

## Dual network port, 6 serial port, GPIO fanless embedded computer



## Key features:

- Support intel Celeron/Core i3, i5, i7 processors, integrated intel core graphics card
- Support 1 SO-DIMM DDR3/4 memory slot, 2.5-inch SATA hard disk, mSATA, M.2 solid state drive
- 2 Gigabit Ethernet ports, support network wake-up, diskless boot, with SIM card slot, optional WIFI/Bluetooth/4G module
- 6 RS232 DB9 COM serial interfaces, COM5/6 support RS485 switching, HDMI+VGA dual display output
- 1 x 12pin Phoenix terminal (including 4 input and 4 out GPIO/switch/5V), external power-on toggle switch, 9-36V wide voltage input
- Compact and sturdy fully sealed aluminum alloy chassis and large-area aluminum fin fanless heat dissipation structure, wide temperature (-10 ~ 60°C) stable operation
- Support Watchdog hardware reset, support embedded, wall-mounted, desktop installation

## Product Introduction

The SCI-S5010C6 fanless embedded computer is powered by intel Celeron/Core processors, supports DDR3/4 memory, and offers a variety of options in 2.5-inch SATA, mSATA, and M.2 storage. It is equipped with a wealth of interfaces and buttons, including LAN, COM RS232/485, USB, GPIO, power-on toggle switch, SIM card slot, HDMI+VGA dual display, etc., supports DC input from 9-36V wide voltage range, expandable WIFI/Bluetooth/4G module, and supports Windows and Linux systems.

The aluminum alloy shell of the whole machine has strong strength, the aluminum fin design quickly dissipates the heat of the host, and the internal cable-free fanless and fully enclosed structure effectively prevents dust from entering, ensuring the stable operation of the host in a wide temperature (-10 ~ 60°C) working environment. Embedded, wall-mounted, and desktop installation methods are fast and flexible for installation, which can be applied to industrial control, transportation, self-service terminals, security machine vision, mini servers, smart cities and other fields.

## Specifications

|           |   |  |
|-----------|---|--|
| system    | C P U   | intel J1900 / 5205U / J4125 / J6412 / i3-5020U / i5-4310U / i5-6300U / i7-6650U / i5-7200U / i5-7360U / i7-7500U / i5-8265U / i7-8565U / i5-10210U |
|           | Display chips   | Intel core graphics  |
|           | Memory support  | SO-DIMM DDR3/DDR4  |
|           | Hard disk support   | mSATA/M.2 SSD/2.5" SATA HDD  |
|           | Network card chip   | Intel i211 Gigabit LAN card  |
|           | Audio chips   | integration  |
|           | Power supply characteristics                                      | 9~36V wide voltage, external power adapter or open frame power supply  |
|           | Wireless communications   | Mini-PCIE slot (*optional WIFI/Bluetooth/4G module).   |
|           | operating system  | Support Windows/Linux  |
|           | B I O S   | It supports power-on, timed boot, network wake-up, and diskless boot   |
| Watchdog  | The watchdog supports hardware reset (256 levels, 0~255 seconds). |  |
| interface | I/O interface   | 8×USB、1×HDMI、1×VGA、2×LAN、1×Audio、1×Mic、6×COM、1×AC LOSS、1×GPIO、1×DC、1×Power、1×Reset、1×Power LED、1×HDD LED、1XPS/2                                    |
|           | Extended interfaces   | 1×SIM external card slot, 1× Mini-PCIE   |
| structure | Installation  | Support embedded, wall-mounted, and desktop mounting   |

|             |                                      |   |
|-------------|--------------------------------------|---|
|             | Product dimensions                   | Main engine 231×190×67mm, packing: 305×305×135mm  |
|             | Product weight                       | Net weight 19kg, gross weight 3.0kg   |
|             | Material color                       | Aluminum alloy chassis, main unit color: black  |
| environment | Ambient temperature                  | Working environment: -10°C~60°C, transportation and storage environment: -20°C~70°C, relative humidity: 5%-95% (no condensation). |
|             | Resistant to vibration shocks        | Anti-vibration: 5~500Hz, 2Grms random vibration; Impact-resistant working condition: 10G@11ms                                     |
|             | Anti-interference static electricity | Anti-interference: EMI/EMC interference detection standard; ESD static electricity: contact discharge ± 8KV, air discharge ± 15KV |

