UP 4000 Edge
UP 4000 System with Intel® Pentium® N4200/ Intel® Celeron® N3350/ Intel Atom® E3950 Processor SoC

Features
- Intel® Pentium® N4200/ Intel® Celeron® N3350/ Intel Atom® E3950 Processor SoC
- Onboard LPDDR4 Memory up to 8GB
- Onboard eMMC Storage up to 64GB
- Dual displays up to 4K at 30Hz
- Gigabit LAN x 1, HDMI x 1, USB 3.2 Gen 1 (Type A) x 3
- Audio Jack x 1 (Line out + Mic in)
- 12V DC-in, 5A
- TPM 2.0

Specifications

**System**
- CPU: Intel® Pentium® N4200/ Intel® Celeron® N3350/ Intel Atom® E3950
- Memory: Onboard LPDDR4 Memory up to 8GB
- Graphics: Intel® Gen 9 HD, supporting 4K Codec Decode and Encode for HEVC, H.264, VP8
- Storage: Onboard eMMC Storage up to 64GB
- Ethernet: Gb Ethernet (full speed) RJ-45 x 1
- WiFi/BT: ---
- Expansion Slot: ---
- Security: TPM 2.0
- OS Support: Microsoft Windows 10 (full), Windows IOT Core, Yocto project 3.1 Kernel 5.4, Ubuntu 18.04

**I/O Placements**
- USB: USB 3.2 Gen1 Type A x 3
- USB 3.2 Gen1 Type C x 1, supports OTG
- Display Port: HDMI 1.4b, DP 1.2 via USB Type C
- Ethernet: RJ45 x 1
- COM: ---
- Audio: Line out x 1, Mic in x 1
- GPIO: ---

**POWER Supply**
- Power requirement: 12V DC-in @ 5A
- Power supply type: DC Jack, 5.5-2.1mm / phoenix co-lay
- Power Consumption (Typical): 12V @ 1.25A (15Watt)

**MECHANICAL**
- Mounting: VESA MOUNTING
- Dimensions (WxHxD): 3.62” x 2.52” x 1.78” (92 x 64 x 45.2 mm)
- Net Weight: 0.64lb (290g)
- Gross Weight: 1.21lb (549g)

**Environment**
- Operating Temperature: 32°F ~ 140°F (-0°C ~ 60°C) with air flow 0.5m/s
- Operating Humidity: 10% ~ 80% relative humidity, non-condensing
- Storage Temperature: -4°F ~ 158°F (-20°C ~ 70°C)
- MTBF: 538,629 hrs @ 30°C
- Certification: CE/FCC Class A, RoHS Compliant, REACH
### Dimension

Unit: mm

![Dimensions Diagram]

### Ordering Information

<table>
<thead>
<tr>
<th>Part number</th>
<th>CPU</th>
<th>Memory</th>
<th>Storage</th>
<th>TPM 2.0</th>
<th>Gbe</th>
<th>LAN</th>
<th>Audio wafer</th>
</tr>
</thead>
<tbody>
<tr>
<td>UP-EDGE-APL032CF-A10-0432</td>
<td>Apollo Lake N3350F (F1)</td>
<td>4GB</td>
<td>32GB</td>
<td>yes</td>
<td>Realtek</td>
<td>RTL8111H</td>
<td>yes</td>
</tr>
<tr>
<td>UP-EDGE-APL034NF-A10-0864</td>
<td>Apollo Lake N4200F (F1)</td>
<td>8GB</td>
<td>64GB</td>
<td>yes</td>
<td>Realtek</td>
<td>RTL8111H</td>
<td>yes</td>
</tr>
<tr>
<td>UP-EDGE-APL03X7F-A10-0464</td>
<td>Apollo Lake E3950F (F1)</td>
<td>4GB</td>
<td>64GB</td>
<td>yes</td>
<td>Realtek</td>
<td>RTL8111H</td>
<td>yes</td>
</tr>
</tbody>
</table>

### Packing List

- **UP 4000 Edge**

### Optional Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP-PS12V5A60WFJ</td>
<td>12V95A Power Supply</td>
</tr>
<tr>
<td>EP-CBPC250V3PEU</td>
<td>EU Type Power Cord Plug 1800±30mm</td>
</tr>
<tr>
<td>EP-CBPC250V3PUK</td>
<td>UK Type Power Cord Plug 1800±30mm</td>
</tr>
<tr>
<td>EP-CBPC125V3PUS</td>
<td>US Type Power Cord Plug 1800±30mm</td>
</tr>
<tr>
<td>9651UPED00</td>
<td>(TF) VESA kit UP4000-EDGE, A.1</td>
</tr>
</tbody>
</table>