

UP Squared Pro 7000 Edge

UP Squared Pro 7000 System with Intel Atom® x7000E Series, Intel® Processor N-series, and Intel® Core™ i3-N305 Processor



Distributed by:



Features

- Intel Atom® x7000E Series, Intel® Processor N-series, and Intel® Core™ i3-N305 Processor
- Onboard LPDDR5 Memory up to 16GB
- Onboard eMMC Storage up to 64GB
- 2.5GbE x 2 (Intel® I226-IT)
- USB 3.2 x 3 (Type A x 2, Type C x 1)
- 40 pin GPIO x 1
- DP 1.2 x 1/DP 1.4a x 1/HDMI 2.0b
- RS-232/422/485 x 2
- M.2 2230 E-Key/M.2 2280 M-Key/M.2 3052 B-Key
- SATA 6Gb/s x 1
- TPM 2.0
- 12V DC-in, 6A



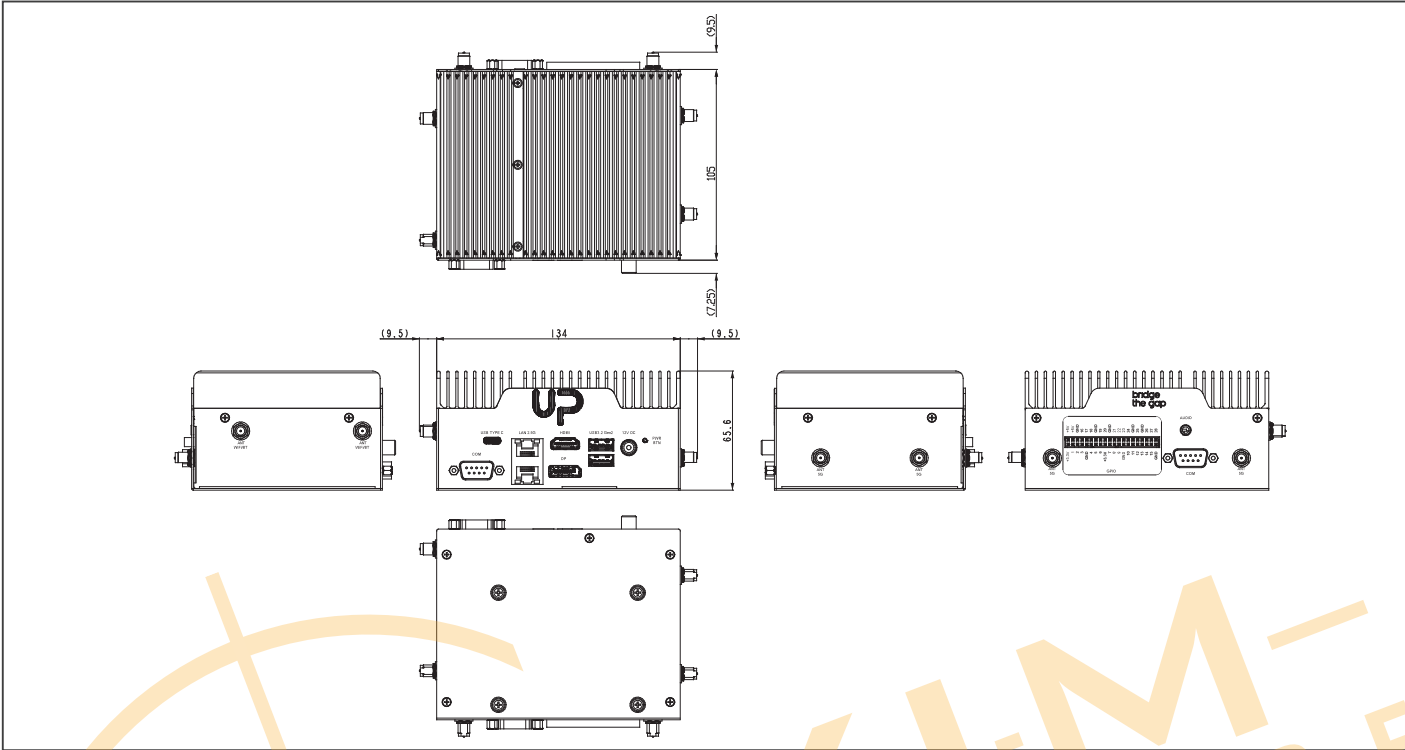
Specifications

System	
CPU	Intel® Core™ i3-N305 Intel Atom® x7425E Intel® Processor N97 Intel® Processor N50
Memory	Up to 16GB onboard LPDDR5
Graphics	Intel® UHD Graphics for 12th Gen Intel® Processors VPU: Halo-8™ M.2 2280 B+M key AI module via m.2 2280 (Optional by SKU from ordering information)
Storage	Up to 64GB onboard eMMC
Ethernet	2.5GbE x 2 (Intel® I226-IT)
WIFI/BT	Optional with M.2 2230 E-key x 1
Expansion Slot	M.2 2230 E-Key x 1 (CNVI, PCIe Gen 3 [x1], USB 2.0) M.2 2280 M-Key x 1 (PCIe Gen 3 [x2], USB 2.0) M.2 3052 B-Key x 1 (USB 3.2 Gen 2) with Nano SIM slot (USB 3.0) SATA 6Gb/s x 1
Security	Onboard TPM 2.0
OS Support	Windows® 10 IoT Enterprise Ubuntu 22.04 LTS Yocto 4.0
I/O Placements	
USB	USB 3.2 Gen 2 x 2 (Type-A) USB 3.2 Gen 2 x 1 (Type-C)
Display Port	HDMI 2.0b x 1 DP 1.2 x 1 DP 1.4a via USB Type C
Ethernet	2.5GbE x 2 (Intel® I226-IT)
COM	RS-232/422/485 x 2
Audio	Audio Jack x 1 (Mic-in+Line-out)
GPIO	40 Pin GPIO x 1
Power Supply	
Power requirement	12V DC-in (Lockable plug)
Power supply type	AT/ATX (ATX as default)
Power Consumption (Typical)	26W~35W
Mechanical	
Mounting	—
Dimensions (WxHxD)	5.27" x 4.13" x 2.56" (134mm x 105mm x 65mm)
Net Weight	2 lbs (0.95kg)
Gross Weight	2.8 lbs (1.3kg)
Environment	
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C) / 0.5 airflow
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
MTBF	422,053 Hours
Certification	CE/FCC Class A, RoHS Compliant, REACH

