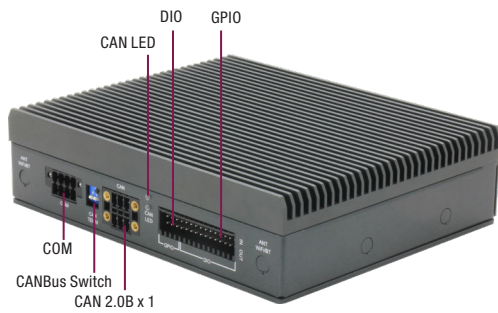
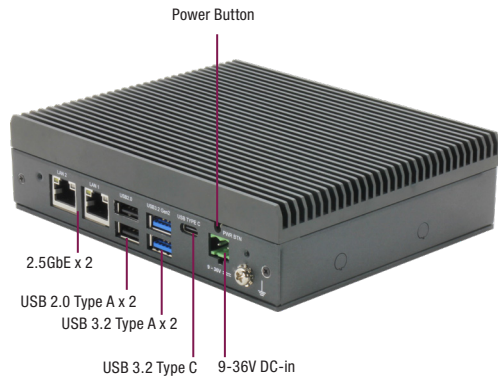


# UP Xtreme 7100 Edge

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

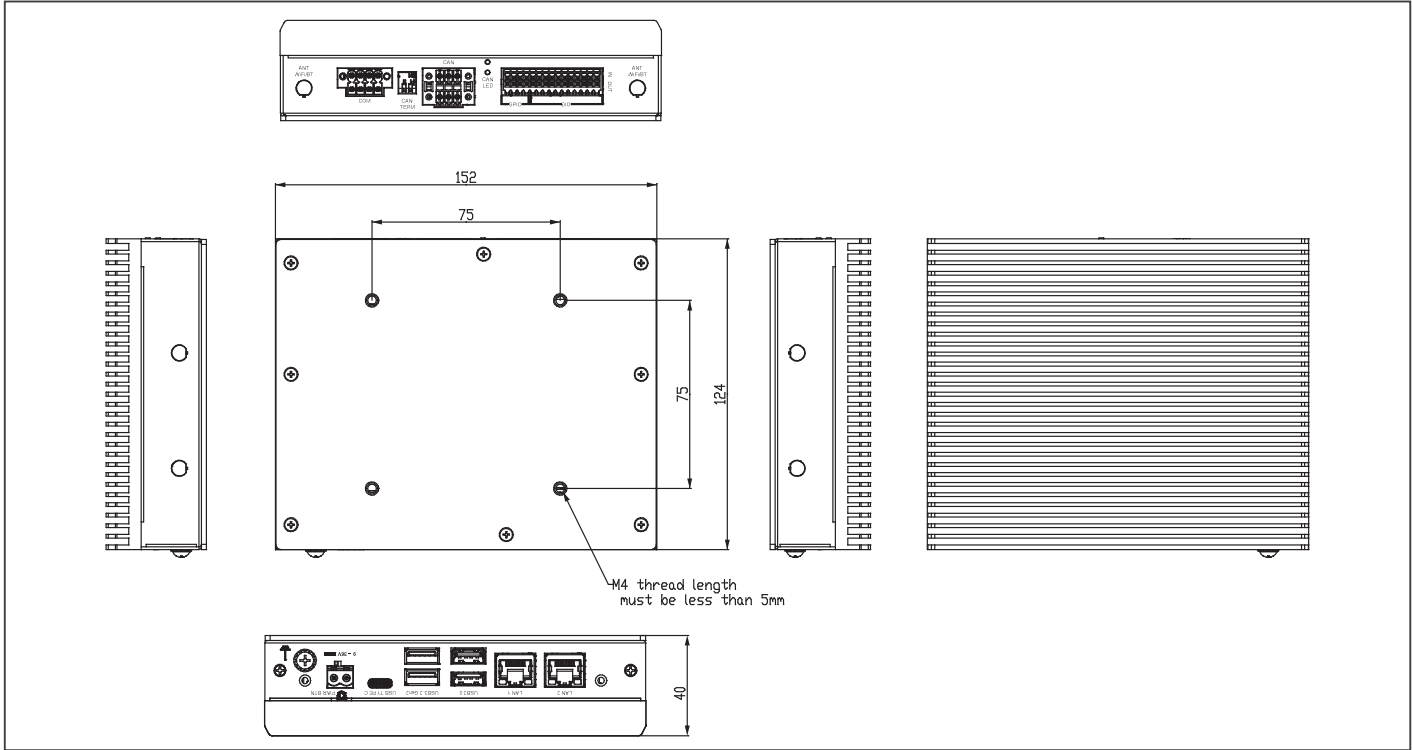


## Specifications

| System                     |  |
|----------------------------|--|
| CPU                        | Intel® Core™ i3-N305<br>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)<br>M.2 2230 E-Key x 1 (USB 2.0/PCIe)<br>M.2 2280 M-Key x 1 (PCIe Gen 3 [x2])<br>24V 8-in/8-out Digital I/O x 1 via Terminal Block (Output current: 500mA per channel)<br>6 pin 2-channel CAN 2.0B x 1 via Terminal Block (10 ~ 1000 kbps)<br>DIP Switch for CANBus function x 1<br>CAN LED indicator x 2<br>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<br>USB 3.2 (Type-A) x 2<br>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                  | Memory | Storage |
|--------------------------|----------------------|--------|---------|
| 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  |
| 170X000800  | Power cord for EU   |
| 170X000799  | Power cord for US   |
| 170203180J  | Power cord for UK   |
| 170X000803  | Power cord for Japan  |
| 170X000815  | Power cord for China  |
| 170X000806  | 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   |