Dual Network Interface 6 Serial Port Fanless Embedded Industrial Computer

Key features:

● Supports Intel Celeron/Core i3, i5, i7 processors, integrated with Intel Core graphics

● Support for 1 SO-DIMM DDR3/4 memory slot, mSATA, M.2 solid-state drive

● Two gigabit network ports, supporting network wake-up and diskless boot, with an integrated SIM card slot, optional Wi-Fi/Bluetooth/4G module

● Equipped with 6 RS232 DB9 COM serial interfaces, COM1-2 support RS485 switching, and provide HDMI+VGA dual display output

● BIOS supports hardware reset via Watchdog watchdog and power-on startup function

● 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℃)

Mini and compact, only the size of a palm, available in black/silver, supports embedded, wall-mounted, and desktop installation

Product Introduction

   The SCI-S4070 fanless embedded industrial computer is equipped with Intel Celeron/Core processors, supports DDR3/4 memory, and offers a variety of choices for mSATA and M.2 storage. It is equipped with a rich array of interfaces, including LAN, COM RS232/485, USB, and HDMI+VGA dual display outputs. It is also expandable with WIFI/Bluetooth/4G modules and supports Windows and Linux operating 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℃). The embedded, wall-mounted, and desktop installation methods allow for quick and flexible installation, and it can be applied to fields such as industrial control, power systems, cloud terminals, security machine vision, mini servers, and smart cities.
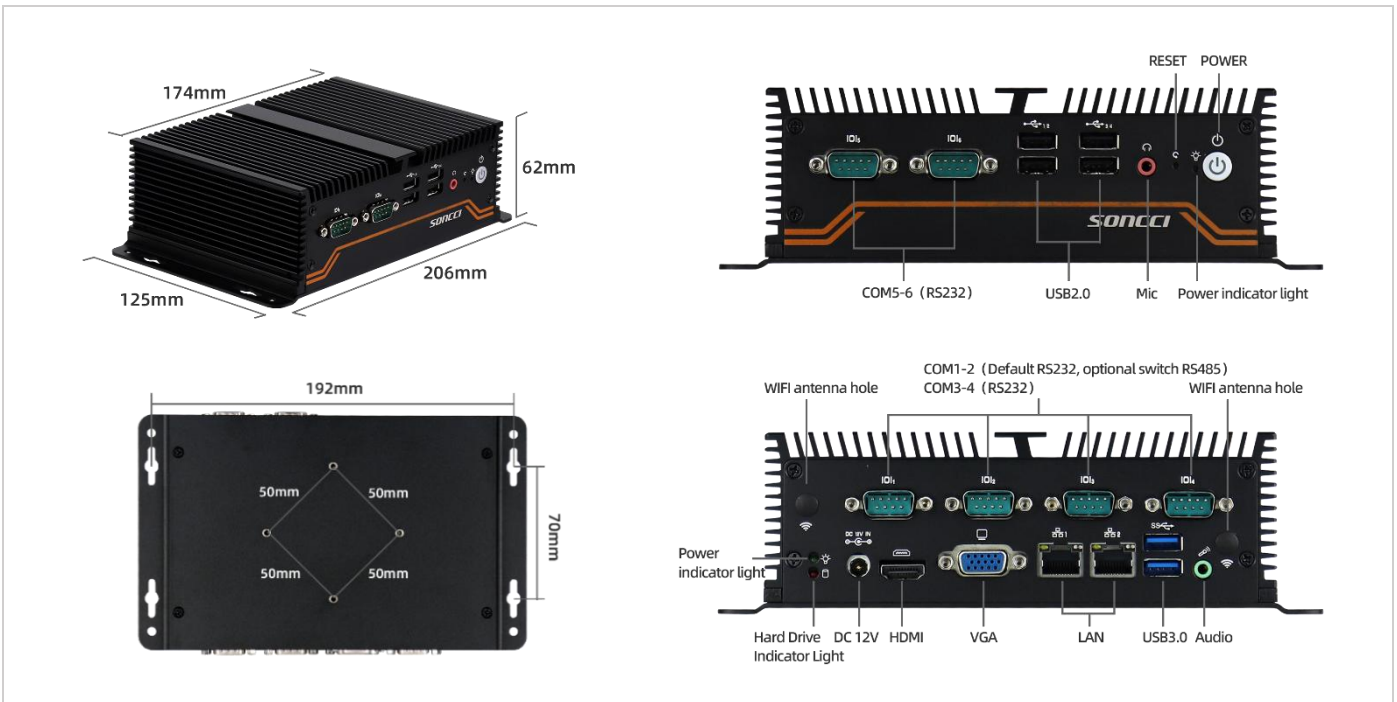
Specifications

system	C P U	intel i3-3217U / i5-3317U / J1900 / J4125 / J6412 / i5-6300U / i7-6500U / i5-7200U
	Display chips	Intel Core Graphics Card
	Memory support	SO-DIMM DDR3/DDR4
	Hard disk support	mSATA SSD/2.5" SATA HDD
	Network card chip	Realtek RTL8111 Gigabit Network Card
	Audio chips	Integration
	Power supply characteristics	Input AC 220V, DC 12V power adapter
	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	Watchdog supports hardware reset (256 levels, 0~255 seconds)
interface	I/O interface	6×USB、1×HDMI、1×VGA、2×LAN、1×Audio、1×Mic、6×COM、1×DC、1×Power、1×Reset、1×Power LED、1×HDD LED
	Extended interfaces	1×SIM built-in card slot, 1× Mini-PCIE
structure	Installation	Support embedded, wall-mounted, and desktop mounting
	Product dimensions	Host: 206×125×62mm, Packaging: 305×305×135mm

	Product weight	Net Weight: 1.2 kg, Gross Weight: 2.0 kg
	Material color	Aluminum alloy chassis, main unit color: black/silver
environment	Ambient temperature	Working environment: -10℃~60℃, transportation and storage environment: -20℃~70℃, 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-S4070（i3-3217U）	i3-3217U	2/4	1.80 GHz	DDR3	1	N/A	2	6	1	1	4	2	1	DC 12V
SCI-S4070（i5-3317U）	i5-3317U	2/4	1.70-2.60 GHz	DDR3	1	N/A	2	6	1	1	4	2	1	DC 12V
SCI-S4070（J1900）	J1900	4/4	2.00-2.42 GHz	DDR3	1	N/A	2	6	1	1	5	1	1	DC 12V

SCI-S4070 （J4125）	J4125	4/4	2.00-2.70 GHz	DDR4	1	N/A	2	6	1	1	4	2	1	DC 12V
SCI-S4070 （J6412）	J6412	4/4	2.00-2.60 GHz	DDR4	1	N/A	2	6	1	1	4	2	1	DC 12V
SCI-S4070 （i5-6300U）	i5-6300U	2/4	2.40-3.00 GHz	DDR4	1	N/A	2	6	1	1	4	2	1	DC 12V
SCI-S4070 （i7-6500U）	i7-6500U	2/4	2.50-3.10 GHz	DDR4	1	N/A	2	6	1	1	4	2	1	DC 12V
SCI-S4070 （i5-7200U）	i5-7200U	2/4	2.50-3.10 GHz	DDR4	1	N/A	2	6	1	1	4	2	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 communi cation	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