

6-port network interface, serial port, GPIO, wide voltage, fanless embedded industrial computer

Key features:

- Supports Intel Celeron/Core i3, i5, i7 processors, integrated with Intel Core graphics
- Supports 1 SO-DIMM DDR3/4 memory slot, 2.5-inch SATA hard drive, mSATA, and M.2 solid-state drive.
- Three gigabit network ports, supporting network wake-up and diskless boot, with SIM card slot, optional Wi-Fi/Bluetooth/4G module
- Equipped with 6 RS232 DB9 COM serial interfaces, each supporting RS485 switching with isolation, and featuring HDMI+VGA dual display output
- 1 piece of 12-pin Phoenix connector (including four input and four output GPIO/switch/5V), power-on startup button switch, wide voltage input of 9-36V
- A compact and sturdy full-sealed aluminum alloy housing with a large-area aluminum fin fanless cooling structure, stable operation over a wide temperature range (-10 ~ 60°C)
- Support hardware reset for Watchdog, with black/silver options for the host, supporting embedded, wall-mounted, and desktop installation



Product Introduction

The SCI-S5000R6 fanless embedded industrial computer is equipped with an Intel Celeron/Core processor, supports DDR3/4 memory, and offers a variety of storage options including 2.5-inch SATA, mSATA, and M.2. It is equipped with abundant interfaces and buttons, including LAN, COM RS232/485, USB, GPIO, power-on startup button switch, SIM card slot, and HDMI+VGA dual display. It supports DC input voltage ranging from 9V to 36V and can be expanded with WIFI/Bluetooth/4G modules, compatible with Windows and Linux systems.

The whole-aluminum alloy shell has strong rigidity, and the aluminum fin design quickly dissipates the heat of the main unit. The internal structure without cables, fans, and the fully enclosed design effectively prevents dust from entering, ensuring stable operation of the main unit in a wide temperature range (-10 ~ 60°C). The embedded, wall-mounted, and desktop installation methods allow for quick and flexible installation, and are suitable for industrial control, soft router security, self-service terminals, security machine vision, and smart city applications.

