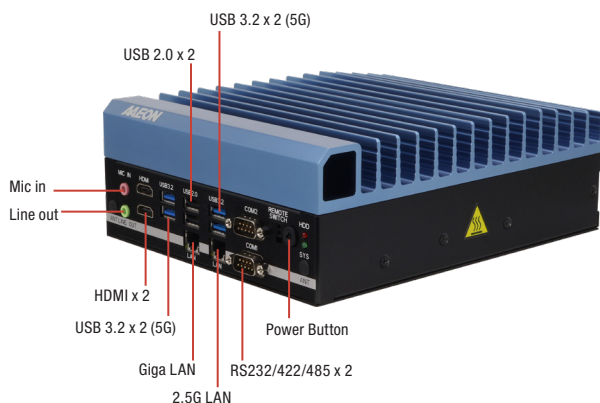


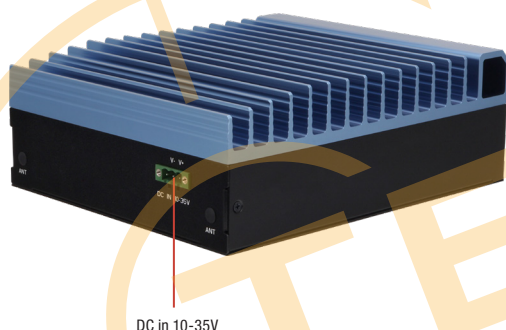
BOXER-6645U-RPL

Fanless Embedded Box PC with Socket Type 12/13/14th Generation Intel® Core™ Processor

Front View



Rear View



Features

- 12/13/14th Generation Intel® Core™ LGA 1700 socket-type Processor with Intel® H610E Chipset
- Wide Operating Temperature (-25°C ~ 70°C)
- HDMI output x 2
- GbE LAN x 2
- USB Type-A x 6
- RS-232/422/485 x 2, RS-232 x 4 (Optional)
- Internal 2.5" SSD bay x 2
- 10 ~ 35 VDC power input range
- TPM 2.0 onboard



