

UP Xtreme i11 Edge Compute Enabling Kit

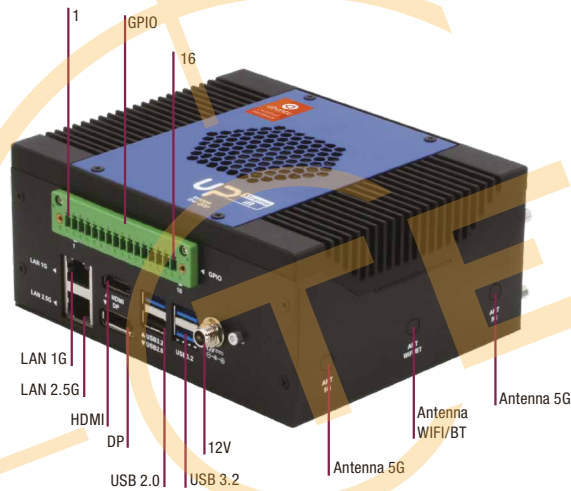
11th Generation Intel® Core™ i7/i5 Processor SoC (formerly Tiger Lake UP3)

UP Systems

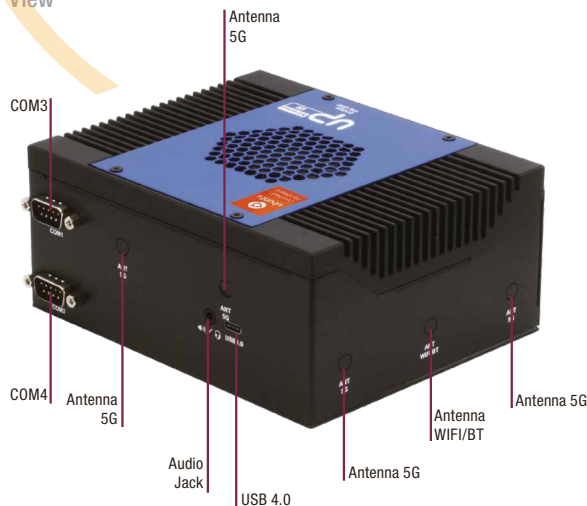


*Power Adapter/ Cord : Optional Accessories

Front View



Rear View



Features

- 11th generation Intel® Core™ i7/i5 Processor SoC (formerly Tiger Lake UP3)
- 16-pin GPIO connector x 1
- Pre-load Software
- Supports 5G via M.2 3052
- Supports AI Accelerator via M.2 2280
- Supports WiFi 6
- Supports USB 4.0
- Supports LAN up to 2.5Gbps

Distributed by:



