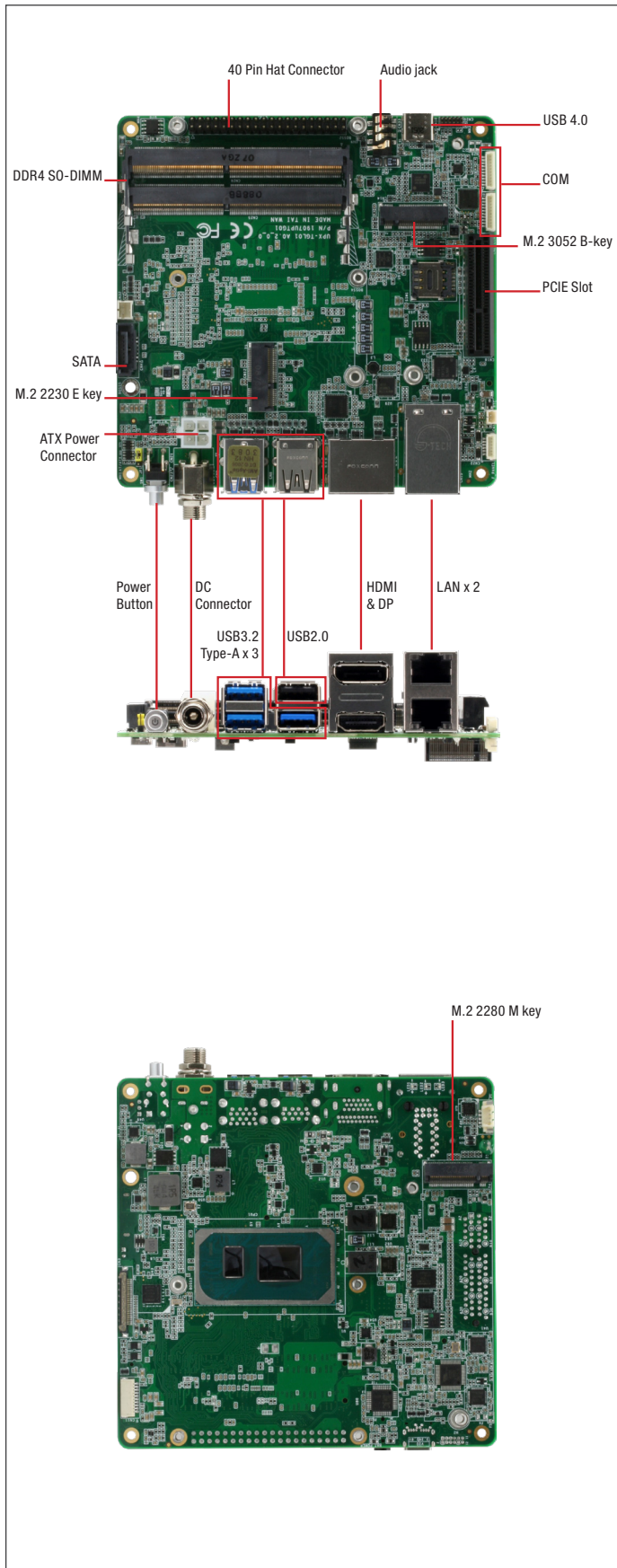


# UP Xtreme i11

UP Xtreme i11 Developer Board with 11th Generation Intel® Core™ i7/i5/i3/Celeron® Processor SoC



