



## Features

- Ultra-slim size: 173 x 88 x 21.7mm (6.81" x 3.46" x 0.85")
- 3rd gen Intel® Atom™ Processor, Celeron® Processor (formerly Bay Trail)
- 5th gen Intel® Atom™ Processor, Celeron® Processor (formerly Apollo Lake)
- Wide-Range DC voltage input: 9V~32V
- Cableless, fanless system, aluminum alloy structure
- 2x Mini-PCIe with USIM socket
- 1x mSATA socket
- 16-bit programmable GPIO
- 2x RJ45 GbE
- 1x USB 3.0/2.0 port, 4x USB 2.0 ports
- 1x UART RS-232 port

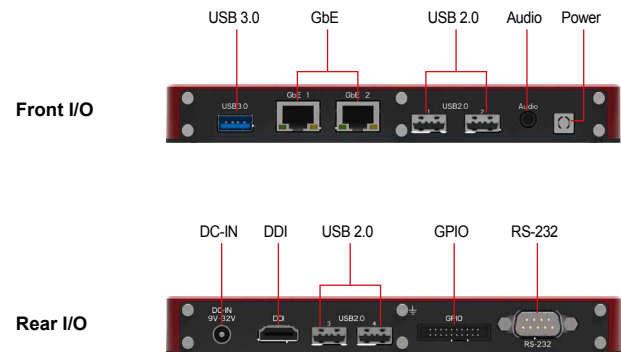
## Specifications

System	
<b>CPU</b>	Intel® Celeron® N2807 1.58 GHz, Dual Core L2 cache 1MB, 4.5W TDP Intel® Atom™ E3815 1.46 GHz, Single Core L2 cache 512KB, 5W TDP Intel® Pentium® N4200 1.1/2.5 GHz, Quad Core L2 cache 2MB, 6W TDP Integated in SoC
<b>Chipset</b>	
<b>BIOS</b>	AMI Aptio® UEFI 2.x firmware
<b>Memory</b>	DDR3L with 1333 MT/s, 8GB (Max.)
<b>Graphics</b>	
<b>Display</b>	1x DDI
<b>Controller</b>	Intel® HD Graphics Generation 7
<b>Power</b>	
<b>DC Input</b>	9~32VDC
<b>Mechanical</b>	
<b>Dimensions (WxDxH)</b>	173 x 88 x 21.7mm (6.81" x 3.46" x 0.85")
<b>Weight</b>	0.75kg
<b>External IO</b>	
<b>Ethernet</b>	2x RJ45 GbE
<b>USB 3.0/2.0</b>	1x USB 3.0/2.0 port, 4x USB 2.0 ports
<b>COM</b>	1x RS-232 port
<b>Digital I/O</b>	16-bit programmable GPIO
<b>Audio</b>	1x Mic in, Line out
<b>Storage</b>	
<b>SATA</b>	1x mSATA socket
<b>SIM</b>	2x USIM slot
<b>Expansion Slot</b>	
<b>Mini-PCIe</b>	2x full-Length Mini-PCIe socket (PCIe + USB + USIM)
<b>Other</b>	
<b>Watchdog Timer</b>	Multistage
<b>Antenna</b>	3x antenna openings
<b>Environment</b>	
<b>Operating Temperature</b>	Operation: -20°C~60°C
<b>Storage Temperature</b>	Storage: -40°C~85°C Operation: 10% to 90%
<b>Operating Humidity</b>	10% ~ 90% Humidity, non-condensing
<b>Storage Humidity</b>	5% ~ 95% Humidity, non-condensing
<b>Certification</b>	CE/CB/FCC Class A
<b>OS Support</b>	
<b>Windows</b>	Windows 10 Windows 10 IoT 64-bit Windows 8 Windows Embedded 8 Standard Windows 7 Windows 7 embedded compact
<b>Linux</b>	Linux

## Ordering Information

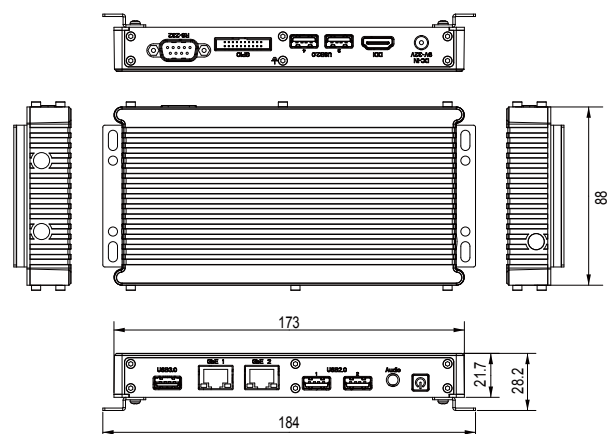
Model Name	
U7-130	Intel® Celeron® N2807, 4GB
U7-131	Intel® Atom™ E3815, 1GB
U7-150	Intel® Pentium® N4200, 8GB, eMMC32G

## I/O Interfaces



## Dimensions

Units: mm



## Optional Accessories

Model Name	
SSD	mSATA 32GB/64GB/128GB/256GB
Adapter	12VDC/40W power adapter
Power Cord	US / Germany / UK / Australia / China
Wireless Module	3G/3G+GPS/4G/4G+GPS/4G+WIFI