

UP Squared V2 Edge

UP Squared V2 System with Intel® Pentium® Celeron® Processor SoC

Front View



Rear View



Features

- Intel® Pentium® Celeron® Processor SoC
- Onboard LPDDR4 Memory up to 16GB
- Onboard eMMC Storage up to 64GB
- Gb Ethernet (full speed) RJ-45 x 2
- USB 3.2 Type A x 3
- DP 1.2 / HDMI 1.4b
- COM x 1
- Audio Jack (Line out x 1 + Mic in x 1)
- M.2 2230 E-Key x 1
- M.2 2280 M-Key x 1
- SATA3 x 1
- TPM 2.0
- 12V DC-in, 5A

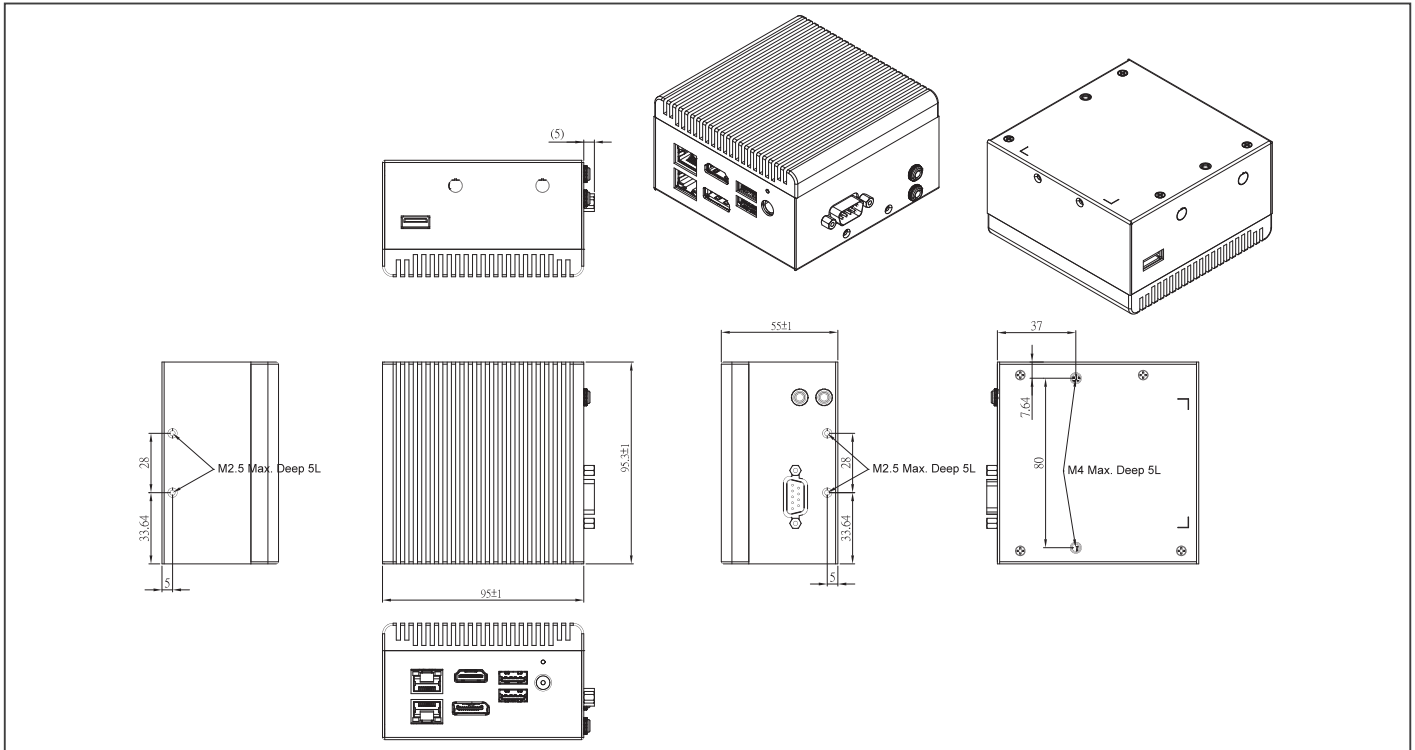


Specifications

System	
CPU	Intel® Celeron® N6210 Processor SoC Intel® Celeron® J6412 Processor SoC Intel® Pentium® J6426 Processor SoC
Memory	Up to 16GB LPDDR4
Graphics	Intel® UHD Graphics
Storage	Up to 64GB eMMC
Ethernet	Gb Ethernet (full speed) RJ-45 x 2
WiFi/BT	Optional with M.2 2230 E-key x 1
Expansion Slot	M.2 2230 E-Key x 1 (PCIe Gen 3.0 [x2], USB 2.0 [x1]) M.2 2280 M-key x 1 (PCIe Gen 3.0 [x2]) SATA 6Gb/s x 1
Security	Onboard TPM 2.0
OS Support	Microsoft Windows 10 (full) Windows IOT Core Ubuntu 20.04 LTS Yocto 3.1
I/O Placements	
USB	USB 2.0 x 2 (via 10 Pin Header x 1) USB 3.2 Gen 2 x 3 (Type-A)
Display Port	HDMI 1.4b x 1 DP 1.2 x 1
Ethernet	Gb Ethernet (full speed) RJ-45 x 2
COM	RS-232/422 x 1
Audio	Line out x 1 Mic in x 1
GPIO	—
POWER Supply	
Power requirement	12V DC-in, 5A
Power supply type	AT/ATX (AT as default)
Power Consumption(Typical)	30~38W
MECHANICAL	
Mounting	VESA Mounting
Dimensions (WxHxD)	3.74" x 3.74" x 2.16" (95 x 95 x 55 mm)
Net Weight	0.99lb (450g)
Gross Weight	1.32lb (600g)
Environment	
Operating Temperature	32°F ~ 140°F (0°C ~ 60°) / 0.5 airflow
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
MTBF	465,586
Certification	CE/FCC Class A, RoHS Compliant, REACH

Dimension

Unit: mm



Ordering Information

Part Number	CPU	Memory	Storage	VPU
UPS-EDGE-EHLCN2-A10-0232	Intel® Celeron® N6210 Processor SoC	2GB	32GB	—
UPS-EDGE-EHLCN2-A10-0432	Intel® Celeron® N6210 Processor SoC	4GB	32GB	—
UPS-EDGE-EHLCJ4-A10-0432	Intel® Celeron® J6412 Processor SoC	4GB	32GB	—
UPS-EDGE-EHLPJ4-A10-0432	Intel® Pentium® J6426 Processor SoC	4GB	32GB	—
UPS-EDGE-EHLPJ4-A10-0864	Intel® Pentium® J6426 Processor SoC	8GB	64GB	—
UPS-EDGE-EHLPJ4-A10-1664	Intel® Pentium® J6426 Processor SoC	16GB	64GB	—
UPS-EDGE-EHLPJ4-A10-0864-HA1LO	Intel® Pentium® J6426 Processor SoC	8GB	64GB	Hailo-8™ M.2 2280 B+M key AI module via m.2 2280

Optional Accessories

Part Number	Description
125530060L	12V.5A.60W Power Adapter w/ multi-country plugs
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

Packing List

- UP Squared V2 Edge