Dual network ports, dual serial ports, fanless embedded industrial computers

Key features:
- Support intel Celeron/Core i3, i5, i7 processors, integrated intel HD graphics
- Supports 1 SO-DIMM DDR3/4 memory slot, 2.5-inch SATA hard drive, mSATA, M.2 SSD
- 2 Gigabit Ethernet ports, support network wake-up, diskless boot, built-in SIM card slot, optional WIFI/Bluetooth/4G module
- 2 RS232 DB9 COM serial interfaces, and both support RS485 switching, HDMI+VGA dual display output
- BIOS support Watchdog watchdog hardware reset, power-on and power-on function
- Compact and sturdy fully sealed aluminum alloy chassis and large-area aluminum fin fanless heat dissipation structure, wide temperature (-10 ~ 60°C) stable operation
- Miniature and palm-sized, the host is available in black/silver, and supports embedded, wall-mounted, and desktop-mounted

Product Introduction

The SCI-S4050 fanless embedded computer is powered by intel Celeron/Core processors, supports DDR3/4 memory, and provides a variety of options in 2.5-inch SATA, mSATA, and M.2 storage. It is equipped with a wealth of interfaces, including LAN, COM RS232/485, USB, HDMI+VGA dual display, etc., expandable WIFI/Bluetooth/4G module, supporting 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, medical health, cloud terminals, security machine vision, mini servers, smart cities and other fields.
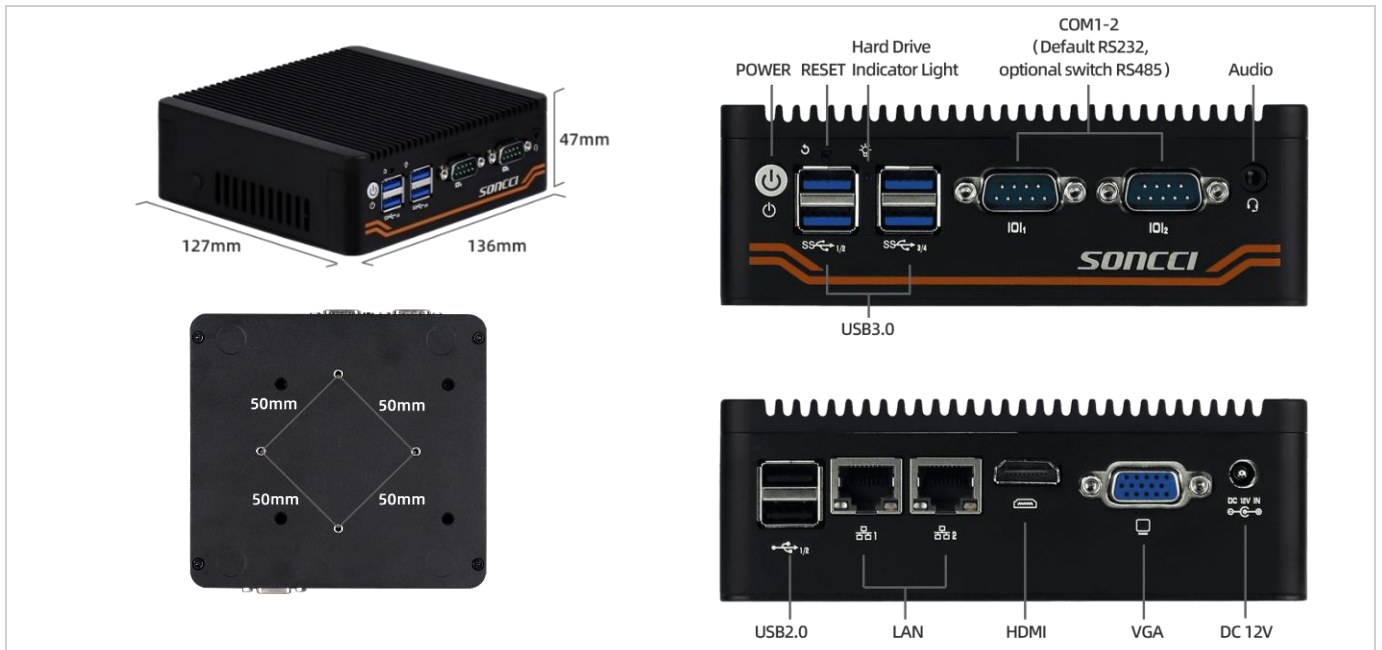
Specifications

system	C P U	intel N2830 / J1900 / N100 / J4125 / J6412 / i3-5005U / i5-4300U / i7-4600U / i5-5300U / i7-5600U
	Display chips	intel Core graphics card
	Memory support	SO-DIMM DDR3/DDR4
	Hard disk support	mSATA/M.2 SSD/2.5" SATA HDD
	Network card chip	Realtek RTL8111 Gigabit LAN card
	Audio chips	integration
	Power supply characteristics	Input AC 220V, DC 12V power adapter
	Wireless communications	1*Mini-PCIE slot (optional WIFI/Bluetooth/4G module)
	operating system	Support Windows/Linux
	B I O S	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	6×USB、1×HDMI、1×VGA、2×LAN、1×Audio、2×COM、1×DC、1×Power、1×Reset
	Extended interfaces	1×SIM external card slot, 1× Mini-PCIE
structure	Installation	Support embedded, wall-mounted, and desktop mounting
	Product dimensions	The main engine is 136×127×47mm, packing: 205×175×120mm
	Product weight	net weight:0.7kg, gross weight:1.3kg
	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	LAN	COM	HDMI	VGA	USB2.0	USB3.0	SIM	Power
SCI-S4050（N2830）	N2830	2/2	2.16-2.41 GHz	DDR3	1	1	2	2	1	1	6	N/A	1	DC 12V
SCI-S4050（J1900）	J1900	4/4	2.00-2.42 GHz	DDR3	1	1	2	2	1	1	5	1	1	DC 12V
SCI-S4050（N100）	N100	4/4	3.40 GHz	DDR4	1	1	2	2	1	1	4	2	1	DC 12V
SCI-S4050（J4125）	J4125	4/4	2.00-2.70 GHz	DDR4	1	1	2	2	1	1	4	2	1	DC 12V
SCI-S4050（J6412）	J6412	4/4	2.00-2.60 GHz	DDR4	1	1	2	2	1	1	4	2	1	DC 12V
SCI-S4050（i3-5005U）	i3-5005U	2/4	2.00 GHz	DDR3	1	1	2	2	1	1	5	1	1	DC 12V
SCI-S4050（i5-4300U）	i5-4300U	2/4	1.90-2.90 GHz	DDR3	1	1	2	2	1	1	5	1	1	DC 12V
SCI-S4050（i7-4600U）	i7-4600U	2/4	2.10-3.30 GHz	DDR3	1	1	2	2	1	1	5	1	1	DC 12V
SCI-S4050（i5-5300U）	i5-5300U	2/4	2.30-2.90 GHz	DDR3	1	1	2	2	1	1	5	1	1	DC 12V
SCI-S4050（i7-5600U）	i7-5600U	2/4	2.60-3.20 GHz	DDR3	1	1	2	2	1	1	5	1	1	DC 12V

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