

U7-100

3rd Gen Intel® Atom™/Celeron® Processor Ultra-slim Fanless Box Computer



Specifications

System	
CPU	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
Chipset	Integrated in SoC
BIOS	AMI Aptio® UEFI 2.x firmware
Memory	DDR3L with 1333MT/s, 8GB (Max.)
Graphics	
Display	1x HDMI
Controller	Intel® HD Graphics Generation 7
Power	
DC Input	9~32VDC
Mechanical	
Dimensions (W x D x H)	173 x 88 x 21.7mm (6.81" x 3.46" x 0.85")
Weight	
External IO	
Ethernet	2x RJ45 GbE
USB 3.0/2.0	1x USB 3.0/2.0 port, 4x USB 2.0 ports
COM	1x RS-232 port
Digital I/O	16-bit programmable GPIO
Audio	1x Mic in, Line out
Storage	
SATA	1x mSATA socket
SIM	2x USIM slot
Expansion Slot	
Mini-PCle	2x full-Length Mini-PCle socket (PCle + USB + USIM)
Other	
Watchdog	Multistage watchdog
Antenna	3x antenna openings
Environment	
Operating Temperature	Operation: -20°C~60°C
Storage Temperature	Storage: -40°C~85°C Operation:10% to 90%
Operating Humidity	10%~90% Humidity, non-condensing
Storage Humidity	5%~95% Humidity, non-condensing
Certification	CE/CB/FCC Class A
OS support	
Optional OS Installation	Windows 10 Windows 10 IoT Windows 8 Windows Embedded 8 Standard Windows 7 Windows 7 embedded compact Linux

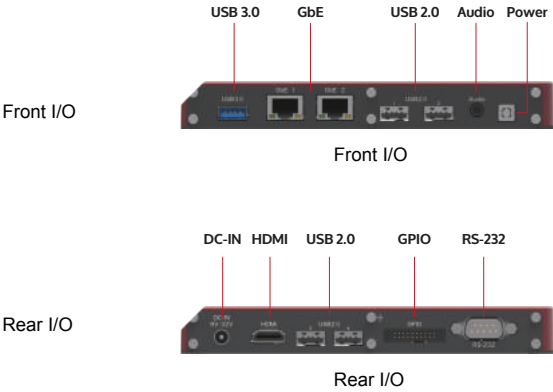
Order Information

Model Name	
U7-130	Intel® Celeron® N2807, 4GB
U7-131	Intel® Atom™ E3815, 1GB

Features

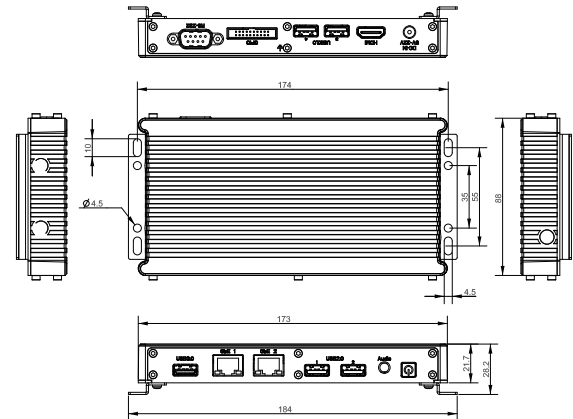
- Ultra-slim size: 173 x 88 x 21.7mm (6.81" x 3.46" x 0.85")
- 3rd Gen Intel® Atom™ Processor, Celeron® Processor (formerly Bay Trail)
- Wide-Range DC voltage input: 9V~32V
- Cable-less, fanless system, aluminum alloy structure
- 2x Mini-PCle with USIM socket
- 1x mSATA socket
- 16-bit programmable GPIO
- 2x RJ45 GbE
- 1x USB 3.0/2.0 port, 4x USB2.0 ports
- 1x UART RS-232 port

I/O Interfaces



Dimensions

Unit: 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

* Please contact sales representative