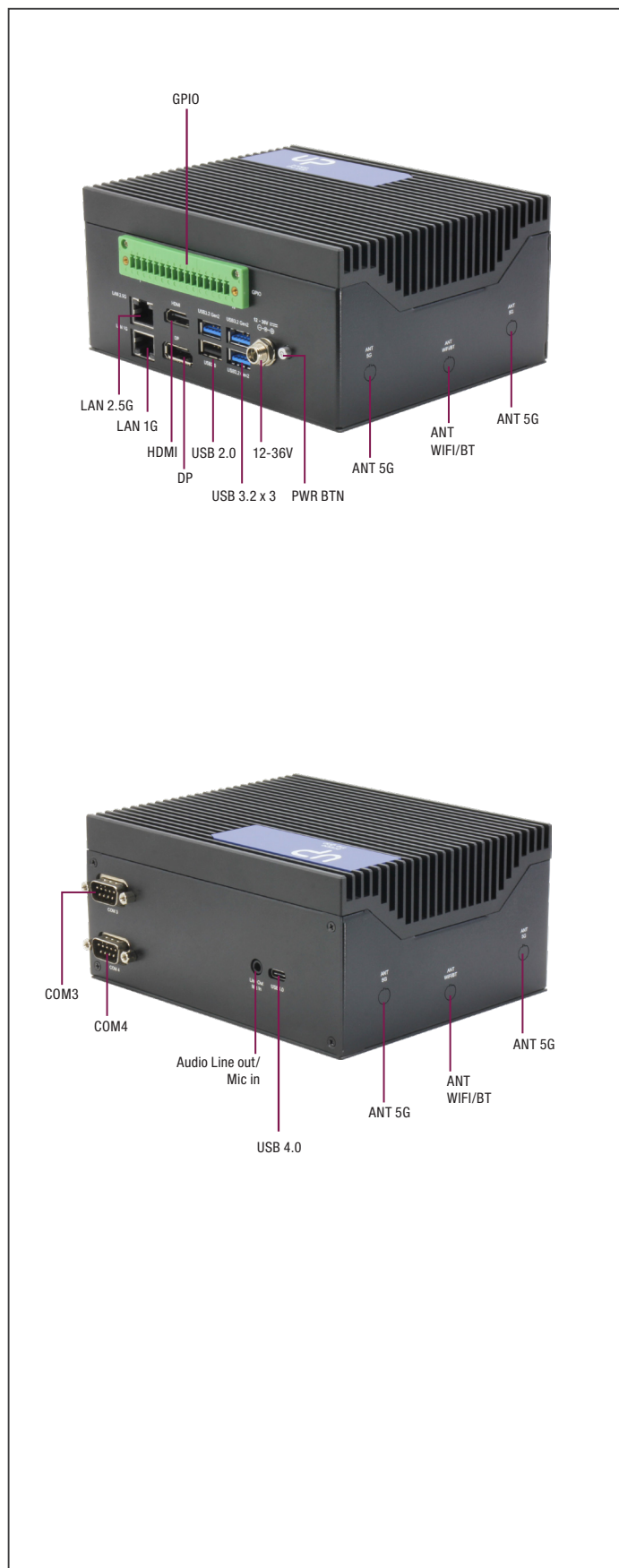


# UP Xtreme i12 Edge



UP Xtreme i12/13 system with 12th/13th Generation Intel® Core™ i7/i5/i3/Celeron® Processor SoC



## Features

- 12th/13th Generation Intel® Core™ i7/i5/i3/Celeron® Processor SoC
- Onboard Dual Channel LPDDR5, up to 32GB
- Support 4 independent displays up to 4K @60Hz
- M.2 2280 M-Key x 2 (PCIe Gen 4)
- M.2 3052 B-Key x 1
- Intel® AX210 WiFi 6 support
- TPM 2.0
- USB 4.0
- Up to 2.5GbE LAN speed
- Wide Range 12V~36V Power Input



