

# UP Squared i12 Edge

UP Squared i12 system with 12th generation Intel® Core™ i7/i5/i3/Celeron® Processor SoC (Alder Lake-P)

Front View



Rear View



## Features

- 12th Generation Intel® Core™ i7/i5/i3/Celeron® Processor SoC
- Up to 16GB Onboard LPDDR5
- Up to 128GB Onboard SSD
- M.2 2230 E-Key/M.2 2280 M-Key/SATA III 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

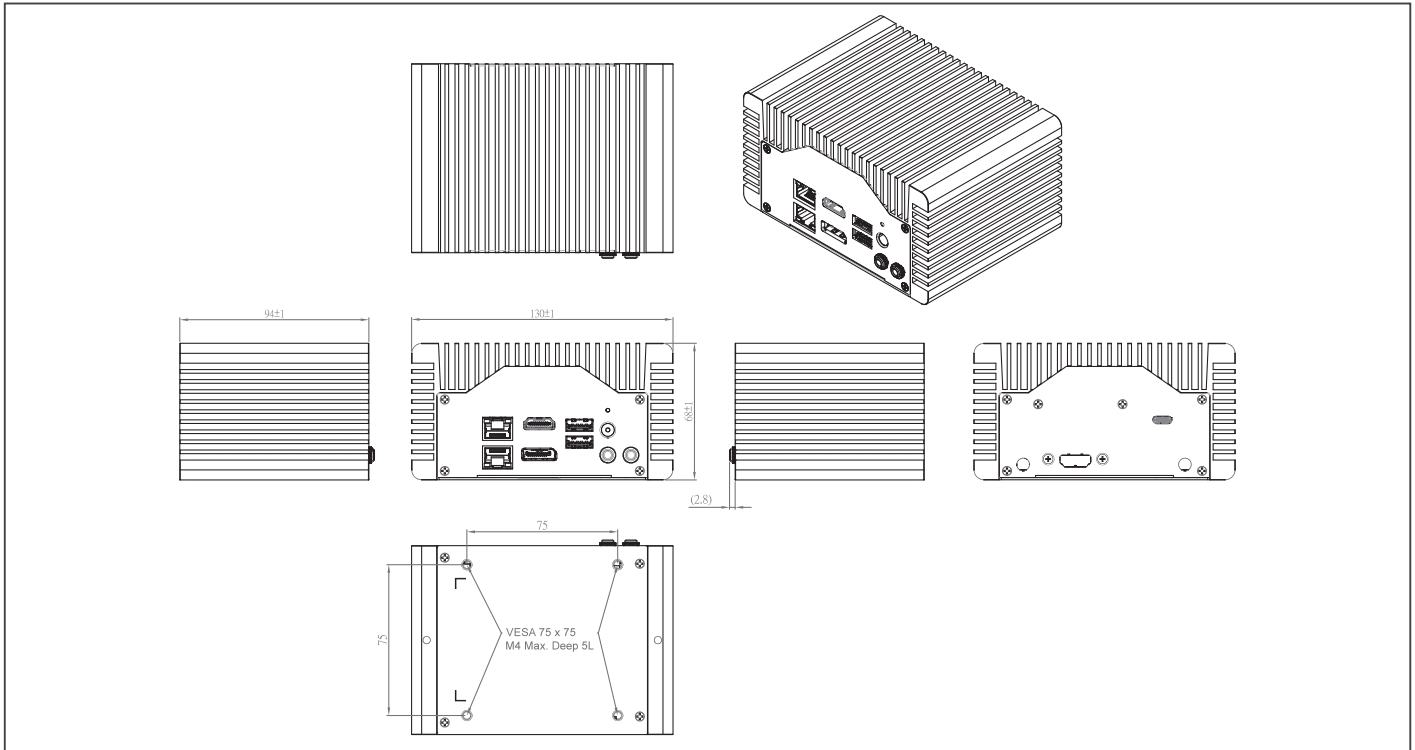


## Specifications

| System                     |  |
|----------------------------|--|
| CPU                        | 12th Gen Intel® Core™ Processor SoC<br>Intel® Core™ i7-1270PE (28W)<br>Intel® Core™ i7-1260P (28W)<br>Intel® Core™ i5-1250PE (28W)<br>Intel® Core™ i5-1240P (28W)<br>Intel® Core™ i3-1220PE (28W)<br>Intel® Celeron® Processor 7305E (15W) |
| Memory                     | Up to 16GB Onboard LPDDR5 (Single-Channel)   |
| Graphics                   | Intel® UHD Graphics  |
| Storage                    | Up to 128GB Onboard SSD<br>M.2 2280 M-Key NVMe x 1 (PCIe Gen 4.0 [x4])<br>SATA III x 1   |
| Ethernet                   | 1GbE RJ45 x 2 (Dual Stacked) (Realtek 8111H CG)  |
| WiFi/BT                    | Optional: M.2 2230 E-Key   |
| Expansion Slot             | M.2 2230 E-Key x 1 (CNVI & PCIe Gen 3.0 [x1])<br>M.2 2280 M-Key NVMe x 1 (PCIe Gen 4.0 [x4])<br>SATA III x 1   |
| Security                   | Onboard TPM 2.0  |
| OS Support                 | Windows® 10 IoT Enterprise<br>Ubuntu 22.04 LTS<br>Yocto 4  |
| I/O Placements             |  |
| USB                        | USB 3.2 Gen 2 (Type A) x 2<br>USB 3.2 Gen2 (Type C) x 1  |
| Display Port               | HDMI 1.4b/DP 1.2 STACK Connector x 1<br>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) | 30W~36W  |
| 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 |
|---------------------------|---------------------------------|---------|--------|---------|
| UPS-EDGE-ADLPCR-A10-0864  | Intel® Celeron® Processor 7305E | 1P + 4E | 8GB    | 64GB    |
| UPS-EDGE-ADLP3-A10-08128  | Intel® Core™ i3-1220PE          | 4P + 4E | 8GB    | 128GB   |
| UPS-EDGE-ADLP5-A10-08128  | Intel® Core™ i5-1250PE          | 4P + 8E | 8GB    | 128GB   |
| UPS-EDGE-ADLP7-A10-16128  | Intel® Core™ i7-1270PE          | 4P + 8E | 16GB   | 128GB   |
| UPS-EDGE-ADLP5C-A10-08128 | Intel® Core™ i5-1240P           | 4P + 8E | 8GB    | 128GB   |
| UPS-EDGE-ADLP7C-A10-16128 | Intel® Core™ i7-1260P           | 4P + 8E | 16GB   | 128GB   |

## Optional Accessories

| Part Number      | Description                                   |
|------------------|---|
| 1255X00088       | 12V 120W 10A Power Adapter. DC Jack with lock |
| EP-CBPC125V3PLUS | Power cord for US                             |
| EP-CBPC250V3PEU  | Power cord for EU                             |
| EP-CBPC250V3PUK  | Power cord for UK                             |

## Packing List

- UP Squared i12 Edge