

8. Network port wide voltage POE fanless embedded IPC

Key features

- Support intel Celeron/Core i3, i5, i7 processors, integrated intel core graphics card
- Support 1-2 SO-DIMM DDR3/4 memory slots, 2.5-inch SATA hard disk, mSATA, M.2 solid state drive
- Support independent dual display, 1*HDMI and 1*VGA display output
- Support 8* WGI211AT Gigabit LAN, LAN3~6 support POE function
- Support 1* DB9 RS232 serial interface, support RS485/232 switching, 1* RJ45 serial port, support RS485/422 switching
- Support 1*12PIN phoenix terminal, four-in and four-out GPIO, switch, 5V
- Support 4*USB3.0 interface, 3*USB2.0 interface
- The power supply supports wide voltage 9~36V 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
- fanless heat dissipation structure, all aluminum alloy material supports embedded, wall-mounted, and desktop installation



Product Introduction

SCI-S5100P4 fanless embedded industrial computer is equipped with Intel Celeron/Core processor, supports DDR3/4 memory, and is 2.5-inch SATA, mSATA, M. 2 Storage provides a variety of options. It is equipped with a wealth of interfaces and buttons, supports independent dual-display, HDMI or VGA optional, 8 WGI21 1AT gigabit network cards, LAN3~6 supports POE function, built-in 1 USB interface, 1 DB9 RS232 serial interface, supports RS485/232 switching, 1 RJ45 application port, supports RS485/232 switching, 1 RJ45 application port, supports RS485/232 switching, 1 RJ45 application port, supports RS485/232 switching, 1 RJ45 application port, supports RS485/232 switching, 1 RJ45 application port, supports RS485/232 switching, 1 RJ45 application port, supports RS485/232 switching, 422 switch; support 9~36V wide voltage input, expandable WIFI/Bluetooth/4G module, support Windows and Linux systems.

The aluminum alloy shell of the whole machine is strong and durable. The aluminum fin design quickly dissipates heat from the host. The internal cable is fanless and the 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 to install, and can be applied to industrial control, transportation, self-service terminals, security machine vision, mini servers, smart cities and other fields.

Specifications

system	CPU	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	8* Intel® WGI21 1AT Gigabit LAN, support Wake-on-LAN and PXE function, LAN3~6 support POE function
	Audio chips	integration
	Power supply characteristics	9~36V wide voltage, external power adapter or open frame power supply
	Wireless communications	Mini-PCIE slot (support WIFI/4G module, Note: WIFI and LAN8 are two options, the default LAN8)
	operating system	Support Windows/Linux
	B I O S	It supports power-on, timed boot, network wake-up, and diskless boot

	Watchdog	Watchdog supports hardware reset (256 levels, 0~255 seconds)
interface	I/O interface	7×USB、1×HDMI、1×VGA、8×LAN、1×Audio、1×Mic、1×RS232、1×GPIO、1×DC、1×Power、1×Reset、1×Power LED、1×HDD LED、1×PS/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	内置 USB	SATA/SSD	GPIO	LAN	COM	HDMI	VGA	USB2.0	USB3.0	SIM	Power
SCI S5100P4 (J1900)	J1900	4/4	2.00 2.42 GHz	DDR3	1	1	1	8	2	1	1	3	1	1	9-36V
SCI S5100P4 (5205U)	5205U	2/2	1.90 GHz	DDR4	1	1	1	8	2	1	1	3	4	1	9-36V
SCI S5100P4 (J4125)	J4125	4/4	2.00 2.70 GHz	DDR4	1	1	1	8	2	1	1	3	4	1	9-36V
SCI S5100P4 (J6412)	J6412	4/4	2.00 2.60 GHz	DDR4	1	1	1	8	2	1	1	3	4	1	9-36V
SCI S5100P4 (i3 5020U)	i3 5020U	2/4	2.20 GHz	DDR3	1	1	1	8	2	1	1	3	4	1	9-36V
SCI S5100P4 (i5 4310U)	i5 4310U	2/4	2.00 3.00 GHz	DDR3	1	1	1	8	2	1	1	3	4	1	9-36V
SCI S5100P4 (i5 6300U)	i5 6300U	2/4	2.40 3.00 GHz	DDR4	1	1	1	8	2	1	1	3	4	1	9-36V
SCI S5100P4 (i7 6650U)	i7 6650U	2/4	2.20 3.40 GHz	DDR4	1	1	1	8	2	1	1	3	4	1	9-36V
SCI S5100P4 (i5 7200U)	i5 7200U	2/4	2.50 3.10 GHz	DDR4	1	1	1	8	2	1	1	3	4	1	9-36V
SCI S5100P4 (i5 7360U)	i5 7360U	2/4	2.30 3.60 GHz	DDR4	1	1	1	8	2	1	1	4	4	1	9-36V
SCI S5100P4 (i7 7500U)	i7 7500U	2/4	2.70 3.50 GHz	DDR4	1	1	1	8	2	1	1	3	4	1	9-36V
SCI S5100P4 (i5 8265U)	i5 8265U	4/8	1.60 3.90 GHz	DDR4	1	1	1	8	2	1	1	3	4	1	9-36V
SCI S5100P4 (i7 8565U)	i7 8565U	4/8	1.80 4.60 GHz	DDR4	1	1	1	8	2	1	1	3	4	1	9-36V
SC+ S5100P4 (i5-10210U)	i5 10210U	4/8	1.60 4.20 GHz	DDR4	1	1	1	8	2	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 RS232 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