Product images



Dimensional interfaces



## Ordering Information

| Model                   | CPU       | Cores | Processor     | Memory | SSD | SATA | GPIO | LAN | COM | HDMI | VGA | USB2.0 | USB3.0 | SIM | Power |
|-------------------------|-----------|-------|---------------|--------|-----|------|------|-----|-----|------|-----|--------|--------|-----|-------|
| SCI-S5010C6 (J1900)     | J1900     | 4/4   | 2.00-2.42 GHz | DDR3   | 1   | 1    | 1    | 2   | 6   | 1    | 1   | 4      | 4      | 1   | 9-36V |
| SCI-S5010C6 (5205U)     | 5205U     | 2/2   | 1.90 GHz      | DDR4   | 1   | 1    | 1    | 2   | 6   | 1    | 1   | 3      | 5      | 1   | 9-36V |
| SCI-S5010C6 (J4125)     | J4125     | 4/4   | 2.00-2.70 GHz | DDR4   | 1   | 1    | 1    | 2   | 6   | 1    | 1   | 3      | 5      | 1   | 9-36V |
| SCI-S5010C6 (J6412)     | J6412     | 4/4   | 2.00-2.60 GHz | DDR4   | 1   | 1    | 1    | 2   | 6   | 1    | 1   | 3      | 5      | 1   | 9-36V |
| SCI-S5010C6 (i3-5020U)  | i3-5020U  | 2/4   | 2.20 GHz      | DDR3   | 1   | 1    | 1    | 2   | 6   | 1    | 1   | 3      | 5      | 1   | 9-36V |
| SCI-S5010C6 (i5-4310U)  | i5-4310U  | 2/4   | 2.00-3.00 GHz | DDR3   | 1   | 1    | 1    | 2   | 6   | 1    | 1   | 3      | 5      | 1   | 9-36V |
| SCI-S5010C6 (i5-6300U)  | i5-6300U  | 2/4   | 2.40-3.00 GHz | DDR4   | 1   | 1    | 1    | 2   | 6   | 1    | 1   | 3      | 5      | 1   | 9-36V |
| SCI-S5010C6 (i7-6650U)  | i7-6650U  | 2/4   | 2.20-3.40 GHz | DDR4   | 1   | 1    | 1    | 2   | 6   | 1    | 1   | 3      | 5      | 1   | 9-36V |
| SCI-S5010C6 (i5-7200U)  | i5-7200U  | 2/4   | 2.50-3.10 GHz | DDR4   | 1   | 1    | 1    | 2   | 6   | 1    | 1   | 3      | 5      | 1   | 9-36V |
| SCI-S5010C6 (i5-7360U)  | i5-7360U  | 2/4   | 2.30-3.60 GHz | DDR4   | 1   | 1    | 1    | 2   | 6   | 1    | 1   | 3      | 5      | 1   | 9-36V |
| SCI-S5010C6 (i7-7500U)  | i7-7500U  | 2/4   | 2.70-3.50 GHz | DDR4   | 1   | 1    | 1    | 2   | 6   | 1    | 1   | 3      | 5      | 1   | 9-36V |
| SCI-S5010C6 (i5-8265U)  | i5-8265U  | 4/8   | 1.60-3.90 GHz | DDR4   | 1   | 1    | 1    | 2   | 6   | 1    | 1   | 3      | 5      | 1   | 9-36V |
| SCI-S5010C6 (i7-8565U)  | i7-8565U  | 4/8   | 1.80-4.60 GHz | DDR4   | 1   | 1    | 1    | 2   | 6   | 1    | 1   | 3      | 5      | 1   | 9-36V |
| SCI-S5010C6 (i5-10210U) | i5-10210U | 4/8   | 1.60-4.20 GHz | DDR4   | 1   | 1    | 1    | 2   | 6   | 1    | 1   | 3      | 5      | 1   | 9-36V |

## Configuration upgrade

| name                   | description  | remark   |
|------------------------|--|----------|
| Memory sticks          | 4G / 8G / 16G  | Optional |
| hard disk              | 64G / 128G/256G/512G/1TB SSD、500G/1TB/ 2TB 2.5" SATA hard drive  | Optional |
| Wireless communication | 2.4G/5G dual-band WIFI, Bluetooth or 4G module   | Optional |
| COM port               | The default RS 232 of the 6 COM ports is selected, and the switch of RS485 is optional for 2 COM ports | Optional |
| Case color             | Black/ Silver  | Optional |

## Accessories list

| name               | description  | quantity | remark   |
|--------------------|--|----------|----------|
| Power adapter      | DC 12V5A power adapter   | 1        | Standard |
| Power cord         | National standard, European standard, British standard, American standard, etc., length can be 1.5m / 2m / 3m / 5m / 10m | 1        | Optional |
| Warranty card      | Soncci logo / neutral  | 1        | Optional |
| Certificate        | Soncci logo / neutral  | 1        | Optional |
| Wall mount bracket | For mounting and hanging on the back of a monitor or hanging on a wall   | 1        | Optional |