

UP Squared 6000 Edge

UP Squared 6000 System with Intel® Atom® x6000E Pentium® Celeron® Processor SoC

Front View



Rear View



Features

- Intel® Atom® x6000E Pentium® Celeron® Processor SoC
- Onboard LPDDR4 Memory up to 8GB
- Onboard eMMC Storage up to 64GB
- GbE x 1, 2.5GbE x 1 (Intel® i210, i225)
- USB 3.2 x 3 (Type A x 2, Type C x 1)
- 40 pin GPIO x 1
- DP 1.2 / HDMI 2.0b
- COM x 1
- M.2 2230 E-Key / M.2 2280 M-Key / M.2 3052 B-Key x 1
- SATA3 x 1
- TPM 2.0
- 12V DC-in, 6A
- Supports Intel AX210 WiFi 6 via M.2 2230

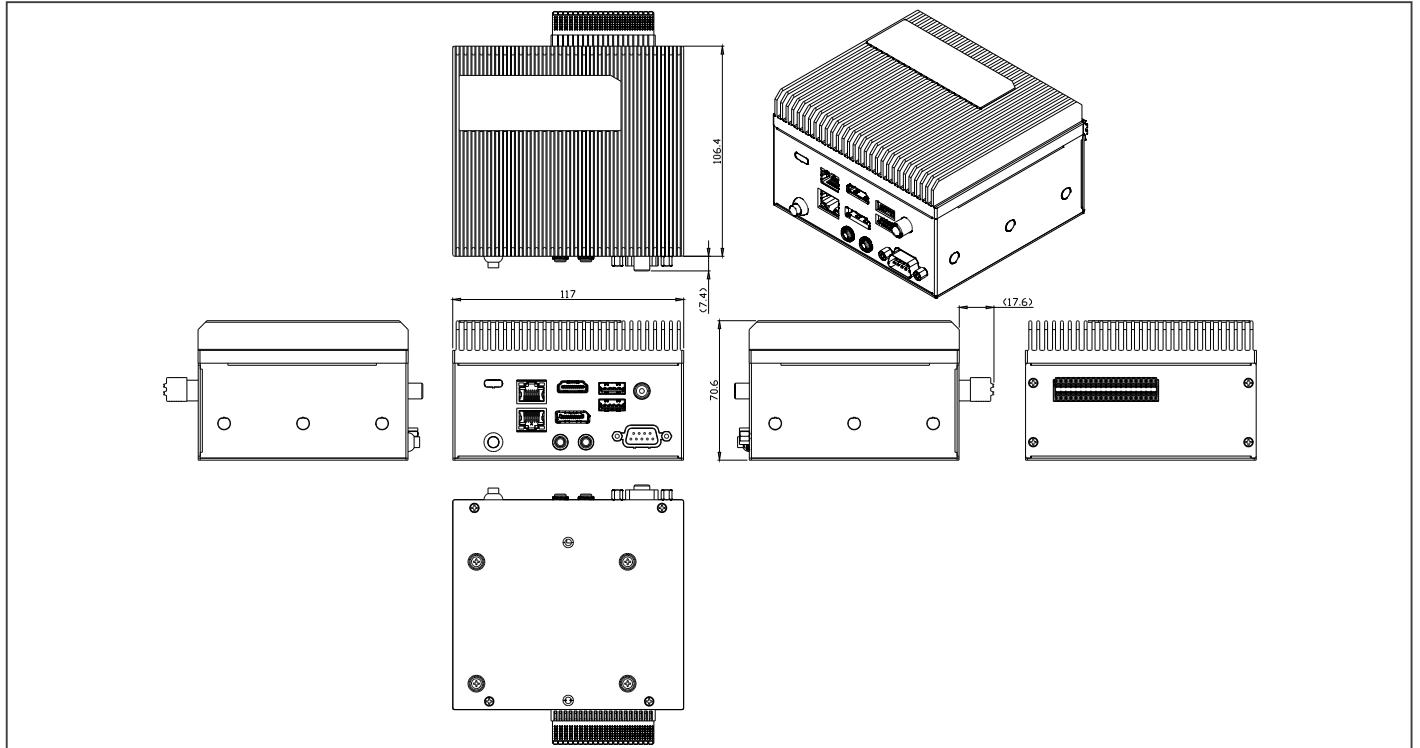


Specifications

System	
CPU	Intel® Atom® X6413E / X6425RE, Celeron® N6210 (no PSE), Pentium® J6426 Processor SoC
Memory	Onboard DDR4, Max 8GB Single Channel: 2 GB Dual Channel: 4 GB, 8 GB
Graphics	Intel® UHD Graphics
Storage	Onboard eMMC 32G/64G Optional with M.2 2280 M-key x 1, SATA3 x 1
Ethernet	GbE x 1, 2.5GbE x 1 Atom: Intel® i210-IT, i225-IT PC Client: Intel® i211-AT, i225-V
WiFi/BT	Optional with M.2 2230 E-key x 1
Audio	Line out x 1 Mic in x 1
USB	USB 3.2 Gen 2 Type A x 2 USB 3.2 Gen 2 Type C (support OTG) x 1 (Limited to Atom series)
Expansion Slot	40 pin GPIO x 1 M.2 2230 E-key x 1 M.2 2280 PCIe Gen3.0x2 M-key x 1 SATA3 x 1 M.2 3052 B-key x 1 Nano SIM slot x 1 TPM 2.0 (Limited to Atom series)
I/O Placements	
Power	DC-in Jack x 1, Power Button x 1
USB	USB 3.2 Gen 2 Type A x 2 USB 3.2 Gen 2 Type C (support OTG) x 1 (Limited to Atom series)
Display Port	HDMI 2.0b x 1 DP 1.2 x 1
Ethernet	RJ45 x 2
COM	RS232/RS422 x 1 (Limited to Atom series)
Environment	
Power	12V DC-in (Lockable plug)
Form Factor	4.6" x 4.2" x 2.8" (11.7 x 10.6 x 7 cm)
Gross Weight	2.31lb (1.05Kg)
Operating Temperature	With Heatsink: 32°F ~ 140°F (0°C ~ 60°C) with air flow 0.5m/s
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Certification	CE/FCC Class A, RoHS Compliant, REACH
OS Support	Microsoft Windows 10 (full), Windows IoT Core Linux: Ubuntu 20.04 LTS, Yocto 3.1

Dimension

Unit: mm



Ordering Information

Part number	CPU	Memory	Storage	USB 3.2 Type C	COM Port	TPM 2.0	LAN
UPN-EDGE-EHLCN2-A10-0232	PC Client: N6210 (No PSE)	2GB	32GB	No	No	No	i211-AT / i225-V
UPN-EDGE-EHLPJ4-A10-0432	PC Client: J6426	4GB	32GB	No	No	No	i211-AT / i225-V
UPN-EDGE-EHLX4E-A10-0432	Embedded: X6413E	4GB	32GB	Yes	Yes	Yes	i210-IT / i225-IT
UPN-EDGE-EHLX4RE-A10-0864	Industrial: X6425RE	8GB	64GB	Yes	Yes	Yes	i210-IT / i225-IT

Packing List

- 40Pin Phoenix Connector
- Quick Start Guide
- UP Squared 6000 Edge

Optional Accessories

Part Number	Description
1255X00032	12VDC/6A Adapter
1702031803	Power cord for EU
1702031802	Power cord for US
170203180J	Power cord for UK
170203180E	Power cord for Japan
170203180B	Power cord for China
1702031811	Power cord for Taiwan
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