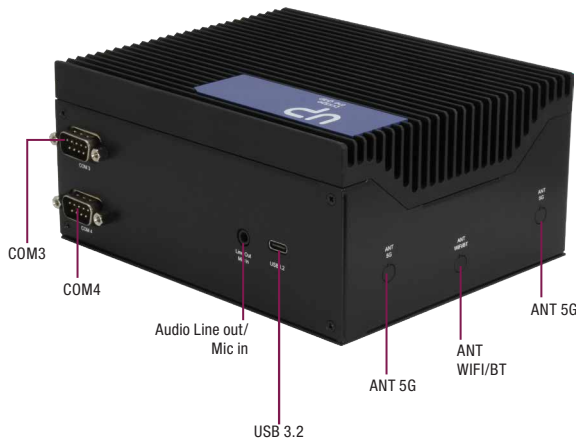
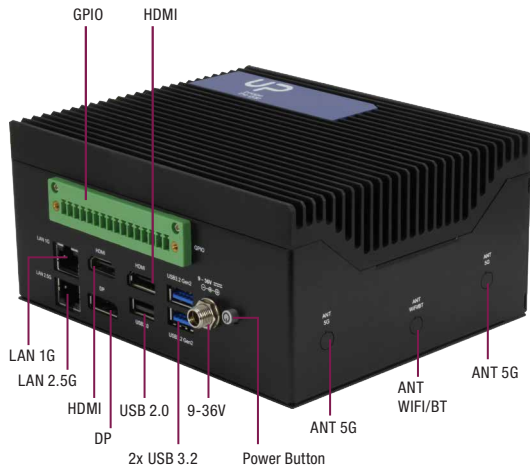


UP Xtreme i14 Edge Computing Kit

PRELIMINARY

UP Xtreme i14 system with Intel® Core™ Ultra 7 Processor SoC



Features

- Intel® Core™ Ultra 7 Processors
- Onboard Dual Channel LPDDR5 6400, 32GB
- Up to 4 Simultaneous Displays
- 2x M.2 2280 M-Key, 1 slot is used by 256GB NVMe SSD
- 1x M.2 3052 B-Key (5G)
- 1x M.2 2230 E-Key (Wi-Fi/BT)
- 1x 2.5GbE, 1x GbE
- 2x USB Type A (USB 3.2 Gen 2)
- 1x USB Type C (USB 3.2 Gen 2 / DP 1.4)
- Onboard TPM 2.0
- Wide DC Input 9-36V
- Pre-installed Ubuntu, pre-validated to work with Ubuntu Pro



