

Dual Network Interface 10 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.
- Two gigabit network ports, supporting network wake-up and diskless boot, with an external SIM card slot, optional Wi-Fi/Bluetooth/4G module
- 10 RS232 DB9 COM serial interfaces, COM5-10 support RS485 switching, HDMI+VGA+DVI triple display
- 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-S5010C10 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+DVI triple 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 a fully enclosed design prevents dust from entering, ensuring stable operation of the main unit in a wide temperature range (-10 ~ 60°C). The flexible installation methods include embedded, wall-mounted, and desktop installation, and it can be used in fields such as industrial control, transportation, self-service terminals, security machine vision, mini servers, and smart cities.

Specifications

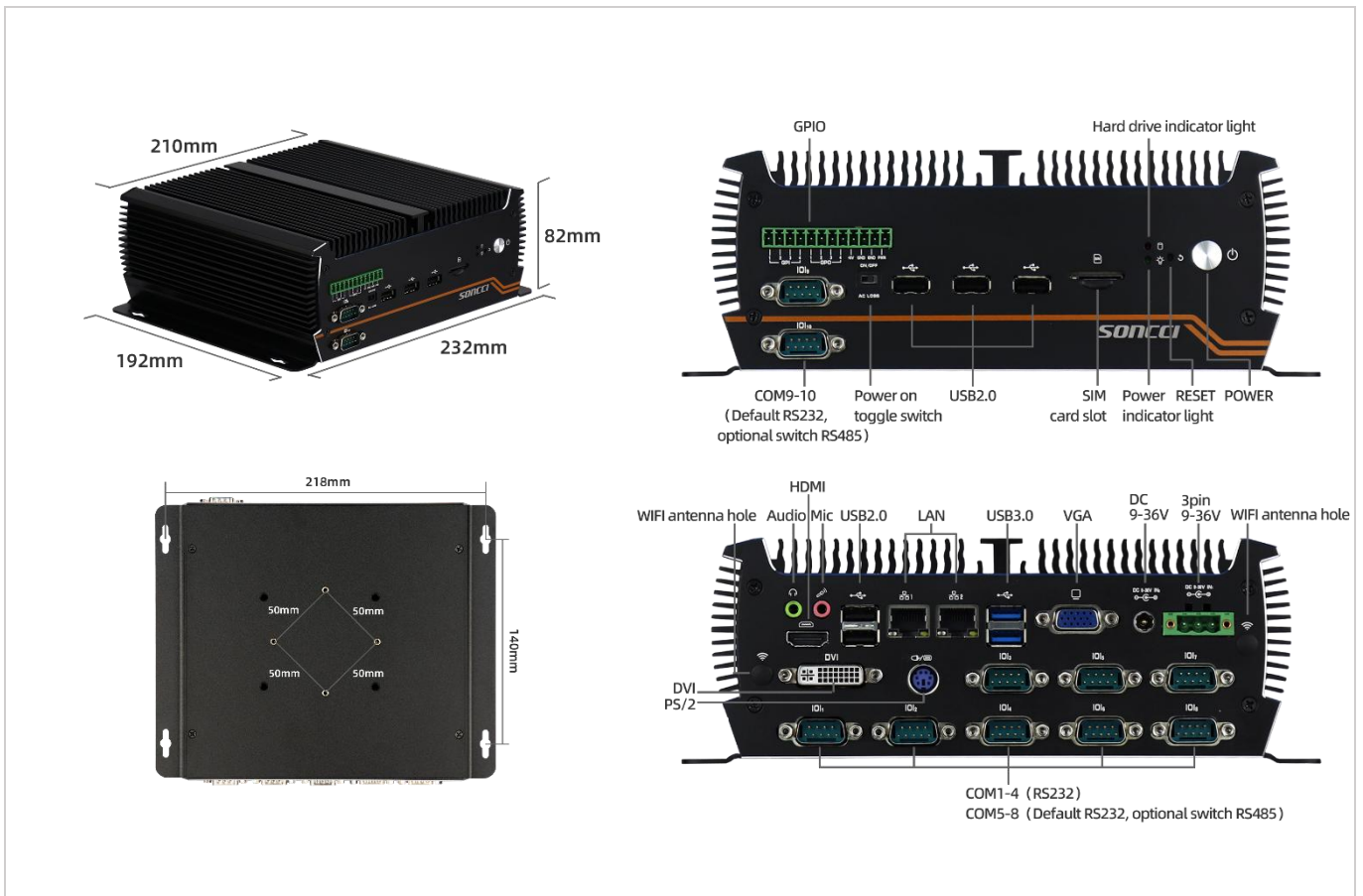
system	CPU	intel J1900 / 3865U / i3-5020U / i5-4310U / i5-6300U / i7-6650U / i5-7200U / i5-7360U / i7-7500U / i3-8145U / i5-8265U
	Display chips	Intel Core Graphics Card
	Memory support	SO-DIMM DDR3/DDR4
	Hard disk support	mSATA solid-state drive/2.5-inch SATA hard drive
	Network card chip	Intel i211 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	Built-in Mini-PCIe slot (optional Wi-Fi/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
interface	Watchdog	The watchdog supports hardware reset (256 levels, 0 to 255 seconds)
