SmartSL PRODUCT BROCHURE





Intel® Celeron® N2807 1.58 GHz, Dual Core L2 cache 1MB, 4.5W TDP

Part number: U7-130

Features

- Ultra-slim size: 173 x 88 x 21.7mm (6.81" x 3.46" x 0.85")
- 3rd gen Intel® AtomTM Processor, Celeron® Processor (formerly Bay Trail)
- 5th gen Intel® AtomTM Processor, Celeron® Processor (formerly Apollo Lake)
- Wide-Range DC voltage input: 9V~32V
- Cableless, fanless system, aluminum alloy structure
- 2x Mini-PCIe with USIM socket
- 1x mSATA socket
- 16-bit programmable GPIO
- 2x RJ45 GbE
- 1x USB 3.0/2.0 port, 4x USB 2.0 ports
- 1x UART RS-232 port

System

CPU	Intel® Celeron® N2807 1.58 GHz, Dual Core L2 cache 1MB, 4.5W TDP
	Intel® AtomTM E3815 1.46 GHz, Single Core L2 cache 512KB, 5W TDP
	Intel® Pentium® N4200 1.1/2.5 GHz, Quad Core L2 cache 2MB, 6W TDP
Chipset	Integrated in SoC
BIOS	AMI Aptio® UEFI 2.x firmware
Memory	DDR3L with 1333 MT/s, 8GB (Max.)

Graphics

Display	1 x DDI
Controller	Intel® HD Graphics Generation 7

Power

DC Input	9~32VDC

* All product specifications are subject to change without notice

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Mechanical

Dimensions (WxDxH)	173 x 88 x 21.7mm (6.81" x 3.46" x 0.85)
Weight	0.75kg

External IO

Ethernet	2x RJ45 GbE
USB 3.0/2.0	1x USB 3.0/2.0 port, 4x USB 2.0 ports
COM	1x RS-232 port
Digital I/O	16-bit programmable GPIO
Audio	1x Mic in, Line out

Storage

SATA	1x mSATA socket
SIM	2x USIM slot

Expansion Slot

Mini-PCIe	2x full-Length Mini-PCIe socket (PCIe + USB + USIM)

Other

Watchdog Timer	Multistage
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 64-bit
	Windows 8
	Windows Embedded 8 Standard
	Windows 7
	Windows 7 embedded compact
Linux	Linux

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Ordering Information

Model Name	
U7-130	Intel® Celeron® N2807, 4GB
U7-131	Intel® AtomTM E3815, 1GB
U7-150	Intel® Pentium® N4200, 8GB, eMMC32G

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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