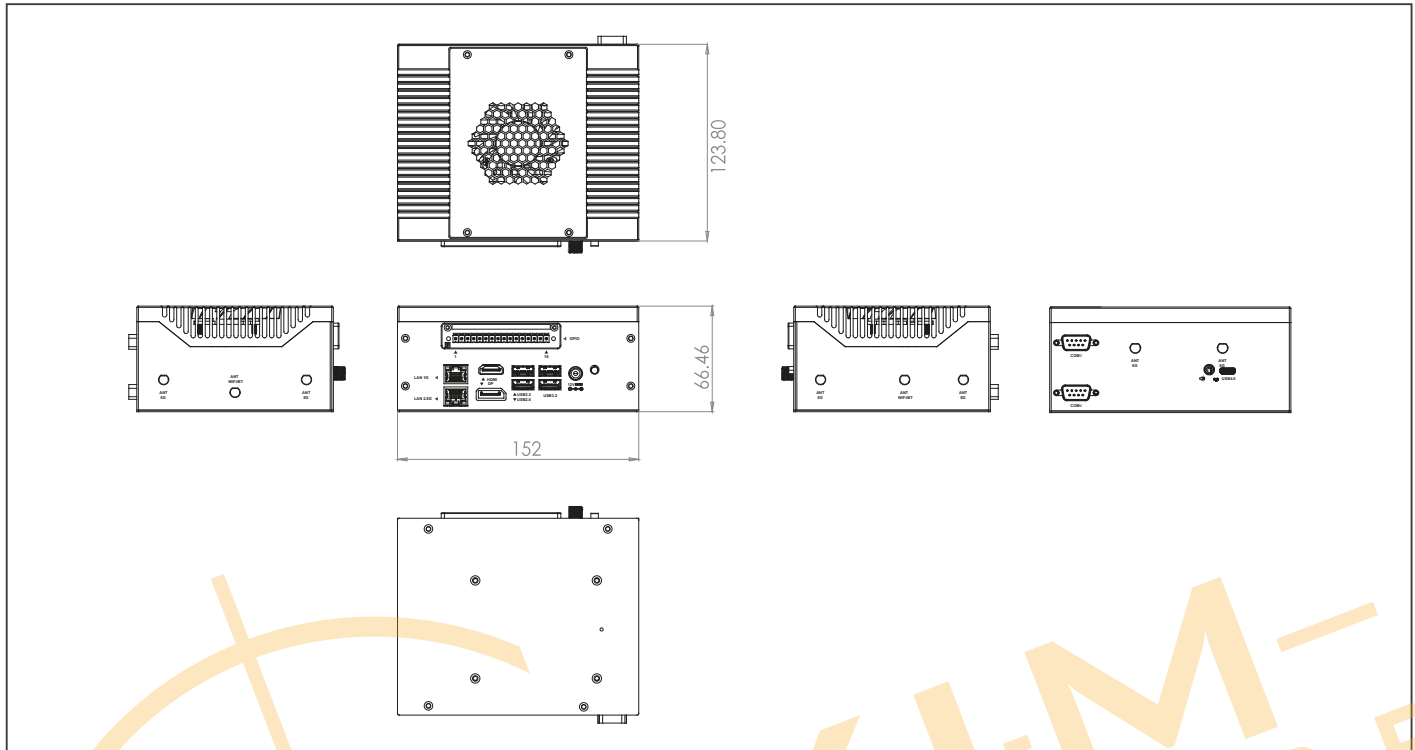
Specifications

System	
CPU	11th Gen Intel® Core™ Processor SoC Core i7-1185GRE Core i5-1145GRE
Memory	8GB 3200MHz SODIMM modules x 2
Graphics	Intel® Iris® Xe graphics
Storage	128GB 2.5" SSD x 1
Ethernet	Intel® i225IT (TSN) x 1, Intel® i219 (vPRO) x 1
WiFi/BT	Optional
Audio	Realtek ALC888s x 1 (Mic /Line out)
USB	USB 3.2 Gen2 x 3 USB 2.0 x 1 (Type A) USB 4.0 via USB type C
Expansion Slot	M.2 2230 E-Key x 1 M.2 2280 M-Key x 1 M.2 3052 B-Key x 1 with SIM
I/O Placements	
Power	12V DC-in (Lockable plug)/ Phoenix connector
USB	USB3.2 Gen2 x 3 USB2.0 x 1 (Type A) USB4.0 via USB type C
Display Port	HDM 2.0 x 1 /DP 1.4 x 1 eDP x 1, 4K at 60hz panel
Ethernet	Intel® i225IT x 1, Intel® i219 (vPRO) x 1
Environment	
Power	12V (AT & ATX)
Form Factor	4.88" x 5.98" x 2.62" (124mm x 152mm x 66.5mm)
Product Dimension	10.94" x 10.59" x 5.87" (278mm x 269mm x 149mm)
Gross Weight	5.07 lb (2.3kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Certification	CE, FCC Class A
OS Support	Preinstalled Software Ubuntu 20.04 LTS and 5.11 Kernel Intel® Distribution of OpenVINO™ toolkit 2021 R1 Intel® Media SDK Intel® Distribution for Python* MRAA and UPM I/O and sensor libraries for C++, Python*, Java*, and JavaScript* Docker-CE k3s Kubernetes ONNX AWS Greengrass SQLite 3 Node.js cmake gcc Openssl Openssh-server/client git vim tmux

UP Xtreme i11 Edge Compute Enabling Kit

Dimension

Unit: mm



Ordering Information

Part Number	CPU	Core	LAN	Memory	Storage	USB	COM Ports	Expansion slot	AI Core XM 2280	GPIO	Display	Power	Operation temp	Preload Software
UPX-EDGE-TGLi7-A10-16128-FDKT	Intel Core i7-1185GRE	4	GbE x 2 (Intel i225 IT up to 2.5Gbps, Intel i219 up to 1Gbps)	8GB*2 3200MHz SODIMM	2.5" SATA SSD 128GB	USB 3.2 Gen 2 x 3 USB 2.0 x 1 USB4.0 x 1	2	M.2 2280 M key x 1, M.2 2230 E key x 1, M.2 3052 B key x 1 SATA 3 x 1 PCIe 4.0 x 1 (need customized chassis)	NO	16pin x 1	HDMI, DP, eDP, DP via USB type C	12V	32°F ~140°F (0°C ~ 60°C)	Ubuntu 20.04 LTS and 5.11 Kernel Intel® Distribution of OpenVINO™ toolkit 2021 R1 Intel® Media SDK Intel® Distribution for Python™ MRAA and UPM I/O and sensor libraries for C++, Python®, Java®, and JavaScript® Docker-CE K3s Kubernetes ONNX
UPX-EDGE-TGLi5-A10-16128-FDKT	Intel Core i5-1145GRE	2	GbE x 2 (Intel i225 IT up to 2.5Gbps, Intel i219 up to 1Gbps)	8GB*2 3200MHz SODIMM	2.5" SATA SSD 128GB	USB 3.2 Gen 2 x 3 USB 2.0 x 1 USB4.0 x 1	2	M.2 2280 M key x 1, M.2 2230 E key x 1, M.2 3052 B key x 1 SATA 3 x 1 PCIe 4.0 x 1 (need customized chassis)	NO	16pin x 1	HDMI, DP, eDP, DP via USB type C	12V	32°F ~140°F (0°C ~ 60°C)	AWS Greengrass SQLite 3 Node.js cmake gcc Openssl Openssh-server/client git vim tmux
UPX-EDGE-TGLi7-A10-16128-FDAI	Intel Core i7-1185GRE	4	GbE x 2 (Intel i225 IT up to 2.5Gbps, Intel i219 up to 1Gbps)	8GB*2 3200MHz SODIMM	2.5" SATA SSD 128GB	USB 3.2 Gen 2 x 3 USB 2.0 x 1 USB4.0 x 1	2	M.2 2280 M key x 1, M.2 2230 E key x 1, M.2 3052 B key x 1 SATA 3 x 1 PCIe 4.0 x 1 (need customized chassis)	x1	16pin x 1	HDMI, DP, eDP, DP via USB type C	12V	32°F ~140°F (0°C ~ 60°C)	
UPX-EDGE-TGLi5-A10-16128-FDAI	Intel Core i5-1145GRE	2	GbE x 2 (Intel i225 IT up to 2.5Gbps, Intel i219 up to 1Gbps)	8GB*2 3200MHz SODIMM	2.5" SATA SSD 128GB	USB 3.2 Gen 2 x 3 USB 2.0 x 1 USB4.0 x 1	2	M.2 2280 M key x 1, M.2 2230 E key x 1, M.2 3052 B key x 1 SATA 3 x 1 PCIe 4.0 x 1 (need customized chassis)	x1	16pin x 1	HDMI, DP, eDP, DP via USB type C	12V	32°F ~140°F (0°C ~ 60°C)	

