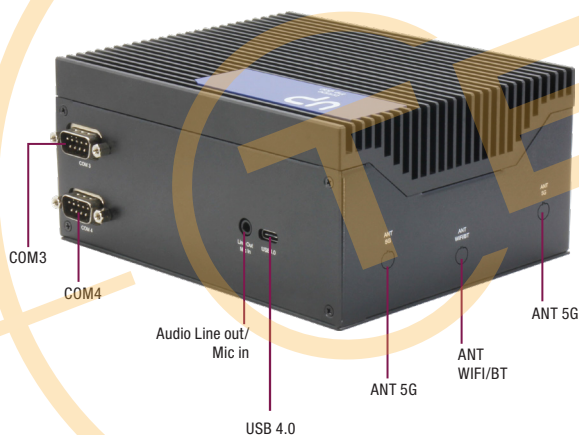
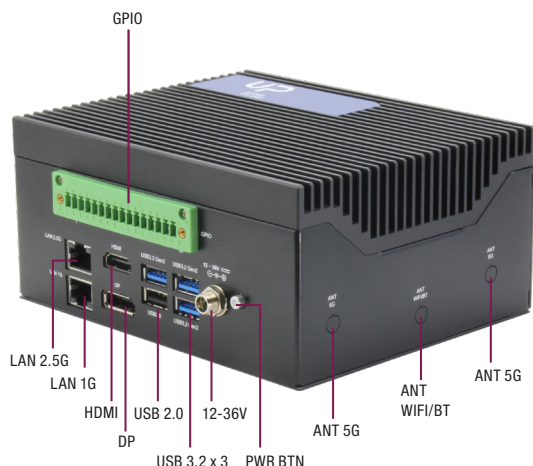


UP Xtreme i12 Edge

UP Xtreme i12/13 system with 12th/13th Generation Intel® Core™ i7/i5/i3/Celeron® Processor SoC



Features

- 12th/13th Generation Intel® Core™ i7/i5/i3/Celeron® Processor SoC
- Onboard Dual Channel LPDDR5, up to 32GB
- Support 4 independent displays up to 4K @60Hz
- M.2 2280 M-Key x 2 (PCIe Gen 4)
- M.2 3052 B-Key x 1
- Intel® AX210 WiFi 6 support
- TPM 2.0
- USB 4.0
- Up to 2.5GbE LAN speed
- Wide Range 12V~36V Power Input

