SmartAIO PRODUCT BROCHURE



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® AtomTM 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

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® AtomTM E3845 1.91 GHz, QuadCore L2 cache 2MB, 10W TDP
	Intel® AtomTM E3827 1.75 GHz, Dual Core L2 cache 1MB, 8W TDP
Chipset	Integrated 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

* All product specifications are subject to change without notice

Email: sales@vetron.com.au
ABN: 21 141 474 017
Business number +61 (07) 3186 8825

Head Office: Unit 3, 25 Randall Street, Slacks Creek. Qld. 4127.

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	4x RS-232
Digital I/O	8-bit Isolated GPI & 8-bit Isolated GPIO
Audio	1x Mic in, Line out

Storage

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

Expansion Slot

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

Other

Watchdog	Multistage
Antenna	2x antenna openings

Environment

Operating Temperature	Operation: -20°C~60°C
Storage Temperture	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
	Windows 8
	Windows Embedded 8 Standard
	Windows 7
	Windows 7 embedded compact
Linux	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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