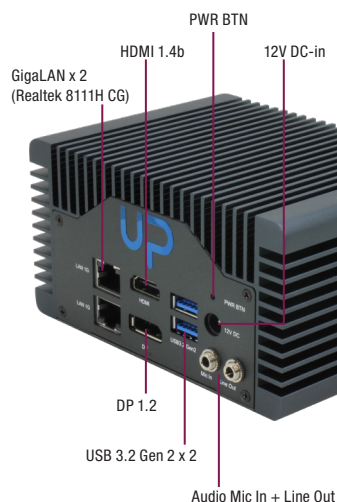


UP Squared i12 Edge

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

Front View



Rear View



Features

- 12th/13th Generation Intel® Core™ i7/i5/i3/Celeron® Processor SoC
- Up to 16GB Onboard LPDDR5
- Up to 128GB SSD
- M.2 2230 E-Key/M.2 2280 M-Key/SATA 6Gb/s x 1
- 1GbE x 2
- HDMI 1.4b x 1, DP 1.2 x 1, DP 1.4a via USB Type-C x 1
- USB 3.2 x 3 (Type A x 2, Type C x 1)
- Audio Jack x 1 (Line out + Mic in)
- 12V DC-in
- TPM 2.0



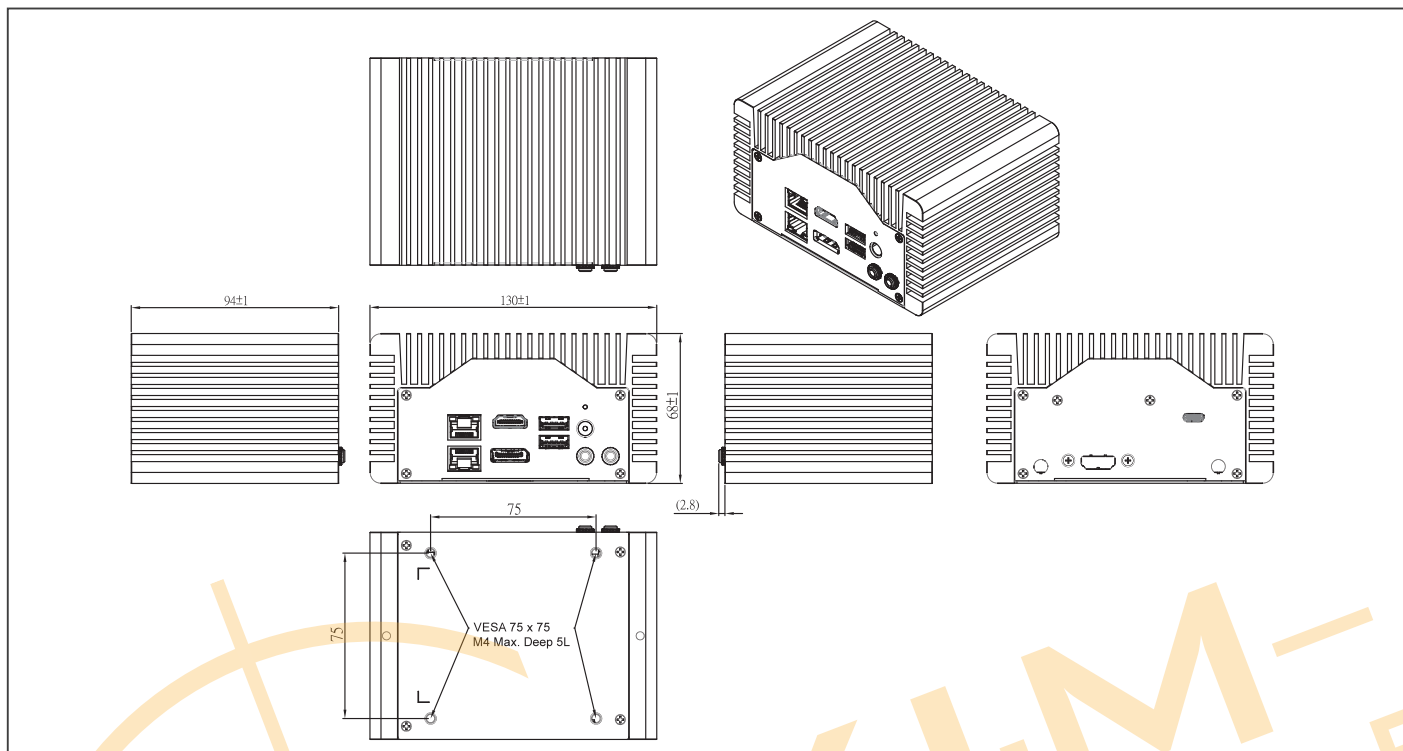
Specifications

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® Processor 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 16GB Onboard LPDDR5 (Single-Channel)
Graphics	Intel® UHD Graphics
Storage	M.2 2280 M-Key NVMe x 1 (PCIe Gen 4.0 [x4]) SATA 6Gb/s x 1
Ethernet	1GbE RJ-45 x 2 (Realtek RTL8111H-CG)
WiFi/BT	Optional: M.2 2230 E-Key M.2 2230 E-Key x 1 (CNVi & PCIe Gen 3.0 [x1])
Expansion Slot	M.2 2280 M-Key NVMe x 1 (PCIe Gen 4.0 [x4]) SATA 6Gb/s x 1
Security	Onboard TPM 2.0
OS Support	Windows® 10 IoT Enterprise Ubuntu 22.04 LTS Yocto 4
I/O Placements	
USB	USB 3.2 Gen 2 (Type A) x 2 USB 3.2 Gen2 (Type C) x 1
Display Port	HDMI 1.4b/DP 1.2 STACK Connector x 1 DP 1.4a x 1 (via USB Type-C)
Ethernet	1GbE RJ45 x 2 (Dual Stacked) (Realtek 8111H CG)
COM	—
Audio	Audio Jack (Line out + MIC in) x 1
GPIO	—
Power Supply	
Power requirement	12V DC-in
Power supply type	AT (default) /ATX
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)	5.12" x 3.7" x 2.68" (130mm x 94mm x 68mm)
Net Weight	1.87 lbs (0.85kg)
Gross Weight	2.36 lbs (1.07kg)
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	522,716
Certification	CE/FCC Class A, RoHS Compliant, REACH



Dimension

Unit: mm



Ordering Information

PART NUMBER	CPU	CORE	MEMORY	STORAGE	HEATSINK
UPS-EDGE-ADLPCR-A10-0864	Intel® Celeron® Processor 7305E	1P+4E	8GB	64GB	FANLESS
UPS-EDGE-ADLP13-A10-08128	Intel® Core™ i3-1220PE	4P+4E	8GB	128GB	FANLESS
