U7-300

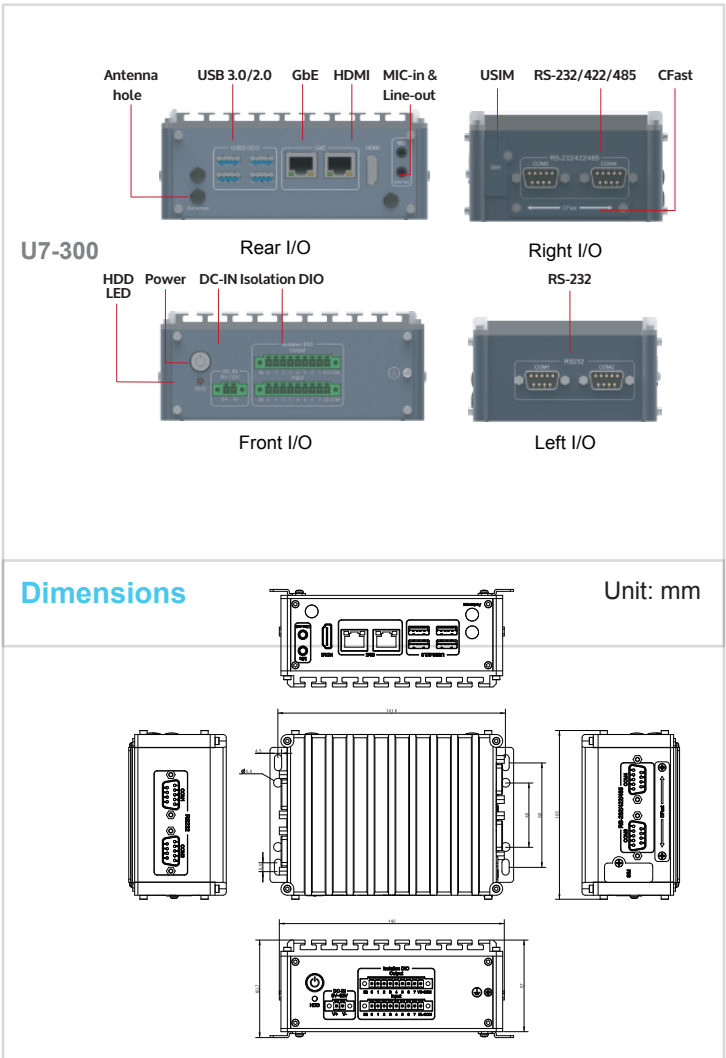3rd Gen Intel® Atom™/Celeron® Processor Ultra-compact Fanless Box Computer

Features

- Ultra-compact size: 138 x 100 x 57mm (5.43"x 3.94"x 2.24")
- 3rd GenIntel® 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
- 4x RS-232 ports

Specifications

System

CPU	Intel® Celeron® J1900 2.0 GHz, Quad Core L2 cache 2MB, 10W TDP
Chipset	Intergated in SoC
BIOS	AMI Aptio® UEFI 2.x firmware
Memory	DDR3L with 1333 MT/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)	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 TypeA (internal)
COM	4x RS-232 (U7-300)
	3x RS-232 (U7-300T)
Digital I/O	8-bit Isolated GPI & 8-bit Isolated GPO
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 slot

Expansion Slot

Mini-PCIe	1x full length Mini-PCIe socket (PCIe + USB + USIM)
	1x half length Mini-PCIe socket (PCIe + USB)

Other

Watchdog	Multistage watchdog
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

Optional OS Installation	Windows 10
	Windows 10 IoT
	Windows 8
	Windows Embedded 8 Standard
	Windows 7
	Windows 7 embedded compact
	Linux

I/O Interfaces

U7-300 — Rear I/O — Right I/O — Front I/O — Left I/O

Dimensions

Unit: mm

Order Information

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

* Please contact sales representative