



Intel® Celeron® J1900 2.0 GHz, Quad Core L2 cache 2MB, 10W TDP

**Part number:** U7-331, U7-333

## 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
- 1x RS-232/422/485, 5x RS-232
- 4x USB 3.0/2.0 ports
- 8-bit isolated GPI & 8-bit isolated GPO
- 4x RS-232 ports

## System

<b>CPU</b>	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
<b>Chipset</b>	Integrated in SoC
<b>BIOS</b>	AMI Aptio® UEFI 2.x firmware
<b>Memory</b>	DDR3L with 1333 MT/s, 8GB (Max.)

## Graphics

<b>Display</b>	1x DDI
<b>Controller</b>	Intel® HD Graphics Generation 7

## Power

<b>DC Input</b>	9~32VDC
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## Mechanical

\* All product specifications are subject to change without notice

<b>Dimensions (WxDxH)</b>	138 x 100 x 57mm (5.43"x 3.94"x 2.24")
<b>Weight</b>	0.76kg

## External IO

<b>Ethernet</b>	2x RJ45 GbE
<b>USB 3.0/2.0</b>	4x USB 3.0/2.0 port, 1x USB 2.0 port (internal)
<b>COM</b>	4x RS-232
<b>Digital I/O</b>	8-bit Isolated GPI & 8-bit Isolated GPIO
<b>Audio</b>	1x Mic in, Line out

## Storage

<b>SATA</b>	1x mSATA socket
<b>Drive Bay</b>	2.5" HDD/SSD, share with CFast (optional)
<b>SIM</b>	1x USIM socket

## Expansion Slot

<b>Mini-PCIe</b>	1x full-length Mini-PCIe socket (PCIe + USB + USIM)
	1x half length Mini-PCIe socket (PCIe + USB)

## Other

<b>Watchdog</b>	Multistage
<b>Antenna</b>	2x antenna openings

## Environment

<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

## OS Support

<b>Windows</b>	Windows 10
	Windows 10 IoT
	Windows 8
	Windows Embedded 8 Standard
	Windows 7
	Windows 7 embedded compact
<b>Linux</b>	Linux

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## Ordering Information

### Model Name

U7-331 Intel® Celeron® N2807, 4GB

U7-333 Intel® Celeron® J1900, 4GB

## 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

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