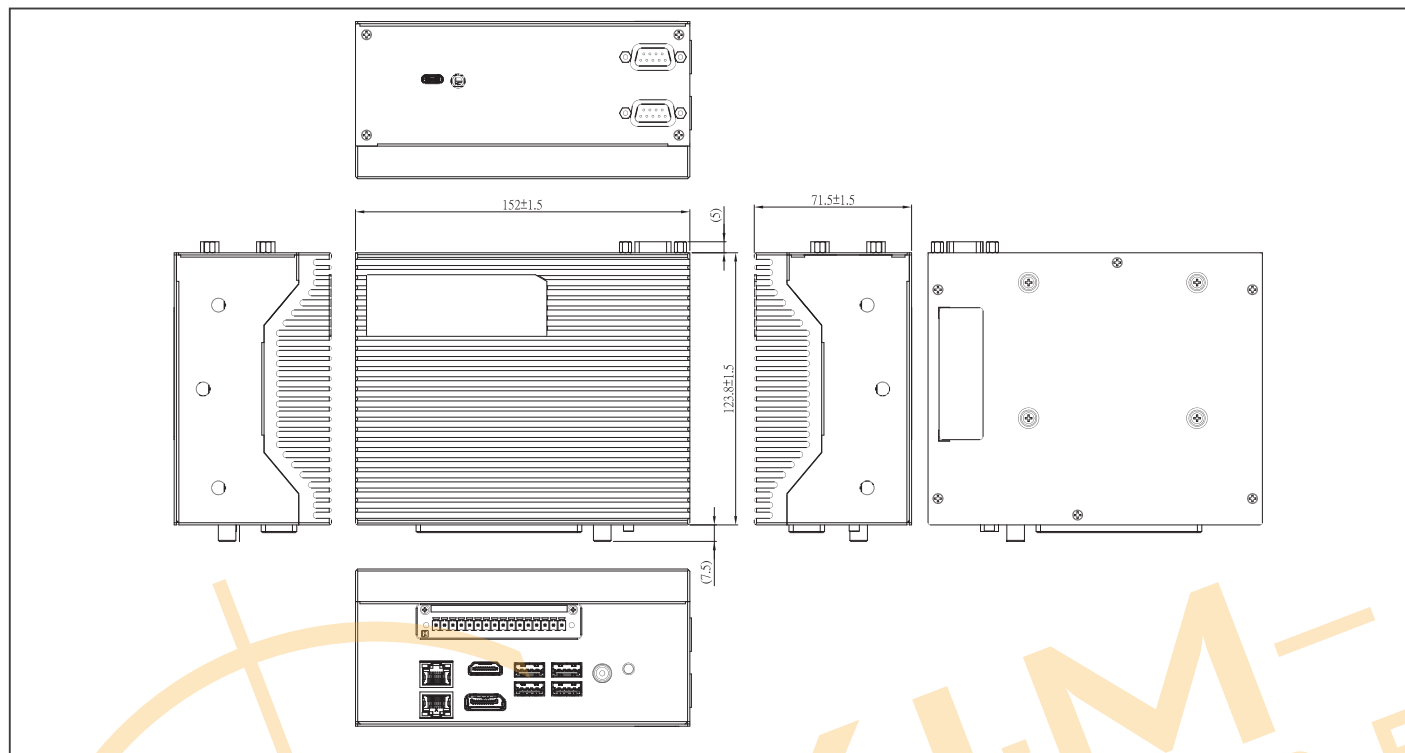


Specifications

System	
CPU	12th Gen Intel® Core™ Processor SoC Intel® Core™ i7-1270PE, Intel® Core™ i7-1260P, Intel® Core™ i5-1250PE, Intel® Core™ i5-1240P, Intel® Core™ i3-1220PE, Intel® Celeron® 7305E 13th Gen Intel® Core™ Processor SoC Intel® Core™ i7-1370PE, Intel® Core™ i7-1360P, Intel® Core™ i5-1340PE, Intel® Core™ i3-1320PE
Memory	Up to 32GB onboard LPDDR5
Graphics	Intel® Iris® Xe graphics VPU: Hailo-8™ M.2 2280 B+M key AI module via m.2 2280 (Optional by SKU from ordering information)
Storage	M.2 2280 M-Key x 2 (PCIe Gen 4.0 [x4]) (an additional thermal kit is required when SSD is installed) SATA 6Gb/s x 1
Ethernet	Intel® I226-IT x 1 (TSN), Intel® I219 x 1 (vPRO)
WIFI/BT	Optional with M.2 2230 E-key x 1
Expansion Slot	40-pin GPIO x 1 M.2 2230 E-Key x 1 M.2 2280 M-Key x 2 (PCIe Gen 4.0 [x4]) SATA 6Gb/s x 1 M.2 3052 B-Key x 1 (an additional thermal kit is required when 5G module is installed) Nano SIM Slot x 1
Security	Onboard TPM 2.0
OS Support	Windows® 10 Enterprise 2021 LTSC, Ubuntu 22.04, Yocto 4.0
I/O Placements	
USB	USB 2.0 (Type-A) x 1, USB 3.2 Gen 2 (Type-A) x 3, USB 4.0 (Type-C) x 1
Display Port	HDMI 2.0b x 1 DP 1.4a x 1 DP 1.4a x 1 (via USB Type-C) eDP1.4b x 1
Ethernet	RJ45 x 2
COM	RS-232/422/485 x 2
Audio	Audio Jack x 1 (Mic-in+Line-out)
GPIO	16-pin terminal block connector x1
POWER Supply	
Power requirement	12-36V DC-in (Lockable plug)
Power supply type	AT/ATX (ATX as default)
Power Consumption(Typical)	Intel® Core™ i7-1270PE, LPDDR5 4800MHz 16GB, 5.86A@+ 12V (Typical) Intel® Core™ i7-1270PE, LPDDR5 4800MHz 16GB, 8.05A@+ 12V (Max)
MECHANICAL	
Mounting	VESA Mount/Wall Mount(optional)
Dimensions (WxHxD)	5.98" x 4.87" x 2.81" (152mm x 123.8mm x 71.5mm)
Net Weight	2.95 lbs (1.34kg)
Gross Weight	3.88 lbs (1.76kg)
Environment	
Operating Temperature	With Cooler: 32°F ~ 140°F (0°C ~ 60°C), 0.5m/s airflow
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
MTBF	366,810 Hours
Certification	CE/FCC Class A, RoHS Compliant, REACH

Dimension

Unit: mm



Packing List

- UP Xtreme i12 Edge
- SATA cable
- SATA power cable

Optional Accessories

Part Number	Description
1255X00071	(TF)AC/DC Adapter, Input 100V~240V, output DC 19V, 120W, 6.32A, DC JACK w/Lock, FSP, FSP120-ABAN3/9NA1208548
170X000799	Power Cord for USA
170X000800	Power Cord for EU
170X000803	Power Cord for Japan
9741364A00	Wireless LAN Kit M.2 2230 802.11ac/a/b/g/n + BT4.0, 2T2R, with 2 sets of cable & antenna (Enli, QCWFA364A)
9651926001	(TF), M.2 2230 WiFi Kit, 802.11ac, 2.4G/5G, W/BT Intel, 9260, NGWG, NV, 958867 w/2 cable & antenna
9651210000	Wireless LAN Kit M.2 2230 802.11ac/a/b/g/n + BT5.2, 2.4G/5G/6G, with 2 sets of cable & antenna (Intel AX210)
UPX-VESAKIT-A10-0001	VESA/Wallmount kit for UPX-EDGE-ADLP

*an additional thermal kit is required when SSD or 5G module is installed.

