

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



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

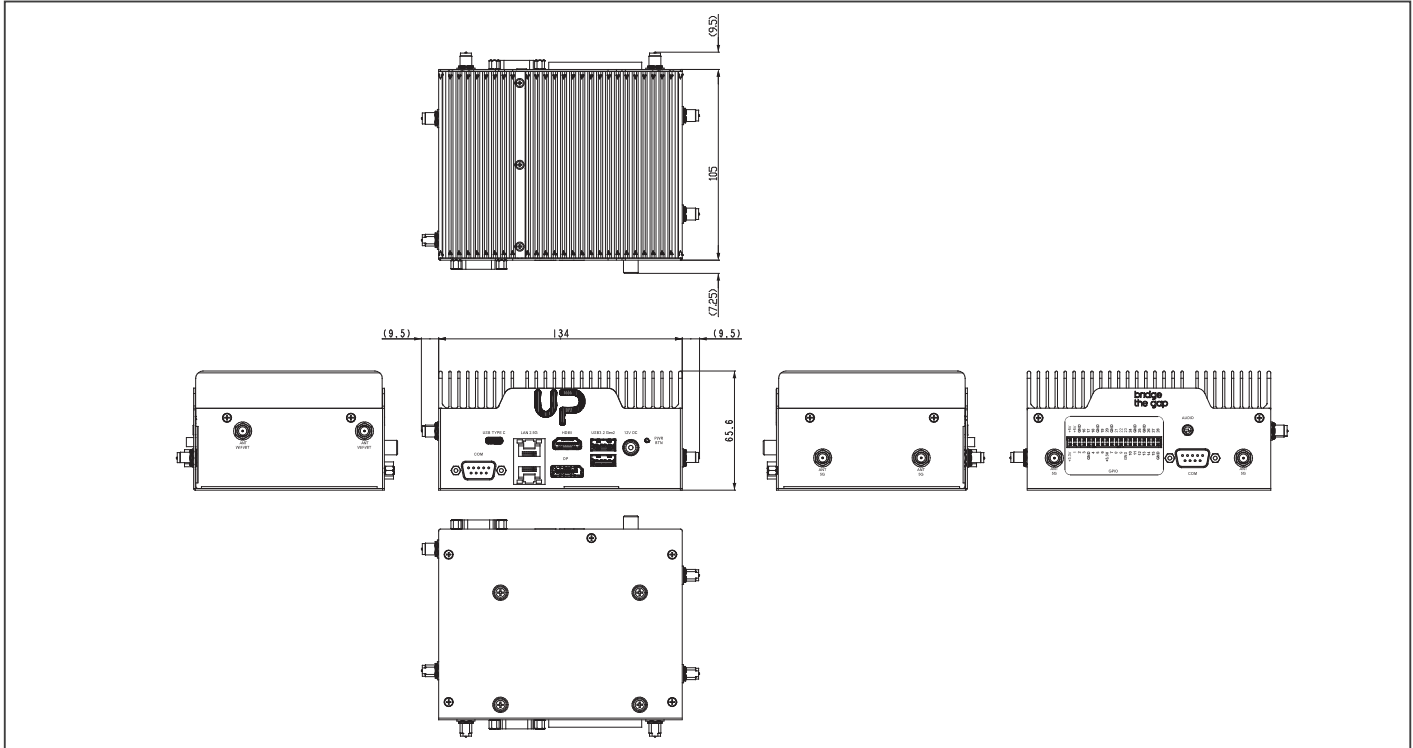


Specifications

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

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-ADLN25E-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-ADLN25E-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.FAN-JET.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

Mouser Electronics

Authorized Distributor

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[UPN-EDGE-ADLNX25E-A10-0864-HAILO](#)