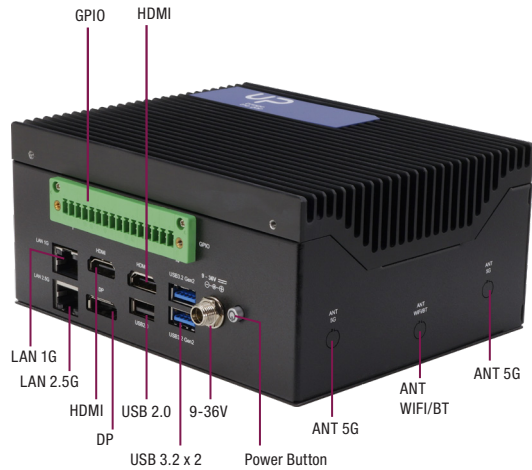


UP Xtreme ARL Edge

UP Xtreme ARL system with Intel® Core™ Ultra 5/7 Processors



Features

- Intel® Core™ Ultra 5/7 Processors
- Onboard Dual Channel LPDDR5 6400, up to 64GB
- Up to 4 Simultaneous Displays
- M.2 2280 M-Key x 2
- M.2 3052 B-Key x 1 (5G)
- M.2 2230 E-Key x 1 (Wi-Fi/BT)
- 2.5GbE x 1, GbE x 1
- USB 3.2 Gen 2 (Type A x 2)
- Onboard TPM 2.0
- Wide DC Input 9-36V