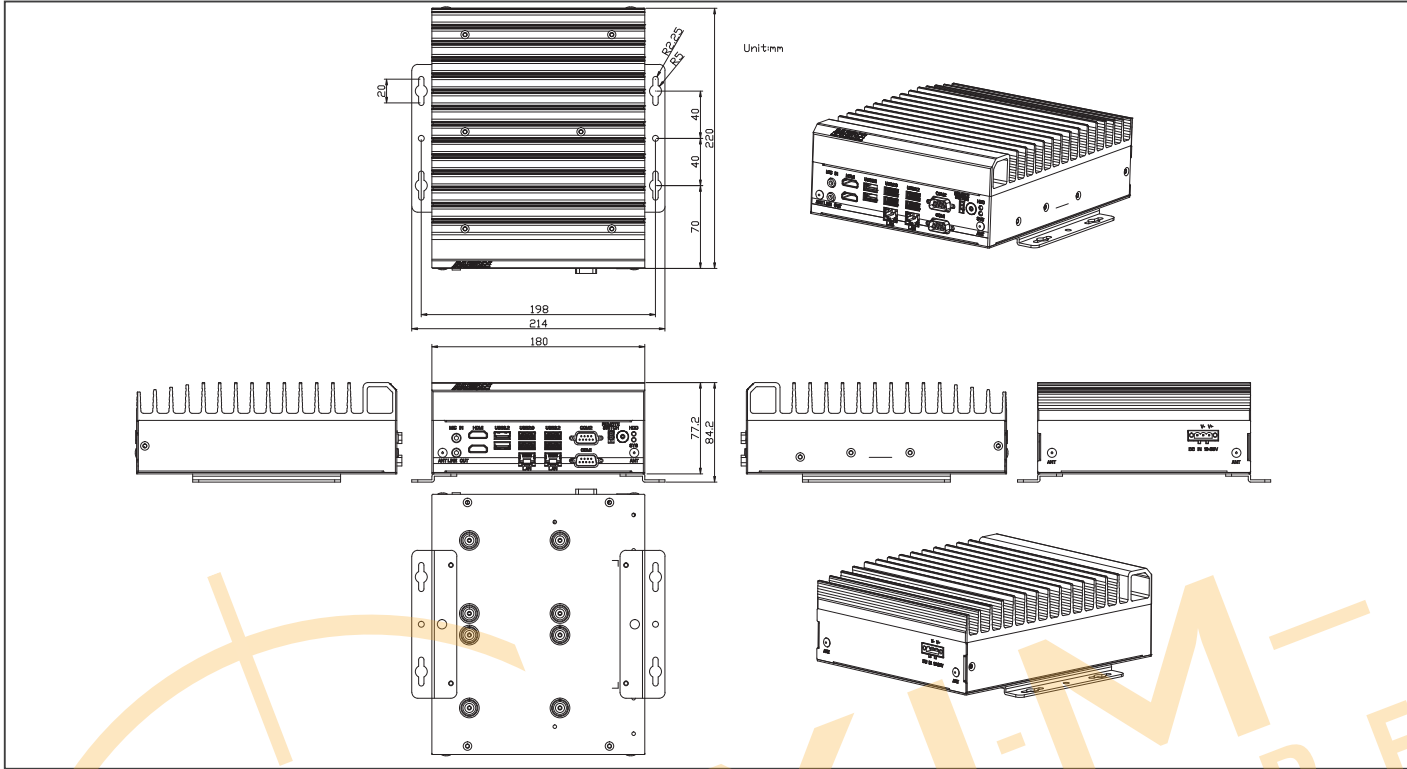
Specifications

System	
CPU	12/13/14th Generation Intel® Core™ LGA 1700 socket-type Processor, Max TDP 65W 13th Generation Intel® Core™ Processors: Intel® Core™ i9-13900TE, Intel® Core™ i9-13900E, Intel® Core™ i7-13700TE, Intel® Core™ i7-13700E, Intel® Core™ i5-13500TE, Intel® Core™ i5-13500E, Intel® Core™ i3-13100TE, Intel® Core™ i3-13100E, 14th Generation Intel® Core™ Processors: Intel® Core™ i9-14900, Intel® Core™ i9-14900T, Intel® Core™ i7-14700, Intel® Core™ i7-14700T, Intel® Core™ i5-14500, Intel® Core™ i5-14500T, Intel® Core™ i3-14100, Intel® Core™ i3-14100T,
Chipset	Intel® H610E
System Memory	DDR5 SODIMM x 2, up to 64GB
Display Interface	HDMI x 2, 4K x 2K @30Hz
Storage Device	2.5" SATA Drive Bay x 2 M.2 2280 M-Key x 1 (PCIe Gen 3 [x4] for NVMe)
Ethernet	Intel® I219-LM, GbE RJ-45 x 1 Intel® I226-LM, 2.5GbE RJ-45 x 1
I/O	USB 3.2 Gen 2 x 4, USB 2.0 x 2 DB-9 x 2 for RS-232/422/485 Audio x 1 (Mic-in/Line-out) Power Button with power LED x 1 Remote Power On/Off x 1
Expansion	M.2 2280 M-Key x 1 (For NVMe Storage) M.2 2230 E-Key x 1 (for Wi-Fi/Bluetooth) Full Size MiniPCIe x 1 (optional for mSATA) Onboard TPM 2.0
Indicator	System / Storage
OS support	Windows® 10 IoT Enterprise 64-bit Windows® 11 PRO 64-bit Linux Ubuntu 22.04
Power Supply	
Power Requirement	3-pin DC Input 10~35V
Mechanical	
Mounting	Wallmount
Dimensions (W x H x D)	7.09" x 3.04" x 8.66" (180mm x 77.2mm x 220mm) 8.43" x 3.31" x 8.66" (214mm x 84.2mm x 220mm) with brackets
Gross Weight	8.59 lb (3.9 kg)
Net Weight	6.39 lb (2.9 kg)
Environmental	
Operating Temperature	-13°F ~ 131°F (-25°C ~ 55°C), IEC60068-2 with 0.7 m/s AirFlow, with wide temperature memory/storage (TDP 65W CPU) -13°F ~ 158°F (-25°C ~ 70°C), IEC60068-2 with 0.7 m/s AirFlow, with wide temperature memory/storage (TDP 35W CPU)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Storage Humidity	5 ~ 95% @ 40°C, non-condensing
Anti-Vibration	IEC60068-2-64, 3 Grms/5 ~ 500Hz/operation (with SSD)
Anti-Shock	50G, IEC60068-2-27, half sine, 11ms duration (with SSD)
Certification	CE/FCC Class A