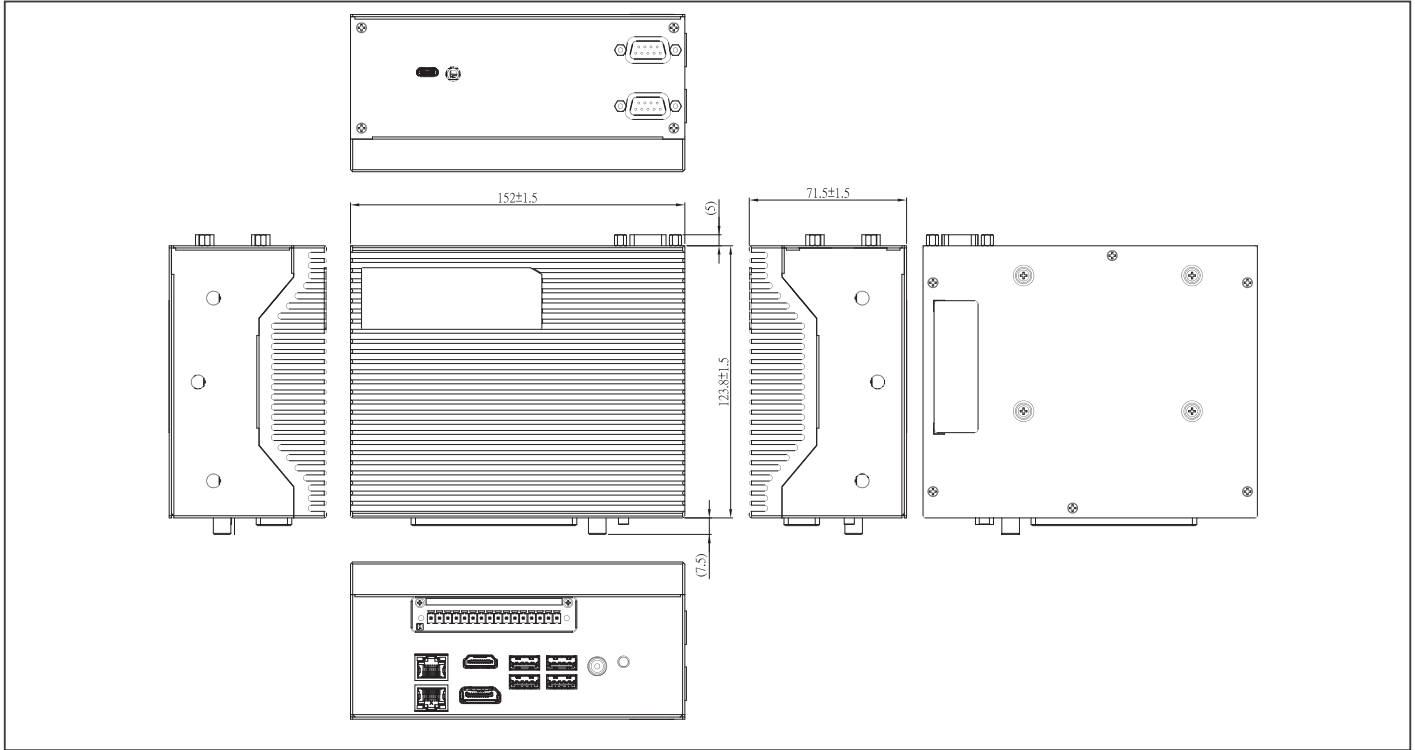
## Specifications

System	
CPU	12th Gen Intel® Core™ Processor SoC Intel® Core™ i7-1270PE, Intel® Core™ i7-1260P, Intel® Core™ i5-1250PE, Intel® Core™ i5-1240P, Intel® Core™ i3-1220PE, Intel® Celeron® 7305E 13th Gen Intel® Core™ Processor SoC Intel® Core™ i7-1370PE, Intel® Core™ i7-1360P, Intel® Core™ i5-1340PE, Intel® Core™ i3-1320PE
Memory	Up to 32GB onboard LPDDR5
Graphics	Intel® Iris® Xe graphics VPU: Hailo-8™ M.2 2280 B+M key AI module via m.2 2280 (Optional by SKU from ordering information)
Storage	M.2 2280 M-Key x 2 (PCIe Gen 4.0 [x4]) (an additional thermal kit is required when SSD is installed) SATA 6Gb/s x 1
Ethernet	Intel® I226-IT x 1 (TSN), Intel® I219 x 1 (vPRO)
WiFi/BT	Optional with M.2 2230 E-key x 1
Expansion Slot	40-pin GPIO x 1 M.2 2230 E-Key x 1 M.2 2280 M-Key x 2 (PCIe Gen 4.0 [x4]) SATA 6Gb/s x 1 M.2 3052 B-Key x 1 (an additional thermal kit is required when 5G module is installed) Nano SIM Slot x 1
Security	Onboard TPM 2.0
OS Support	Windows® 10 Enterprise 2021 LTSC, Ubuntu 22.04, Yocto 4.0
I/O Placements	
USB	USB 2.0 (Type-A) x 1, USB 3.2 Gen 2 (Type-A) x 3, USB 4.0 (Type-C) x 1
Display Port	HDMI 2.0b x 1 DP 1.4a x 1 DP 1.4a x 1 (via USB Type-C) eDP 1.4b x 1
Ethernet	RJ45 x 2
COM	RS-232/422/485 x 2
Audio	Audio Jack x 1 (Mic-in+Line-out)
GPIO	16-pin terminal block connector x1
POWER Supply	
Power requirement	12-36V DC-in (Lockable plug)
Power supply type	AT/ATX (ATX as default)
Power Consumption(Typical)	Intel® Core™ i7-1270PE, LPDDR5 4800MHz 16GB, 5.86A@+ 12V (Typical) Intel® Core™ i7-1270PE, LPDDR5 4800MHz 16GB, 8.05A@+ 12V (Max)
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	With Cooler: 32°F ~ 140°F (0°C ~ 60°C), 0.5m/s airflow
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
MTBF	366,810 Hours
