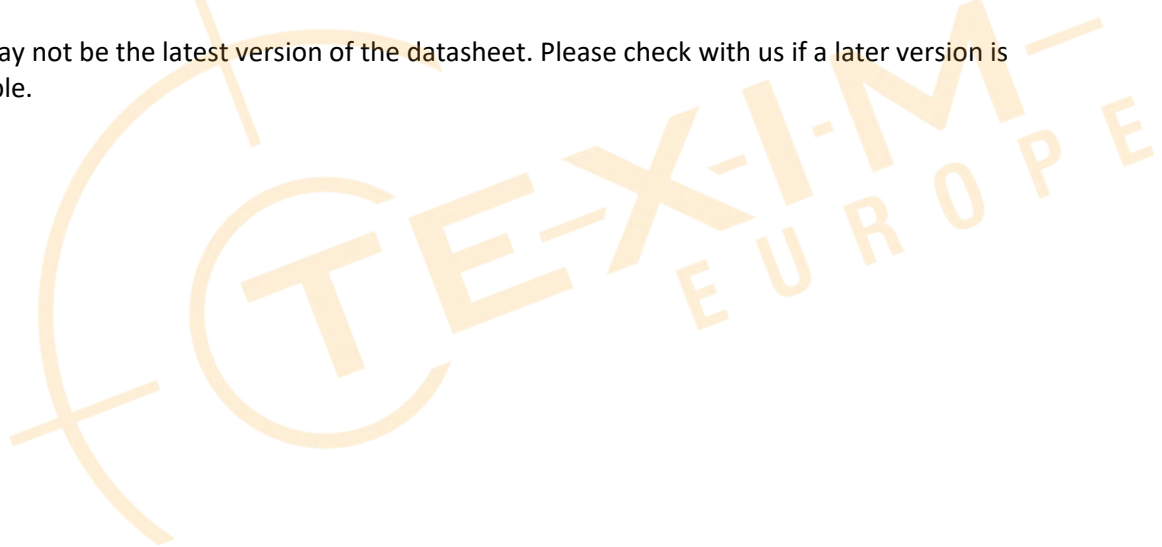
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

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.





Headquarters & Warehouse

Elektrostraat 17
 NL-7483 PG Haaksbergen
 The Netherlands

T: +31 (0)53 573 33 33
 E: info@texim-europe.com
 Homepage: www.texim-europe.com



The Netherlands

Elektrostraat 17
 NL-7483 PG Haaksbergen

T: +31 (0)53 573 33 33
 E: nl@texim-europe.com



Belgium

Zuiderlaan 14, box 10
 B-1731 Zellik

T: +32 (0)2 462 01 00
 E: belgium@texim-europe.com



UK & Ireland

St Mary's House, Church Lane
 Carlton Le Moorland
 Lincoln LN5 9HS

T: +44 (0)1522 789 555
 E: uk@texim-europe.com



Germany

Bahnhofstrasse 92
 D-25451 Quickborn

T: +49 (0)4106 627 07-0
 E: germany@texim-europe.com



Germany

Martin-Kollar-Strasse 9
 D-81829 München

T: +49 (0)89 436 086-0
 E: muenchen@texim-europe.com



Austria

Martin-Kollar-Strasse 9
 D-81829 München

T: +49 (0)89 436 086-0
 E: austria@texim-europe.com



Nordic

Stockholmsgade 45
 2100 Copenhagen

T: +45 88 20 26 30
 E: nordic@texim-europe.com



Italy

Martin-Kollar-Strasse 9
 D-81829 München

T: +49 (0)89 436 086-0
 E: italy@texim-europe.com