UP Squared Pro 7000 Edge

Dimension

Unit: mm



Ordering Information

Part number	CPU	CORE	MEMORY	STORAGE	HEATSINK	VPU
UPN-EDGE-ADLN50-A10-0432	Intel® Processor N50	2 Core	4GB	32GB	FANLESS	—
UPN-EDGE-ADLN97-A10-0432	Intel® Processor N97	4 Core	4GB	32GB	FANLESS	—
UPN-EDGE-ADLN97-A10-0864	Intel® Processor N97	4 Core	8GB	64GB	FANLESS	—
UPN-EDGE-ADLN13-A10-1664	Intel® Core™ i3-N305	8 Core	16GB	64GB	FANLESS	—
UPN-EDGE-ADLNx25E-A10-0864	Intel Atom® x7425E	4 Core	8GB	64GB	FANLESS	—
UPN-EDGE-ADLN97-A10-0864-HALO	Intel® Processor N97	4 Core	8GB	64GB	FANLESS	Hailo-8™ M.2 2280 B+M key AI module via m.2 2280
UPN-EDGE-ADLNx25E-A10-0864-HALO	Intel Atom® x7425E	4 Core	8GB	64GB	FANLESS	Hailo-8™ M.2 2280 B+M key AI module via m.2 2280

Optional Accessories

Part Number	Description
1255X00032	(TF)AC/DC Adapter,Input AC:100~240V,Output DC:12V,MAX 72W,6.0A,180D.W/ LOCK,EDAC, EA10681U (120)
170X000800	(TF)POWER CORD.3P-250V 10A 180D.1.8M.VDE.FAN-JET.YP-22/YC-12 (for EU)
170X000799	(TF)POWER CORD.3P-125V 10A 180D.1.8M.USA.FANJET.YP12/YC-12 (for USA)
170203180J	(TF)Power Cord.3P.250V 10A.UK type.1830mm (for UK)
170X000803	(TF)Power cord.3P.125V/7A.1.8M.PSE YP12/YC12 Certificat (for Japan)
170X000815	(TF)POWER CORD.3P(M).3P(F).1.8m.250V 10A 180D.CHINA.FAN-JET.YP-03/YC-12 (for China)
170X000806	(TF)Power Cord.3P-125VP.7A.180D.1.8M.TWN/BSMI.FANJET.YP-12/YC-12 (for Japan)
9651926001	M.2 2230 WiFi Kit.802.11ac.2.4G/5G,W/BT w/2 cable & antenna
9741364A00	Wireless LAN Kit M.2 2230 802.11ac/a/b/g/n + BT4.0,2T2R,with 2 sets of cable & antenna
UP-SATAKIT-A10-0001	SATA KIT for UPN-EDGE-APL01/UPN-EDGE-EHL01/UPN-EDGE-ADLN01

Packing List

- UP Squared Pro 7000 Edge

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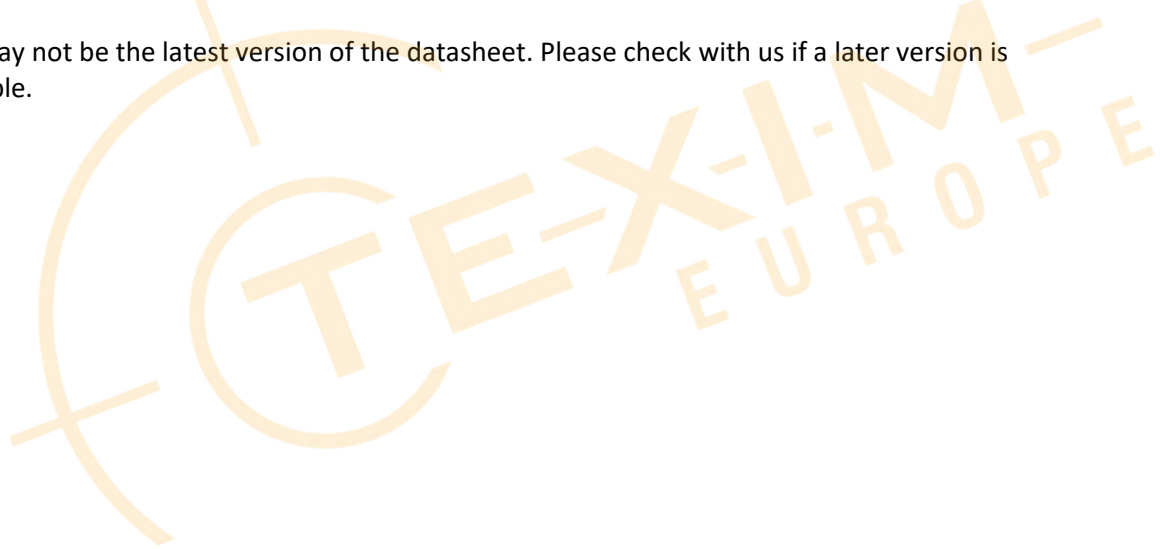
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

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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