	I/O interface	7x USB, 1x HDMI, 1x VGA, 1x DVI, 2x LAN, 1x Audio, 1x Mic, 10x COM, 1x PS/2, 1x AC Loss, 1x GPIO, 1x DC 9-36V, 1x 3-pin 9-36V, 1x Power, 1x Reset, 1x Power LED, 1x HDD LED
structure	Extended interfaces	1x SIM card slot, 1x Mini-PCIE
	Installation	Support embedded, wall-mounted, and desktop mounting
	Product dimensions	Host: 232×192×82mm, Packaging: 305×305×135mm
	Product weight	Net weight: 2.5 kg, Gross weight: 3.3 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	DVI	USB2.0	USB3.0	SIM	Power
SCI-S5010C10 (J1900)	J1900	4/4	2.00-2.42 GHz	DDR3	1	1	1	2	10	1	1	1	6	1	1	9-36V
SCI-S5010C10 (3865U)	3865U	2/2	1.80 GHz	DDR4	1	1	1	2	10	1	1	1	3	4	1	9-36V
SCI-S5010C10 (i3-5020U)	i3-5020U	2/4	2.20 GHz	DDR3	1	1	1	2	10	1	1	1	5	2	1	9-36V
SCI-S5010C10 (i5-4310U)	i5-4310U	2/4	2.00-3.00 GHz	DDR3	1	1	1	2	10	1	1	1	5	2	1	9-36V
SCI-S5010C10 (i5-6300U)	i5-6300U	2/4	2.40-3.00 GHz	DDR4	1	1	1	2	10	1	1	1	3	4	1	9-36V
SCI-S5010C10 (i7-6650U)	i7-6650U	2/4	2.20-3.40 GHz	DDR4	1	1	1	2	10	1	1	1	3	4	1	9-36V
SCI-S5010C10 (i5-7200U)	i5-7200U	2/4	2.50-3.10 GHz	DDR4	1	1	1	2	10	1	1	1	3	4	1	9-36V
SCI-S5010C10 (i5-7360U)	i5-7360U	2/4	2.30-3.60 GHz	DDR4	1	1	1	2	10	1	1	1	3	4	1	9-36V
SCI-S5010C10 (i7-7500U)	i7-7500U	2/4	2.70-3.50 GHz	DDR4	1	1	1	2	10	1	1	1	3	4	1	9-36V
SCI-S5010C10 (i3-8145U)	i3-8145U	2/4	2.10-3.90 GHz	DDR4	1	1	1	2	10	1	1	1	3	4	1	9-36V
SCI-S5010C10 (i5-8265U)	i5-8265U	4/8	1.60-3.90 GHz	DDR4	1	1	1	2	10	1	1	1	3	4	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