UPS-EDGE-ADLP15-A10-08128	Intel® Core™ i5-1250PE	4P+8E	8GB	128GB	FANLESS
UPS-EDGE-ADLP15C-A10-16128	Intel® Core™ i5-1240P	4P+8E	16GB	128GB	FANLESS
UPS-EDGE-ADLP17-A10-16128	Intel® Core™ i7-1270PE	4P+8E	16GB	128GB	FANLESS
UPS-EDGE-ADLP17C-A10-16128	Intel® Core™ i7-1260P	4P+8E	16GB	128GB	FANLESS
UPS-EDGE-RAP13-A10-08128	Intel® Core™ i3-1320PE	4P+4E	8GB	128GB	FANLESS
UPS-EDGE-RAP15-A10-08128	Intel® Core™ i5-1340PE	4P+8E	8GB	128GB	FANLESS
UPS-EDGE-RAP17-A10-16128	Intel® Core™ i7-1370PE	4P+8E	16GB	128GB	FANLESS
UPS-EDGE-RAP17C-A10-16128	Intel® Core™ i7-1360P	4P+8E	16GB	128GB	FANLESS

Optional Accessories

Part Number	Description
1255X00088	(TF)AC/DC Adapter.100-240VAC.120W.12VDC/10A.W/O Lock.DC plug 2.1*5.5*12mm.FSP.FSP120-AHAN3/9NA1206756
170X000800	Power cord for EU.(TF)POWER CORD.3P-250V 10A 180D.1.8M.VDE.FAN-JET.YP-22/YC-12
170X000799	Power cord for US.(TF)POWER CORD.3P-125V 10A 180D.1.8M.USA.FANJET.YP12/YC-12
170203180J	Power cord for UK.(TF)Power Cord.3P.250V 10A.UK type.1830mm
170X000803	Power cord for Japan.(TF)Power cord.3P.125V/7A.1.8M.PSE YP12/YC12 Certificat
170X000815	Power cord for China.(TF)POWER CORD.3P(M).3P(F).1.8m.250V 10A 180D.CHINA.FAN-JET.YP-03/YC-12
170X000806	Power cord for Taiwan.(TF)Power Cord.3P-125VP.7A.180D.1.8M.TWN/BSMI.FANJET.YP-12/YC-12
1709070500	SATA cable.(TF)SATA CABLE.7P Pitch 1.27mm.50cm
1702150155	SATA power cable(15cm).(TF)Power Cable.15P SATA(F).2P 2.0mm Housing(PH).15cm
1702150306	SATA power cable(30cm).(TF)Power Cable.15P SATA(F).2P 2.0mm Housing(PH).30cm
170010015G	UART to USB cable.(TF)USB Cable.10P 1.0mm Housing.USB A/F
9741364A00	(TF).M.2 2230 Wireless.802.11 ac/b/g/n + BT 5.0.2T2R,Enli QCNFA364A.w/2 sets of cable and antenna
9651926001	Wireless BT Kit (TF).M.2 2230 WiFi Kit.802.11ac.2.4G/5G.W/BT Intel.9260.NGWG.NV.958867w/2 cable & antenna

Packing List

- UP Squared i12 Edge

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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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