

# UP Squared 6000 Edge **PRELIMINARY**

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 3042/3052 B-Key x 1
- SATA3 x 1
- TPM 2.0
- 12V DC-in, 6A

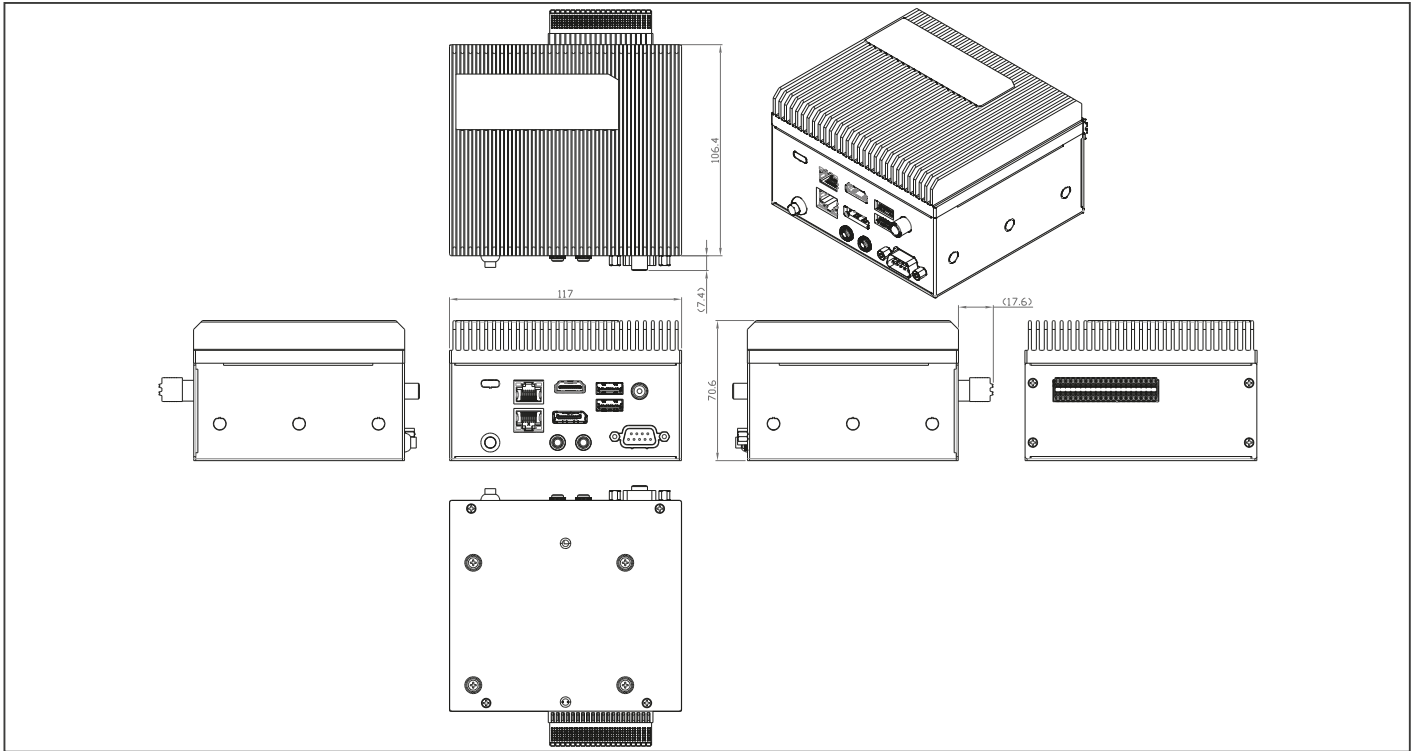


## Specifications

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 3042/3052 B-key x 1 Micro 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	TBD
Operating Temperature	With Heatsink: 32°F ~ 140°F (0°C ~ 60°) 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-EHLN2-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

- UP Squared 6000 Edge
- 40Pin Phoenix Connector

## Optional Accessories

Part Number	Description
EP-PS12V6A72WFJ	Power Supply Unit 12V@6A, 72 Watt
EP-PS12V8A96WUPX	Power Supply Unit 12V@8A, 96 Watt
EP-CBPC250V3PEU	Power cord (EU plug)
EP-CBPC125V3PUS	Power cord (U.S. plug)
EP-CBPC250V3PUK	Power cord (UK plug)
RE-WFKIT-9260NVP	Intel® Wireless-AC 9260 M.2 2230 WiFi kit
EP-SSM280256TKS	M.2 SSD 2280 256GB, PCIe Gen3 x 4, M Key, 3D TLC, Kingston
RE-FM5G150NA210	5G module North America M.2 3052 with RF cable and Antenna
RE-FM5G150AE210	5G module Asia(excl China)/Europe/Australia M.2 3052 with RF cable and Antenna