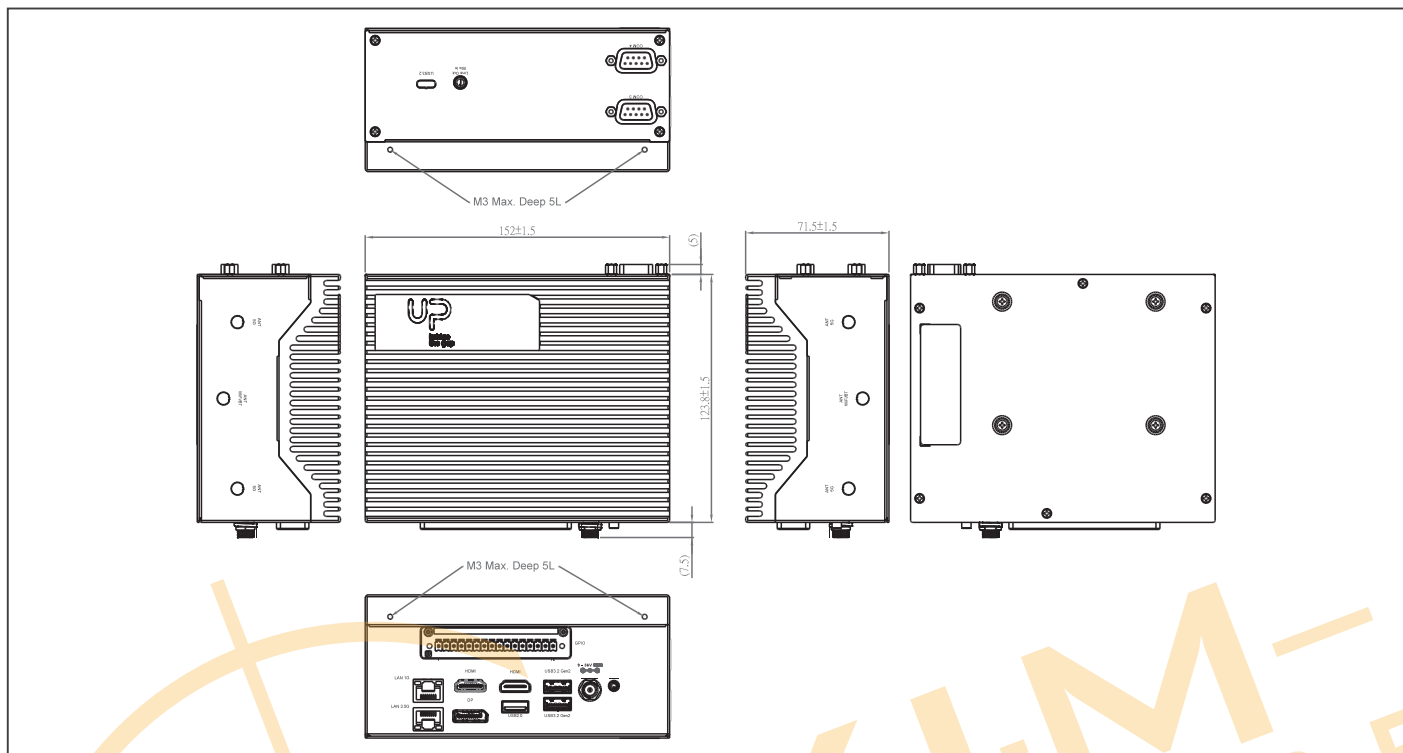


Specifications

System	
CPU	Intel® Core™ Ultra 5 processor 225H (18M Cache, up to 4.90 GHz) Intel® Core™ Ultra 7 processor 255H (24M Cache, up to 5.10 GHz) Intel® Core™ Ultra 7 processor 265H (24M Cache, up to 5.30 GHz)
Memory	Up to 64GB onboard LPDDR5 (Dual-Channel)
Graphics	Intel® Arc™ graphics
Storage	M.2 2280 M-Key x 2 SATA 6Gb/s x 1
Ethernet	2.5GbE x 1 (via Intel® Ethernet Controller I226-IT) GbE x 1 (Intel® Ethernet Connection I219)
WiFi/BT	M.2 2230 E-key x 1
Expansion Slot	40-pin GPIO x 1 M.2 2230 E-Key x 1 (PCIe Gen 3 [x1], USB 2.0) M.2 2280 M-Key x 2 (PCIe Gen 4 [x4]) M.2 3052 B-Key x 1 (PCIe Gen 3 [x1], USB 3.2 Gen 2 [x1]) with Nano SIM slot (USB 3.0) SATA 6Gb/s x 1
Security	Onboard TPM 2.0
OS Support	Windows® 11 LTSC Ubuntu: 24.04 LTS Yocto: 5.1
I/O Placements	
USB	USB 2.0 x 2 (from 10 pin header x 1) USB 2.0 (Type-A) x 1 USB 3.2 Gen 2 (Type-A) x 2
Display Port	HDMI 2.1 x 2 DP 2.1 x 1
Ethernet	2.5GbE x 1 (via Intel® Ethernet Controller I226-IT), GbE x 1 (Intel® Ethernet Connection I219)
COM	RS-232/422/485 10-pin header x 2
Audio	Audio Jack x 1 (Mic-in+Line-out)
GPIO	16-pin terminal block connector x1
Power Supply	
Power requirement	9-36V DC-in (Lockable plug)
Power supply type	AT/ATX (ATX as default)
Power Consumption(Typical)	57.6W ~ 86.4W
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	-4°F ~ 140°F (-20°C ~ 60°C), 0.7m/s airflow
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
MTBF	1,014,016
Certification	CE/FCC Class A, RoHS Compliant, REACH

Dimension

Unit: mm



Ordering Information

Part Number	CPU	Core	Memory	Heatsink
UPX-EDGE-ARL225H-A10-1600	Intel® Core™ Ultra 5 processor 225H (18M Cache, up to 4.90 GHz)	4P+8E+2LPE	16GB	Fanless
UPX-EDGE-ARL225H-A10-3200	Intel® Core™ Ultra 5 processor 225H (18M Cache, up to 4.90 GHz)	4P+8E+2LPE	32GB	Fanless
UPX-EDGE-ARL255H-A10-3200	Intel® Core™ Ultra 7 processor 255H (24M Cache, up to 5.10 GHz)	6P+8E+2LPE	32GB	Fanless
UPX-EDGE-ARL265H-A10-6400	Intel® Core™ Ultra 7 processor 265H (24M Cache, up to 5.30 GHz)	6P+8E+2LPE	64GB	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
170203180J	Power Cord for UK
170X000799	Power Cord for USA
170X000800	Power Cord for EU
170X000815	Power Cord for China
170X000806	Power Cord for Taiwan
170X000803	Power Cord for Japan
170X000810	Power Cord for South Korea
170X000805	Power Cord for Switzerland
1702150155	Power Cable.15P SATA(F).2P 2.0mm, Housing(PH).15cm
1700070200	SATA CABLE.7P 180D(F) w/lock.to 7P 90D(F) w/o, lock SATA.20cm
9651210000	Wireless LAN Kit M.2 2230 802.11ac/a/b/g/n + BT5.2,2.4G/5G/6G,with 2 set of cable & antenna (Intel AX210)
UPX-M2THERMAL-A10-0002	M.2 2280 IO side thermal Kit for UPX-EDGE-ADLP01/ UPX-EDGE-MTL01
UPX-VESAKIT-A10-0001	VESA/Wallmount kit for UPX-EDGE-ADLP/UPX-EDGE-MTL/ UPX-EDGE-ARL

Packing List

- UP Xtreme ARL Edge
- UPX-M2 THERMAL-A10-0002

*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

Disclaimer

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All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.





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