## Features

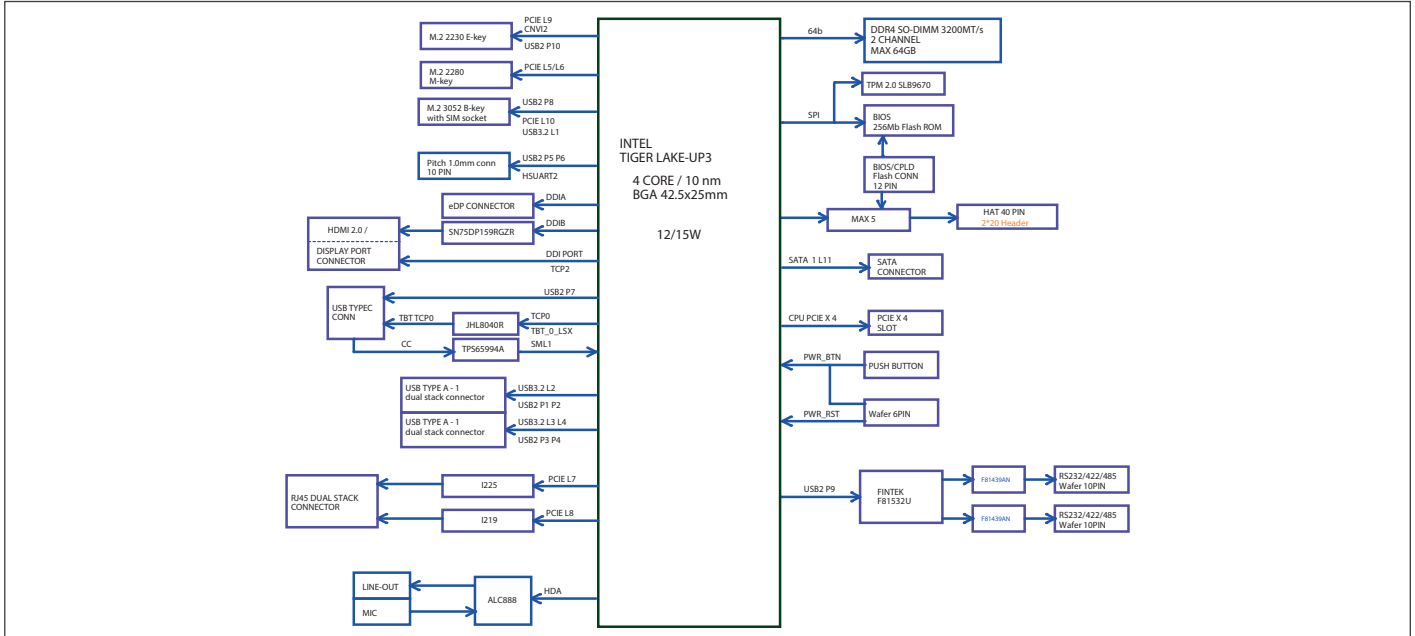
- 11th Generation Intel® Core™ i7/i5/i3/Celeron® Processor SoC
- DDR4 SODIMM Slot x 2, up to 64GB
- 40-pin HAT Connector
- 4 Independent Displays
- 5G Module support via M.2 3052 B-Key
- AI module support via M.2 2280 M-Key
- Supports Intel® Wi-Fi 6E AX210 via M.2 2230 E-Key
- USB 4.0 (Type-C)
- PCIe [x4] slot



