SmartSL Plus PRODUCT BROCHURE

Front



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

Part number: U7-230

Features

- Ultra-slim size: 196 x 100 x 38.5mm (7.72" x 3.94" x 1.50")
- 3rd gen Intel® AtomTM Processor, Celeron® Processor (formerly Bay Trail)
- Wide-Range DC voltage input: 9V~32V
- Cableless, fanless system, aluminum alloy structure
- Display: 1x DVI or VGA
- 3x RJ45 GbE Ethernet with 802.3at PoE PSE
- 1x Mini-PCIe with USIM socket, 1x mSATA socket
- 1x USB 3.0/2.0 port, 4x USB2.0 ports
- 8-bit isolated GPI & 8-bit isolated GPO
- 1x UART RS-232/422/485 switchable port

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
Chipset	Integrated in SoC
BIOS	AMI Aptio® UEFI 2.x firmware
Memory	DDR3L with 1333 MT/s, 8GB (Max.)
Graphics	
Display	1x DVI-D (U7-200D); 1x VGA (U7-200V)
Controller	Intel® HD Graphics Generation 7
Power	
DC Input	9~36VDC
Mechanical	
Dimensions (WxDxH)	196 x 100 x 38.5mm (7.72" x 3.94" x 1.50")

* All product specifications are subject to change without notice

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External IO

Ethernet	3x RJ45 GbE with 802.3at PoE PSE
USB 3.0/2.0	1x USB 3.0/2.0 port, 3x USB 2.0 ports
COM	1x RS-232/422/485 switchable
Digital I/O	8-bit Isolated GPI & 8-bit Isolated GPO
Audio	1x Mic in, Line out

Storage

SATA	1x mSATA socket
SIM	2x USIM slot

Expansion Slot

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

Other

Watchdog	Multistage Watchdog
Antenna	3x 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	
U7-230D	Intel® Celeron® N2807, 4GB
U7-131	Intel® AtomTM E3815, 1GB
U7-231D	Intel® Celeron® E815, 1GB
U7-230V	Intel® Celeron® N2807, 4GB
U7-231V	Intel® Celeron® E815, 1GB

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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