Ordering Information

Part Number	CPU	Core	Memory	Storage	Heatsink	VPU
UPX-EDGE-ADLPCR-A10-0864	Intel® Celeron® 7305E	1P+4E	8GB	64GB 2.5" SSD	FANLESS	—
UPX-EDGE-ADLPI3-A10-08128	Intel® Core™ i3-1220PE	4P+4E	8GB	128GB 2.5" SSD	FANLESS	—
UPX-EDGE-ADLPI5-A10-16128	Intel® Core™ i5-1250PE	4P+8E	16GB	128GB 2.5" SSD	FANLESS	—
UPX-EDGE-ADLPI7-A10-16128	Intel® Core™ i7-1270PE	4P+8E	16GB	128GB 2.5" SSD	FANLESS	—
UPX-EDGE-ADLPI5C-A10-16128	Intel® Core™ i5-1240P	4P+8E	16GB	128GB 2.5" SSD	FANLESS	—
UPX-EDGE-ADLPI7C-A10-16128	Intel® Core™ i7-1260P	4P+8E	16GB	128GB 2.5" SSD	FANLESS	—
UPX-EDGE-RAPI3-A11-08128	Intel® Core™ i3-1320PE	4P+4E	8GB	128GB 2.5" SSD	FANLESS	—
UPX-EDGE-RAPI5-A11-16128	Intel® Core™ i5-1340PE	4P+8E	16GB	128GB 2.5" SSD	FANLESS	—
UPX-EDGE-RAPI7-A11-16128	Intel Core i7-1370PE	6P+8E	16GB	128GB 2.5" SSD	FANLESS	—
UPX-EDGE-RAPI7C-A11-16128	Intel Core i7-1360P	4P+8E	16GB	128GB 2.5" SSD	FANLESS	—
UPX-EDGE-ADLPI5-A10-16128-HALO	Intel® Core™ i5-1250PE	4P+8E	16GB	128GB 2.5" SSD	FANLESS	Halo-8™ M.2 2280 B+M key AI module via m.2 2280

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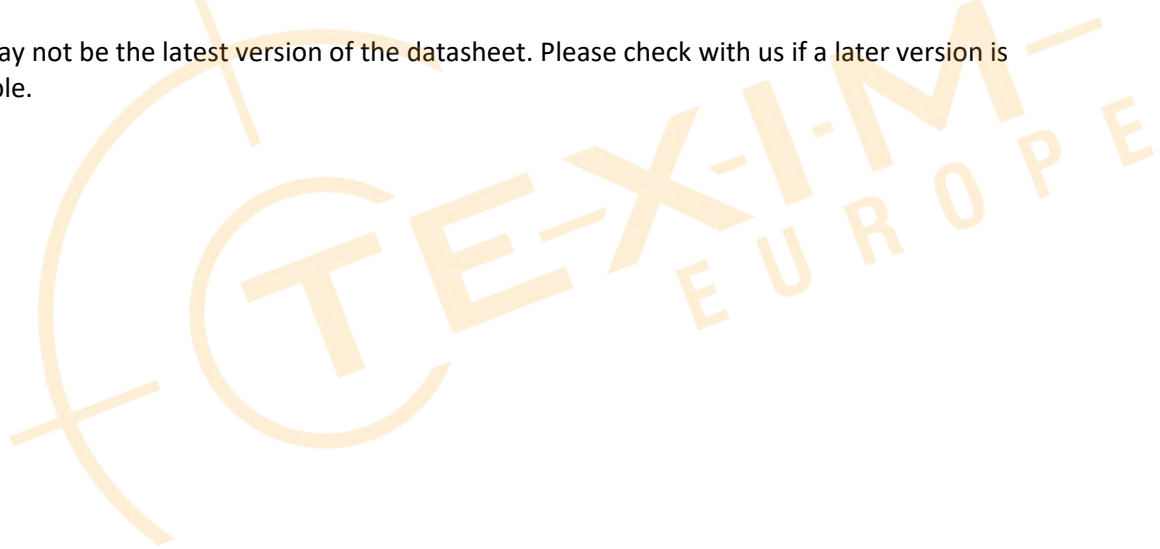
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

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.





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