# 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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