## Specifications

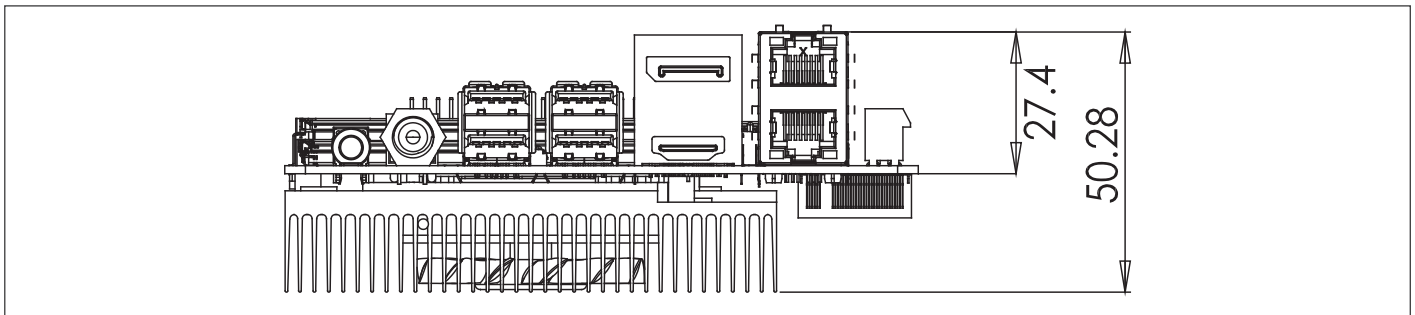
| System                      |  |
|-----------------------------|--|
| Processor                   | 11th Gen Intel® Core™ Processor SoC<br>Intel® Core™ i7-1185G7E<br>Intel® Core™ i7-1185GRE<br>Intel® Core™ i5-1145 G7E<br>Intel® Core™ i5-1145GRE<br>Intel® Core™ i3-1115GRE<br>Intel® Celeron® 6305E |
| Graphics                    | Intel® Iris® Xe graphics   |
| Memory                      | DDR4 SODIMM Slot x 2, up to 64GB   |
| Storage                     | M.2 2280 M-Key x 1 for NVMe (PCIe [x2])<br>SATA 6Gb/s x 1  |
| I/O                         | HDMI 2.0 x 1<br>DP 1.4x 1<br>eDP x 1<br>Audio Jack x 1 (Mic-in+Line-out)<br>RS-232/422 10-pin header x 2   |
| Camera                      | —  |
| USB                         | USB 2.0 x 2 (from wafer x 1)<br>USB 2.0 (Type-A) x 1<br>USB 3.2 Gen 2 (Type-A) x 3<br>USB 4.0 (Type-C) x 1   |
| Expansion                   | 40-pin GPIO x 1<br>M.2 2230 E-Key x 1<br>M.2 2280 M-Key x 1<br>M.2 3052 B-Key x 1<br>SATA 6Gb/s x 1<br>PCIe [x4] Slot  |
| Display Interface           | HDMI 2.0 x 1<br>DP 1.4 x 1<br>eDP x 1  |
| Ethernet                    | Intel® I225-IT x 1<br>Intel® I219 (vPRO) x 1   |
| Security                    | —  |
| RTC                         | Yes  |
| OS Support                  | Microsoft Windows 10 and Windows IoT<br>Linux Ubuntu 22.04<br>Linux Yocto 3.1  |
| Power Requirement           |  |
| Power                       | 12V (Lockable plug)  |
| Power Supply Type           | AT/ATX (ATX as default)  |
| Power Consumption (Typical) | Balance: 32.4W<br>Max current: 66W   |
| Mechanical                  |  |
| Dimension                   | 4.74" x 4.82" (120.35mm x 122.5mm)   |
| Net Weight                  | 0.57 lbs (0.26kg)  |
| Gross Weight                | 1.15 lbs (0.52kg)  |
| Environment                 |  |
| Operating Temperature       | 32°F ~ 140°F (0°C ~ 60°) / 0.5 airflow   |
| Operation Humidity          | 0% ~ 90% relative humidity, non-condensing   |
| MTBF                        | 372,419 Hours  |
| Certification               | CE/FCC Class A, RoHS Compliant, REACH  |

## Block Diagram



## Dimension

Unit: mm



## Ordering Information

| Part Number           | CPU                    | CORE | MEMORY         | HEATSINK |
|-----------------------|------------------------|------|----------------|----------|
| UPX-TGLCR-A10-0000    | Intel®Celeron® 6305E   | 2    | SO-DIMM (64GB) | FAN      |
| UPX-TGLI3-A10-0000    | Intel®Core™ i3-1115G7E | 2    | SO-DIMM (64GB) | FAN      |
| UPX-TGLI5-A10-0000    | Intel®Core™ i5-1145G7E | 4    | SO-DIMM (64GB) | FAN      |
| UPX-TGLI5G7E-A10-0000 | Intel®Core™ i5-1145G7E | 4    | SO-DIMM (64GB) | FAN      |
| UPX-TGLI7-A10-0000    | Intel®Core™ i7-1185G7E | 4    | SO-DIMM (64GB) | FAN      |
| UPX-TGLI7G7E-A10-0000 | Intel®Core™ i7-1185G7E | 4    | SO-DIMM (64GB) | FAN      |

## Packing List

- UP Xtreme i11 with heatsink + cooler

## Optional Accessories

| Part Number        | Description   |
|--------------------|---|
| 1255X00032         | (TF)AC/DC Adapter.Input AC.100~240V.Output DC.12V.MAX 72W.6.0A.180D.W/ LOCK.EDAC.EA10681U(120)                                    |
| 1255300960         | (TF)Power Adapter.100~240VAC~50/60Hz.12V/8A.96W.DC jack W/lock.FSP.FSP096-AHAN3/9NA0961403 *Use this adapter if select AI Core XM |
| 1702031802         | (TF)POWER CORD.3P-125V 10A 180D.1.8M.USA.FANJET.YP12/YC-12 (for USA)  |
| 1702031803         | (TF)POWER CORD.3P-250V 10A 180D.1.8M.VDE.FAN-JET.YP-22/YC-12 (for EU)   |
| 170203180E         | (TF)Power cord.3P.125V/7A.1.8M.PSE YP12/YC12 Certificat (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  |
| 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   |
| UPCR-CAN1-A10-0001 | UP CAN Bus Carrier Board with USB/UART interface for UP product line  |