



Features

- Ultra-compact size: 138 x 100 x 57mm (5.43"x 3.94"x 2.24")
- 3rd gen Intel® Atom™ Processor, Celeron® Processor (formerly Bay Trail)
- Wide-Range DC voltage input: 9V~32V
- Fanless system, aluminum alloy structure
- 2x RJ45 GbE Ethernet
- 4x USB 3.0/2.0 ports
- 8-bit isolated GPI & 8-bit isolated GPO
- 2x RS-232 ports (COM1/COM2)
- 2x RS-232/422/485 non-Auto-flow (COM3/COM4)

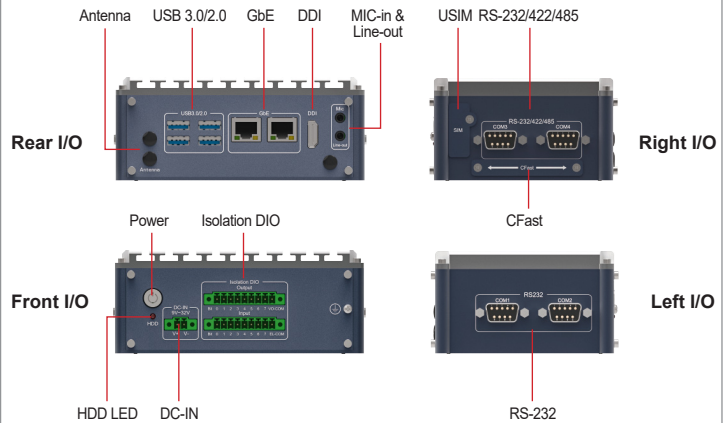
Specifications

System	
CPU	Intel® Celeron® J1900 2.0 GHz, Quad Core L2 cache 2MB, 10W TDP Intel® Celeron® N2807 1.58 GHz, Dual Core L2 cache 1MB, 4.5W TDP Intel® Atom™ E3845 1.91 GHz, QuadCore L2 cache 2MB, 10W TDP Intel® Atom™ E3827 1.75 GHz, Dual Core L2 cache 1MB, 8W TDP
Chipset	Integated in SoC
BIOS	AMI Aptio® UEFI 2.x firmware
Memory	DDR3L with 1333 MT/s, 8GB (Max.)
Graphics	
Display	1x DDI
Controller	Intel® HD Graphics Generation 7
Power	
DC Input	9~32VDC
Mechanical	
Dimensions (WxDxH)	138 x 100 x 57mm (5.43"x 3.94"x 2.24")
Weight	0.76kg
External IO	
Ethernet	2x RJ45 GbE
USB 3.0/2.0	4x USB 3.0/2.0 port, 1x USB 2.0 port (internal)
COM	2x RS-232 (COM1/COM2) 2x RS-232/422/485 non-Auto-flow (COM3/COM4)
Digital I/O	8-bit Isolated GPI & 8-bit Isolated GPIO
Audio	1x Mic in, 1x Line out
Storage	
SATA	1x mSATA socket
Drive Bay	2.5" HDD/SSD, share with CFast (optional)
SIM	1x USIM socket
Expansion Slot	
Mini PCIe	1x full length Mini PCIe socket (PCIe + USB + USIM) 1x half length Mini PCIe socket (PCIe + USB)
Other	
Watchdog Timer	Multistage
Antenna	2x 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	
Windows	Windows 10 Windows 10 IoT 64-bit Windows 8 Windows Embedded 8 Standard Windows 7 Windows 7 embedded compact
Linux	Linux

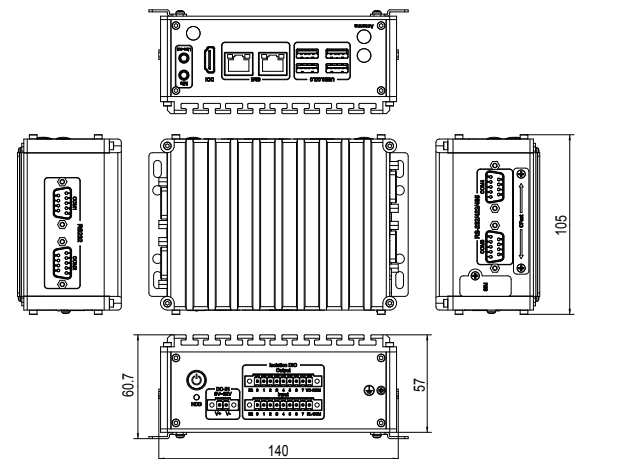
Ordering Information

Model Name	
U7-331	Intel® Celeron® N2807, 4GB
U7-333	Intel® Celeron® J1900, 4GB

I/O Interfaces



Dimensions



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