

# 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® Atom™ 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

<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
<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 DVI-D (U7-200D); 1x VGA (U7-200V)
<b>Controller</b>	Intel® HD Graphics Generation 7

## Power

<b>DC Input</b>	9~36VDC
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## Mechanical

<b>Dimensions (WxDxH)</b>	196 x 100 x 38.5mm (7.72" x 3.94" x 1.50")
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\* All product specifications are subject to change without notice

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<b>External IO</b>	
<b>Ethernet</b>	3x RJ45 GbE with 802.3at PoE PSE
<b>USB 3.0/2.0</b>	1x USB 3.0/2.0 port, 3x USB 2.0 ports
<b>COM</b>	1x RS-232/422/485 switchable
<b>Digital I/O</b>	8-bit Isolated GPI & 8-bit Isolated GPO
<b>Audio</b>	1x Mic in, Line out
<b>Storage</b>	
<b>SATA</b>	1x mSATA socket
<b>SIM</b>	2x USIM slot
<b>Expansion Slot</b>	
<b>Mini-PCIe</b>	1x full-Length Mini-PCIe socket (PCIe + USB + USIM)
<b>Other</b>	
<b>Watchdog</b>	Multistage Watchdog
<b>Antenna</b>	3x antenna openings
<b>Environment</b>	
<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
<b>OS Support</b>	
<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

U7-230D	Intel® Celeron® N2807, 4GB
U7-131	Intel® Atom™ 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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