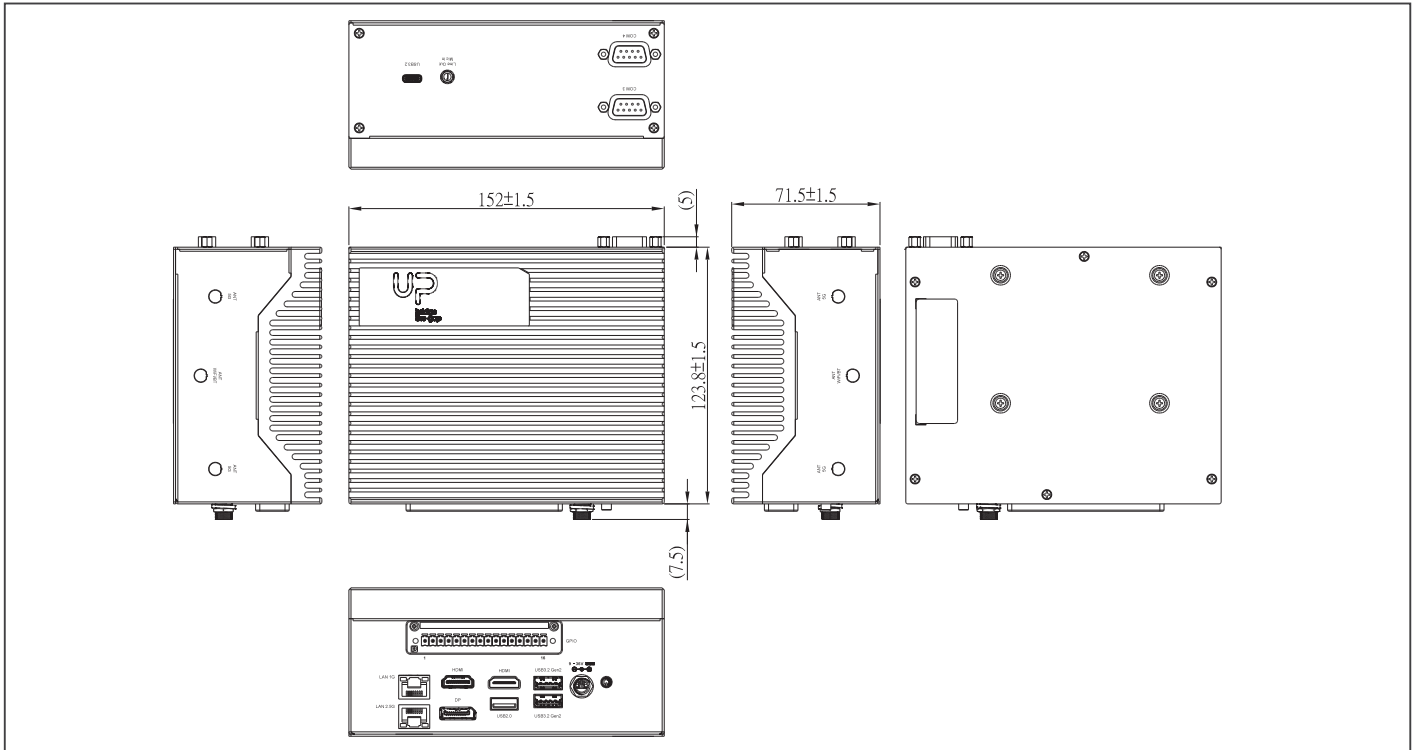
Specifications

System	
CPU	Intel® Core™ Ultra 7 processor 155H (24M Cache, up to 4.80 GHz)
Memory	32GB onboard LPDDR5 (Dual-Channel)
Graphics	Intel® Arc™ graphics
Storage	256GB M.2 PCIe Gen 4 [x4] SSD
Ethernet	1x 2.5GbE (via Intel® Ethernet Controller I226-IT) 1x GbE (Intel® Ethernet Connection I219)
WiFi/BT	1x M.2 2230 E-key
Expansion Slot	1x 40-pin GPIO 1x M.2 2230 E-Key (PCIe Gen 3 [x1], USB 2.0) 2x M.2 2280 M-Key (PCIe Gen 4 [x4]); 1 slot is used by 256GB NVMe SSD 1x M.2 3052 B-Key (PCIe Gen 3 [x1], USB 3.2 Gen 2 [x1]) with Nano SIM slot (USB 3.0) 1x SATA 6Gb/s
Security	Onboard TPM 2.0
Preinstalled OS	Ubuntu 24.04/Kernel 6.5 up, with Ubuntu Pro license sticker
I/O Placements	
USB	2x USB 2.0 (from 1x 10 pin header) 1x USB 2.0 (Type-A) 2x USB 3.2 Gen 2 (Type-A) 1x USB 3.2 Gen 2 (Type-C)
Display Port	2x HDMI 2.1 1x DP 2.1 1x DP 1.4 via USB Type-C
Ethernet	1x 2.5GbE (via Intel® Ethernet Controller I226-IT), 1x GbE (Intel® Ethernet Connection I219)
COM	2x RS-232/422/485
Audio	1x Audio Jack (Mic-in+Line-out)
GPIO	1x 16-pin terminal block connector
POWER Supply	
Power requirement	9-36V DC-in (Lockable plug)
Power supply type	AT/ATX (ATX as default)
Power Consumption(Typical)	TBD
MECHANICAL	
Mounting	VESA Mount/Wall Mount(optional)
Dimensions (WxHxD)	5.98" x 4.87" x 2.81" (152mm x 123.8mm x 71.5mm)
Net Weight	2.95 lbs (1.34kg)
Gross Weight	3.88 lbs (1.76kg)
Environment	
Operating Temperature	0°C~60°C with 0.5 airflow
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
MTBF	TBD
Certification	CE/FCC Class A, RoHS Compliant, REACH

UP Xtreme i14 Edge Computing Kit

Dimension

Unit: mm



Packing List

- UP Xtreme i14 Edge Computing Kit with Ubuntu Pro license sticker

Ordering Information

Part Number	CPU	Core	Memory	Storage	Heatsink
UPX-EDGE-MTL155H-A10-32256-U01	Intel Core Ultra 7 155H	6P+8E+2LPE	32GB	256GB	Fanless

Optional Accessories

Part Number	Description
1255X00071	(TF)AC/DC Adapter.Input 100V~240V.output DC 19V.120W.6.32A.DC JACK w/Lock. FSP. FSP120-ABAN3/9NA1208548
EP-CBPC125V3PLUS	US Power Cord Plug 10A 125V Connector SP-305B+IS-14 SVT 18/3 60 0.75mm 1800±30mm cable length Black UL
EP-CBPC250V3PEU	EU Power Cord Plug 16A 250V Connector 10A 250V VDE H05VV-F 3G 0.75mm 1800±30mm cable length
EP-CBPC250V3PUK	UK Power Cord Plug 13A 250V 3X 0.75mm*1800±30mm cable length
RE-WFKIT-9260NVP	Intel 9260 Wifi Kit ,Intel® Wireless-AC 9260, 802.11AC, 2x2 AC+BT, M.2 2230 No vPro with 2X External Antennas & 2 X RF Cables and integrated Antennas 2.4GHz/5GHz
RE-UP4GEM05-GFA	M.2 3042 B key Cat4 4G LTE kit w/RF cable & antenna,Global band Quectel EM05-G
RE-UPSATAPACK01	SATA Power Cable.15P and SATA Data Cable, 7P female to female 500mm

*an additional thermal kit is required when SSD or 5G module is installed.

*SATA cable and SATA power cable is required when using a SATA SSD