

# UP Xtreme 7100 Edge

UP Xtreme 7100 System powered by Intel® Processor N-series, and Intel® Core™ i3-N305 Processor



## Features

- Intel® Processor N-series and Intel® Core™ i3-N305 Processor SoC
- Low power consumption
- 2.5GbE x 2 (Intel® I226-IT)
- 2-channel CAN 2.0B x 1
- Watchdog timer, Onboard TPM 2.0
- DIO/GPIO via Terminal Block
- Cable-free design
- Wide 9V~36V power input
- Fanless design

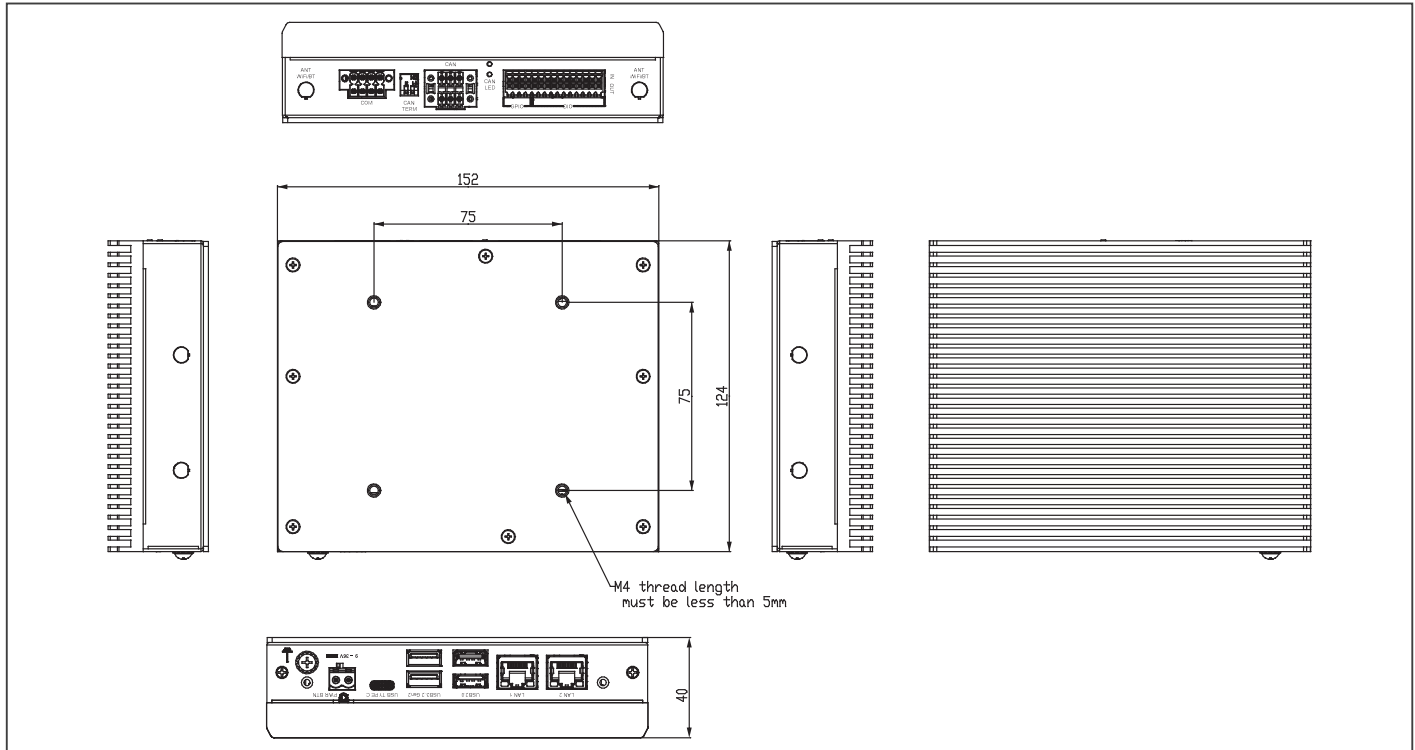


## Specifications

System	
CPU	Intel® Core™ i3-N305 Intel® Processor N97
Memory	Up to 16GB LPDDR5
Graphics	Intel® UHD Graphics for 12th Gen Intel® Processors
Storage	Up to 64GB eMMC
Ethernet	2.5GbE x 2 (Intel® I226-IT)
WiFi/BT	Optional with M.2 2230 E-key x 1
Expansion Slot	M.2 3052 B-Key x 1 with Nano SIM slot (USB 3.0) M.2 2230 E-Key x 1 (USB 2.0/PCIe) M.2 2280 M-Key x 1 (PCIe Gen 3 [x2]) 24V 8-in/8-out Digital I/O x 1 via Terminal Block (Output current: 500mA per channel) 6 pin 2-channel CAN 2.0B x 1 via Terminal Block (10 ~ 1000 kbps) DIP Switch for CANBus function x 1 CAN LED indicator x 2 SATA III x 1
Security	Onboard TPM 2.0
OS Support	Ubuntu 22.04 LTS (Kernel 5.15 and kernel 5.19)
I/O Placements	
USB	USB 2.0 (Type-A) x 2 USB 3.2 (Type-A) x 2 USB 3.2 Gen 2 (Type-C) x 1 (Supports DP alt mode)
Display Port	DP 1.4a x 1 (via USB Type-C)
Ethernet	RJ45 x 2
COM	RS-232/422/485 x 1 (Terminal Block) (Default RS232)
Audio	—
GPIO	6 pin GPIO x 1 via Terminal Block
POWER Supply	
Power requirement	9-36V
Power supply type	AT/ATX (AT as default)
Power Consumption(Typical)	52W~55W
MECHANICAL	
Mounting	75mm x 75mm VESA mount, optional Wall mount kit
Dimensions (WxHxD)	5.98" x 4.8" x 1.7" (152mm x 124mm x 40mm)
Net Weight	2.21lb (1.0Kg)
Gross Weight	3.31lb (1.5Kg)
Environment	
Operating Temperature	32°F ~ 131°F (0°C ~ 55°C)/0.5m/s airflow
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
MTBF	421,998
Certification	CE/FCC Class A, RoHS Compliant, REACH

## Dimension

Unit: mm



## Packing List

- UPX-EDGE-ASL01 x 1
- DC in Phoenix
- Block Connector x 1
- RS232/422/485 Block x 1
- DIO/GPIO Phoenix Connector x 1
- CAN Phoenix Connector x 2

## Ordering Information

Part Number	CPU	CORE	MEMORY
UPX-EDGE-ASLN97-A10-0864	Intel® Processor N97	8GB	64GB
UPX-EDGE-ASLN13-A10-1664	Intel® Core™ i3-N305	16GB	64GB

## Optional Accessories

Part Number	Description
1255X00091	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
9651210000	Wireless LAN Kit M.2 2230 802.11ax/ac/a/b/g/n + BT5.2,2.4G/5G/6G,with 2 sets of cable & antenna
9651UPEG00	Wall Mount Bracket kit 183*125*4mm
9651UPEG01	Shock Absorbers kit