Certification	CE/FCC Class A, RoHS Compliant, REACH



## Dimension

Unit: mm



## Packing List

- UP Xtreme i12 Edge
- SATA cable
- SATA power cable

## Ordering Information

Part Number	CPU	Core	Memory	Storage	Heatsink	VPU
UPX-EDGE-ADLPCR-A10-0864	Intel® Celeron® 7305E	1P+4E	8GB	64GB 2.5" SSD	FANLESS	—
UPX-EDGE-ADLPI3-A10-08128	Intel® Core™ i3-1220PE	4P+4E	8GB	128GB 2.5" SSD	FANLESS	—
UPX-EDGE-ADLPI5-A10-16128	Intel® Core™ i5-1250PE	4P+8E	16GB	128GB 2.5" SSD	FANLESS	—
UPX-EDGE-ADLPI7-A10-16128	Intel® Core™ i7-1270PE	4P+8E	16GB	128GB 2.5" SSD	FANLESS	—
UPX-EDGE-ADLPI5C-A10-16128	Intel® Core™ i5-1240P	4P+8E	16GB	128GB 2.5" SSD	FANLESS	—
UPX-EDGE-ADLPI7C-A10-16128	Intel® Core™ i7-1260P	4P+8E	16GB	128GB 2.5" SSD	FANLESS	—
UPX-EDGE-RAPI3-A11-08128	Intel® Core™ i3-1320PE	4P+4E	8GB	128GB 2.5" SSD	FANLESS	—
UPX-EDGE-RAPI5-A11-16128	Intel® Core™ i5-1340PE	4P+8E	16GB	128GB 2.5" SSD	FANLESS	—
UPX-EDGE-RAPI7-A11-16128	Intel Core i7-1370PE	6P+8E	16GB	128GB 2.5" SSD	FANLESS	—
UPX-EDGE-RAPI7C-A11-16128	Intel Core i7-1360P	4P+8E	16GB	128GB 2.5" SSD	FANLESS	—
UPX-EDGE-ADLPI5-A10-16128-HALO	Intel® Core™ i5-1250PE	4P+8E	16GB	128GB 2.5" SSD	FANLESS	Halo-8™ M.2 2280 B+M key AI module via m.2 2280

## 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
170X000799	Power Cord for USA
170X000800	Power Cord for EU
170X000803	Power Cord for Japan
9741364A00	Wireless LAN Kit M.2 2230 802.11ac/a/b/g/n + BT4.0, 2T2R, with 2 sets of cable & antenna (Enli, OCNFA364A)
9651926001	(TF), M.2 2230 WiFi Kit, 802.11ac, 2.4G/5G, W/BT Intel, 9260, NGWG, NV, 958867 w/2 cable & antenna
9651210000	Wireless LAN Kit M.2 2230 802.11ac/a/b/g/n + BT5.2, 2.4G/5G/6G, with 2 sets of cable & antenna (Intel AX210)
UPX-VESAKIT-A10-0001	VESA/Wallmount kit for UPX-EDGE-ADLP

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