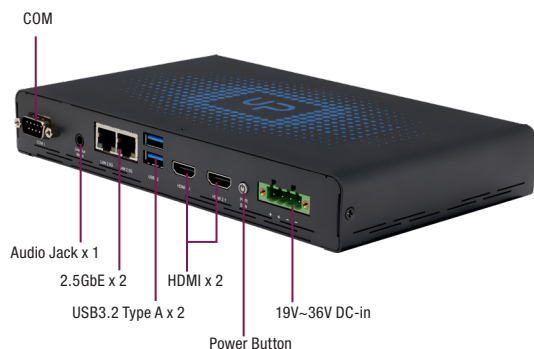


# UP Xtreme PTL Edge Air

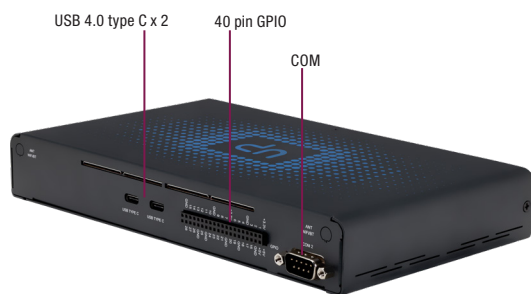
UP Xtreme System with Intel® Core Ultra Series 3 Processors



Front View



Rear View



## Features

- Intel® Core Ultra Series 3 Processors
- DDR5 SODIMM × 2, Dual Channel, up to 128GB, up to 7200 MT/s
- Up to 4 Simultaneous Displays
- M.2 2280 M-Key x 2
- M.2 2230 E-Key x 1 (Wi-Fi/BT)
- 2.5GbE x 2
- USB 3.2 Gen 2 (Type-A) x 2, USB 4.0 (Type-C) x 2
- Onboard TPM 2.0
- Wide DC Input 19-36V