Specifications

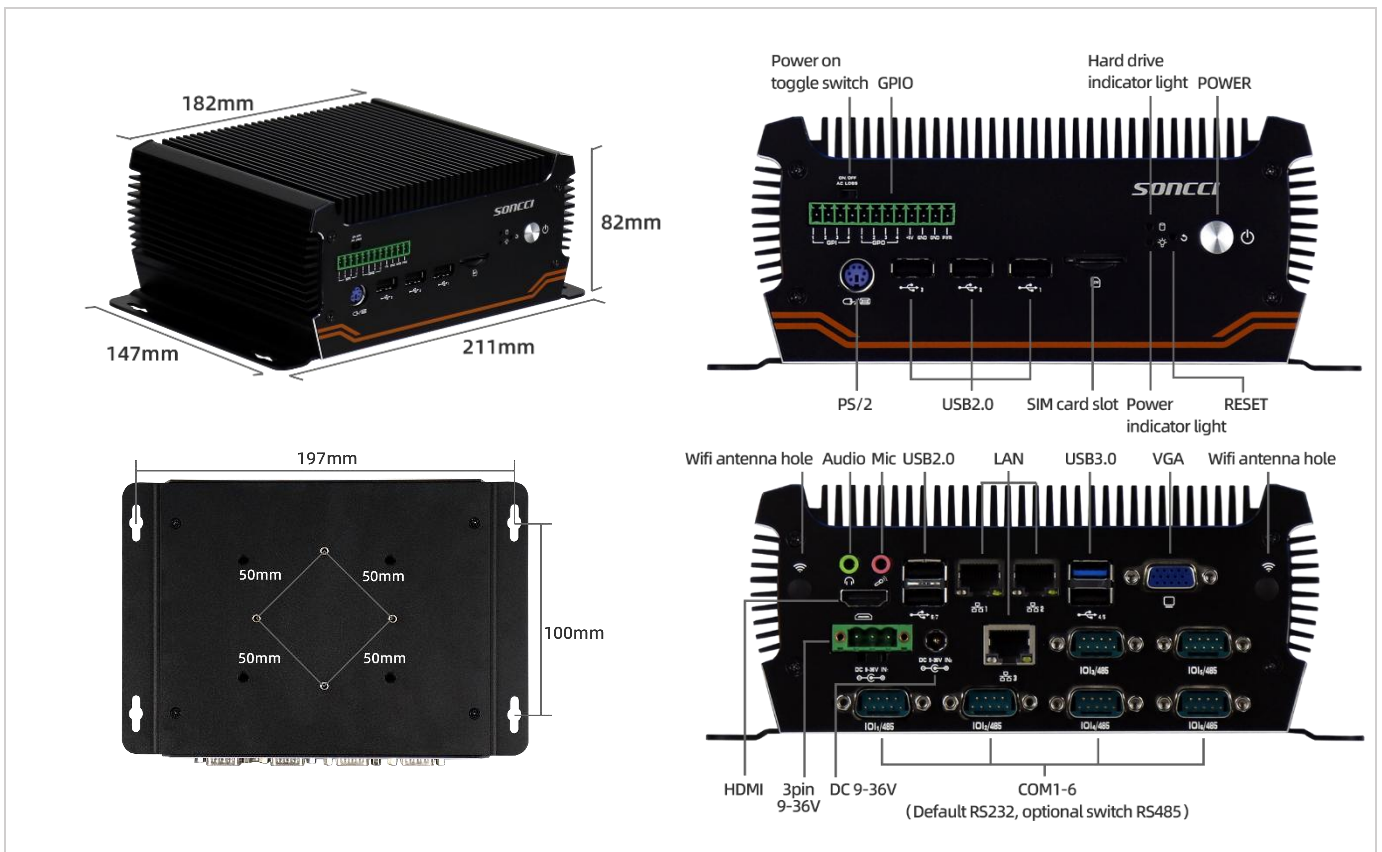
system	CPU	intel 3865U / i3-5020U / i5-6300U / i7-6650U / i5-7200U / i7-7500U / i3-8145U / i5-8265U / i7-8565U / i5-10210U
	Display chips	Intel Core Graphics Card
	Memory support	SO-DIMM DDR3/DDR4
	Hard disk support	mSATA solid-state drive/2.5-inch SATA hard drive
	Network card chip	Intel i211 Gigabit Network Card
	Audio chips	Integration
	Power supply characteristics	9 to 36V wide voltage range, with an external power adapter or an open power supply
	Wireless communications	Mini-PCIE slot (optional WIFI/Bluetooth/4G module)
	operating system	Supports Windows/Linux
	B I O S	Support for power-on startup, scheduled startup, support for network wake-up, and diskless booting
	Watchdog	The watchdog supports hardware reset (256 levels, 0 to 255 seconds)
interface	I/O interface	7x USB, 1x HDMI, 1x VGA, 3x LAN, 1x PS/2, 1x Audio, 1x Mic, 6x COM, 1x AC Loss, 1x GPIO, 1x DC 9-36V, 1x 3-pin 9-36V, 1x Power, 1x Reset, 1x Power LED, 1x HDD LED
	Extended interfaces	1x External SIM Card Slot, 1x Mini-PCIE
structure	Installation	Support embedded, wall-mounted, and desktop mounting
	Product dimensions	Host: 211×147×82mm, Packaging: 305×305×135mm
	Product weight	Net Weight: 1.8 kg, Gross Weight: 2.6 kg

	Material color	Aluminum alloy chassis, main unit color: black/silver
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	PS/2	Power
SCI-S5000R6 (3865U)	3865U	2/2	1.80 GHz	DDR4	1	1	1	3	6	1	1	3	4	1	1	9-36V
SCI-S5000R6 (i3-5020U)	i3-5020U	2/4	2.20 GHz	DDR3	1	1	1	3	6	1	1	5	2	1	1	9-36V
SCI-S5000R6 (i5-6300U)	i5-6300U	2/4	2.40-3.00 GHz	DDR4	1	1	1	3	6	1	1	5	2	1	1	9-36V
SCI-S5000R6 (i7-6650U)	i7-6650U	2/4	2.20-3.40 GHz	DDR4	1	1	1	3	6	1	1	3	4	1	1	9-36V
SCI-S5000R6 (i5-7200U)	i5-7200U	2/4	2.50-3.10 GHz	DDR4	1	1	1	3	6	1	1	3	4	1	1	9-36V
SCI-S5000R6 (i7-7500U)	i7-7500U	2/4	2.70-3.50 GHz	DDR4	1	1	1	3	6	1	1	3	4	1	1	9-36V
SCI-S5000R6 (i3-8145U)	i3-8145U	2/4	2.10-3.90 GHz	DDR4	1	1	1	3	6	1	1	3	4	1	1	9-36V
SCI-S5000R6 (i5-8265U)	i5-8265U	4/8	1.60-3.90 GHz	DDR4	1	1	1	3	6	1	1	3	4	1	1	9-36V
SCI-S5000R6 (i7-8565U)	i7-8565U	4/8	1.80-4.60 GHz	DDR4	1	1	1	3	6	1	1	3	4	1	1	9-36V
SCI-S5000R6 (i5-10210U)	i5-10210U	4/8	1.60-4.20 GHz	DDR4	1	1	1	3	6	1	1	3	4	1	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