BOXER-6645U-RPL

Dimension

Unit: mm



Packing List

- BOXER-6645U-RPL x1
- Wallmount Bracket x 2
- 3 Pin DC-In Power Connector x 1
- Remote ON/OFF cable x 1
- Screw Package x 1

Optional Accessories

- 1255X00102
19V 180W Power Adapter
- 170X000799
Power Cord (US Type)
- 170X000800
Power Cord (Europe)
- 170X000803
Power Cord (Japan)
- 9C3256G007
M.2 2280 M Key 256GB, PCIe Gen4 x 4, 3D TLC ,
-40°C~85°C, Transcend TS256GMTE710T-I
- 9C3512G006
M.2 2280 M Key 512GB, PCIe Gen4 x 4, 3D TLC ,
-40°C~85°C, Transcend TS512GMTE710T-I
- 9C2001T007
M.2 2280 M Key 1TB, PCIe Gen4 x 4, 3D TLC ,
-40°C~85°C, Transcend TS1TMTE710T-I
- 9C3002T002
M.2 2280 M Key 2TB, PCIe Gen4 x 4, 3D TLC ,
-40°C~85°C, Transcend TS2TMTE710T-I
- 9641664501
Heatsink pack for PCIe Gen4x4 M.2 2280 NVMe SSD

Ordering Information

Part Number	PCH	LAN	USB 3.2 Gen2	USB 2.0	RS232	RS232/422/485	Digital I/O	Audio	Storage	Display	Expansion	Mounting	Power	Operation Temp.
BOXER-6645U-RPL-A1-1010	Intel® H610E	2	4	2	—	2	—	Mic-in Line-out	M.2 2280 M Key Slot x1 (NVMe SSD) 2.5" SATA Drive Bay x2	HDMI x2	M.2 2230 E Key x 1 Full Size MiniPCIe x 1 SIM Slot x 1	Wallmount	10~35V	-13°F ~ 131°F (-25°C ~ 55°C), IEC60068-2 with 0.7 m/s AirFlow, with wide temperature memory/storage (TDP 65W CPU) -13°F ~ 158°F (-25°C ~ 70°C), IEC60068-2 with 0.7 m/s AirFlow, with wide temperature memory/storage (TDP 35W CPU)

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.

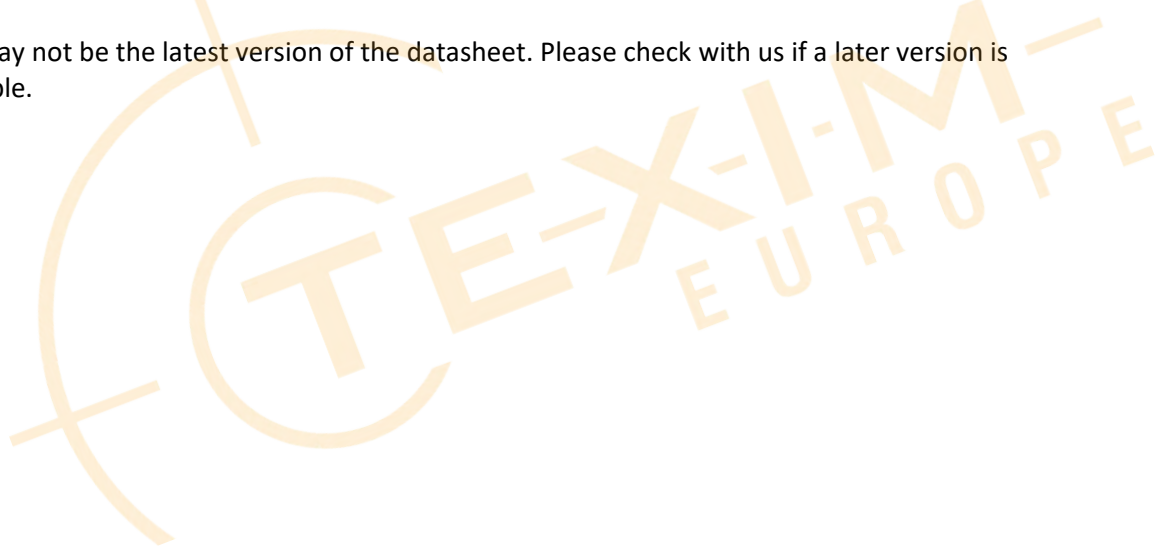
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

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