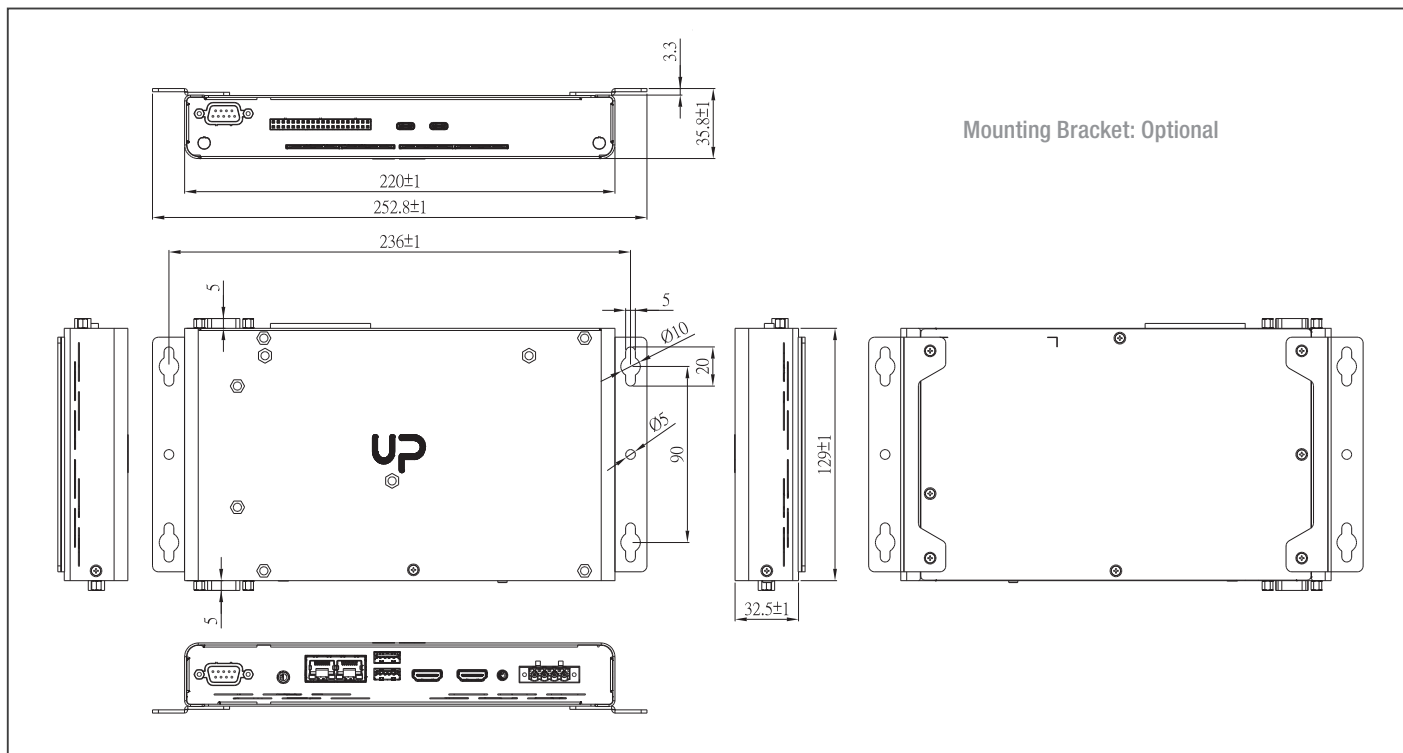
## Specifications

| System                     |                                                                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU                        | Intel® Core™ Ultra 5 processor 325 (12M Cache, up to 4.50 GHz)<br>Intel® Core™ Ultra 7 processor 356H (18M Cache, up to 4.70 GHz)<br>Intel® Core™ Ultra X7 processor 358H (18M Cache, up to 4.80 GHz) |
| Memory                     | DDR5 SODIMM × 2, Dual Channel, up to 128GB, up to 7200 MT/s                                                                                                                                           |
| Graphics                   | Intel® Core™ Ultra 5 processor 325 - Intel® Graphics<br>Intel® Core™ Ultra 7 processor 356H - Intel® Graphics<br>Intel® Core™ Ultra X7 processor 358H - Intel® Arc™ B390 GPU                          |
| Storage                    | M.2 2280 M-Key x 2                                                                                                                                                                                    |
| Ethernet                   | 2.5GbE x 2 (via Intel® Ethernet Controller I226-IT)                                                                                                                                                   |
| WIFI/BT                    | M.2 2230 E-key x 1                                                                                                                                                                                    |
| Expansion Slot             | 40-pin GPIO x 1<br>M.2 2230 E-Key x 1 (PCIe Gen 4 [x1], USB 2.0)<br>M.2 2280 M-Key x 2 (PCIe Gen 4 [x4], PCIe Gen 5 [x4])                                                                             |
| Security                   | Onboard TPM 2.0                                                                                                                                                                                       |
| OS Support                 | Windows 11 IoT Enterprise<br>Ubuntu 24.04 LTS                                                                                                                                                         |
| I/O Placements             |                                                                                                                                                                                                       |
| USB                        | USB 3.2 Gen 2 (Type-A) x 2<br>USB 4.0 (Type-C) x 2                                                                                                                                                    |
| Display Port               | HDMI 2.1 x 2<br>DP 2.1 x 2 via USB 4.0 Type-C                                                                                                                                                         |
| Ethernet                   | 2.5GbE x 2 (via Intel® Ethernet Controller I226-IT)                                                                                                                                                   |
| COM                        | RS-232/422/485 x 2                                                                                                                                                                                    |
| Audio                      | Audio Jack x 1 (Mic-in+Line-out)                                                                                                                                                                      |
| GPIO                       | 40-pin GPIO x 1                                                                                                                                                                                       |
| Power Supply               |                                                                                                                                                                                                       |
| Power requirement          | 19-36V DC-in                                                                                                                                                                                          |
| Power supply type          | AT/ATX                                                                                                                                                                                                |
| Power Consumption(Typical) | 100W                                                                                                                                                                                                  |
| Mechanical                 |                                                                                                                                                                                                       |
| Mounting                   | Wallmount(optional)                                                                                                                                                                                   |
| Dimensions (WxHxD)         | 9.3" × 5.1" × 1.4" (236mm x 129mm x 35.8mm)                                                                                                                                                           |
| Net Weight                 | 1.57 lb (0.71Kg)                                                                                                                                                                                      |
| Gross Weight               | 2.67 lb (1.21Kg)                                                                                                                                                                                      |
| Environment                |                                                                                                                                                                                                       |
| Operating Temperature      | 14°F ~ 113°F (-10°C ~ 45°C), 0.7m/s airflow                                                                                                                                                           |
| Operating Humidity         | 0% ~ 90% relative humidity, non-condensing                                                                                                                                                            |
| Storage Temperature        | -40°F ~ 176°F (-40°C ~ 80°C)                                                                                                                                                                          |
| MTBF (Hours)               | 971,676                                                                                                                                                                                               |
| Certification              | CE/FCC Class A, RoHS Compliant, REACH                                                                                                                                                                 |



## Dimension

Unit: mm



## Ordering Information

| Part Number                    | CPU                                                            | Core       | Thermal Solution               |
|--------------------------------|----------------------------------------------------------------|------------|--------------------------------|
| UPX-PTL01-SYS-AIR-A10-325-0000 | Intel® Core™ Ultra 5 processor 325 (12M Cache, up to 4.50 GHz) | 4P+0E+4LPE | Active Fanless Cooler (Airjet) |

## Optional Accessories

| Part Number | Description                                                                                                  |
|-------------|--------------------------------------------------------------------------------------------------------------|
| 1255X00112  | (TF)AC/DC Adapter.20V.180W.9A.4P phoenix 5.08mm.FSP.FSP180-ACAS3/9NA1805801                                  |
| 170203180J  | (TF)POWER CORD.3P-250V 13A.UK type.1830mm                                                                    |
| 170X000799  | (TF)Power Cord. 3P. 125V. 10A. 180D. USA. 1.8M. I-SHENG. SP305B/IS-14N SVT 18/3 60C CT-12 Black              |
| 170X001024  | (TF)Power Cord.3P.250V.10A.VDE.1.8M.I-SHENG.SP23/IS-14N H05VV-F 3G 0.75 CT-12.Black                          |
| 170X001231  | (TF)Power Cord.3P.250V.10A.180D.1800mm.I SHENG ELECTRIC.SP-506A+IS-14N                                       |
| 170X000806  | (TF)Power Cord. 3P. 125V. 7A. 1.8M. I-SHENG. U4NCB3T6B1218002. SP305B/IS-14N VCTF. Black. BSMI               |
| 170X000803  | (TF)Power Cord.3P.125W/7A.PSE Certificate.1.8M.I-SHENG.U4NCB3P6C1218002.SP305B/IS-14N VCTF 0.75/3 Black 1.8M |
| 170X000810  | (TF)Power Cord.3P.250V.16A.Korea.1.8M.I-SHENG.SP23/IS-14N H05VV-F 3G 0.75 CT-12 Black                        |
| 170X000805  | (TF)Power Cord.3P.250V.10A.SWISS.1.8M.I-SHENG.SP-027C/IS-14N H05VV-F 3G 0.75mm CT-12 Black                   |
| 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)   |
| M0UPPT0020  | WALLMOUNT BK.PMS 430C-16.UPX-PTL01-SYS-AJ                                                                    |

## Packing List

- UP Xtreme PTL Edge Air
- Phoenix mating connector for DC input