Packing List

- UPX-EDGE i11 x 1
- 8GB 3200MHz SODIMM modules x 2
- 128GB 2.5" SSD x 1
- PER-TAIX2-A20-2280 x 1 (for UPX-EDGE-TGLi7- A10-16128-FDAI & UPX-EDGE-TGLi5- A10-16128-FDAI only)
- Ubuntu License sticker x 1

Optional Accessories

- **EP-PS12V6A72WFJ**
12V6A Power Supply, Cable Length 1200mm
DC Jack: 5.5x2.5mm Lock Type
FJ-SW20251206000
- **EP-CBPC250V3PUK**
UK Power Cord Plug 13A 250V 3X 0.75mm²
1800±30mm cable length
- **EP-CBPC125V3PUS**
US Power Cord Plug 10A 125V Connector
SP-305B+IS-14 SVT 18/3 60°C
0.75mm 1800±30mm cable length Black UL
- **EP-CBPC250V3PEU**
EU Power Cord Plug 16A 250V Connector
10A 250V VDE H05VV-F 3G 0.75mm
1800±30mm cable length
- **RE-WFKIT-9260NVP**
Intel 9260 Wifi Kit, Intel® Wireless-AC 9260, 802.11AC, 2x2 AC+BT, M.2 2230, No vPro with 2X External Antennas & 2X RF Cables and integrated Antennas 2.4GHz/5GHz

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.

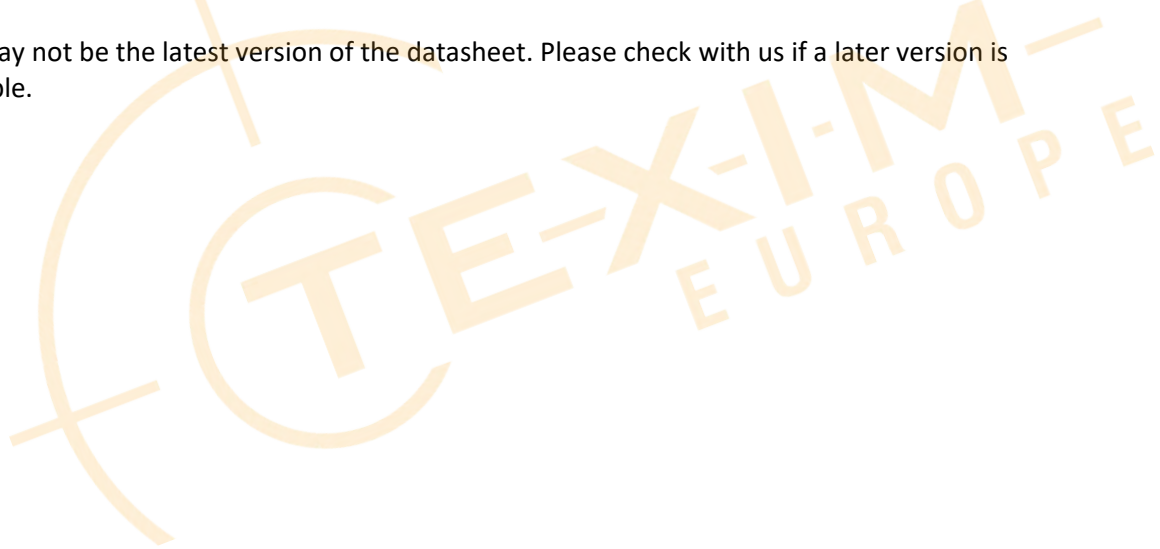
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

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