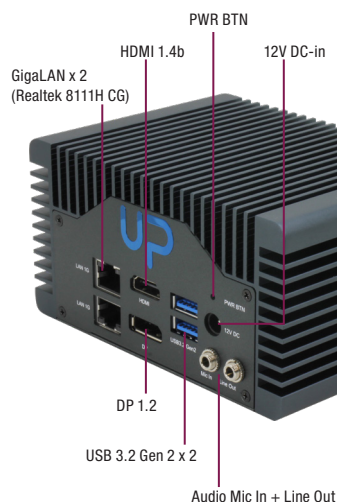


UP Squared i12 Edge

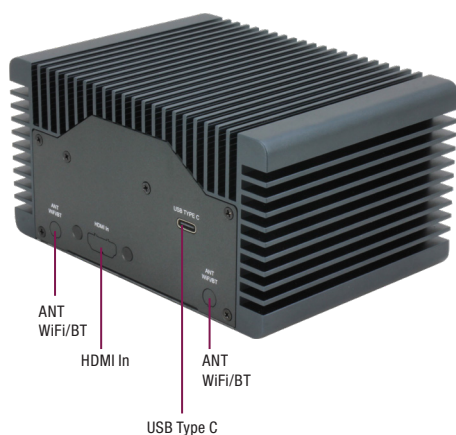


UP Squared i12 system with 12th/13th generation Intel® Core™ i7/i5/i3/Celeron® Processor SoC

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



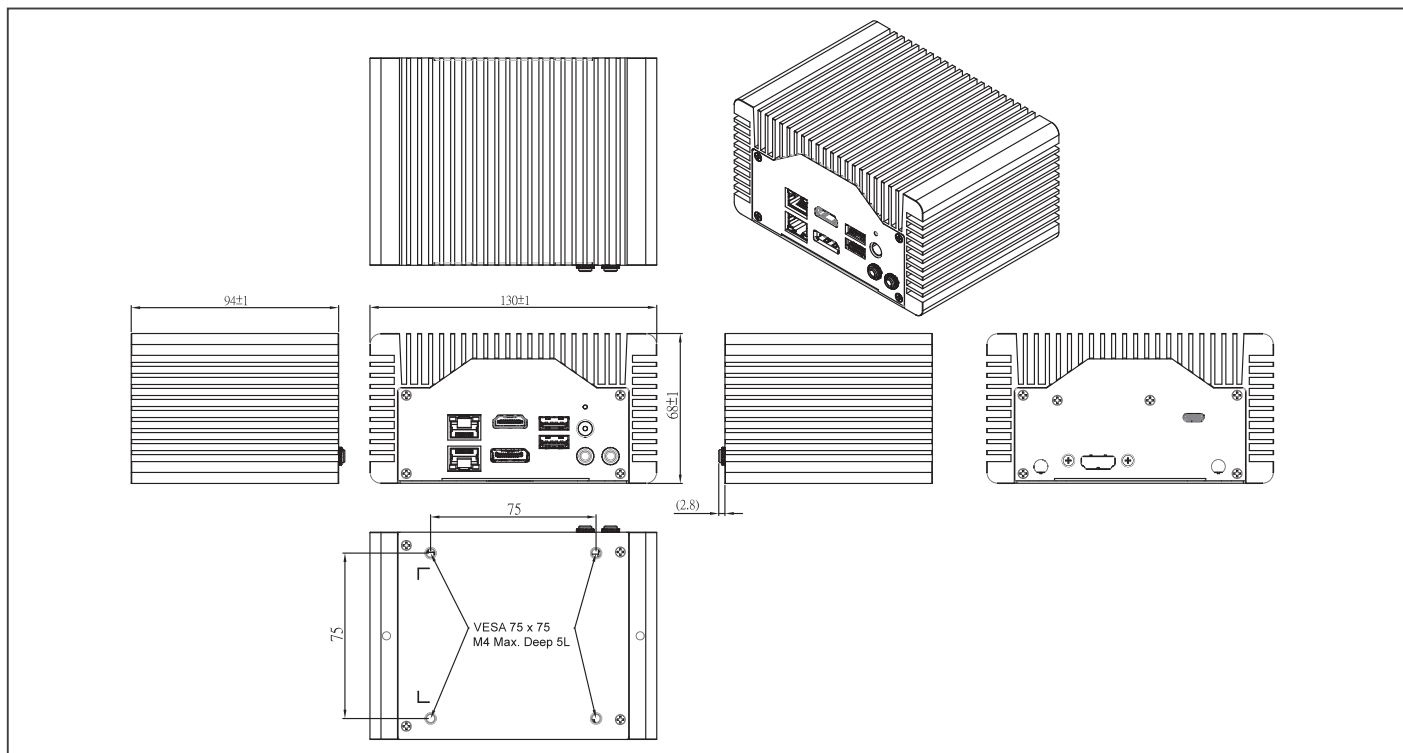
Specifications

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
Expansion Slot	M.2 2230 E-Key x 1 (CNVi & PCIe Gen 3.0 [x1]) 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/a/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