

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

SCI-S4050

Introduction and features



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.

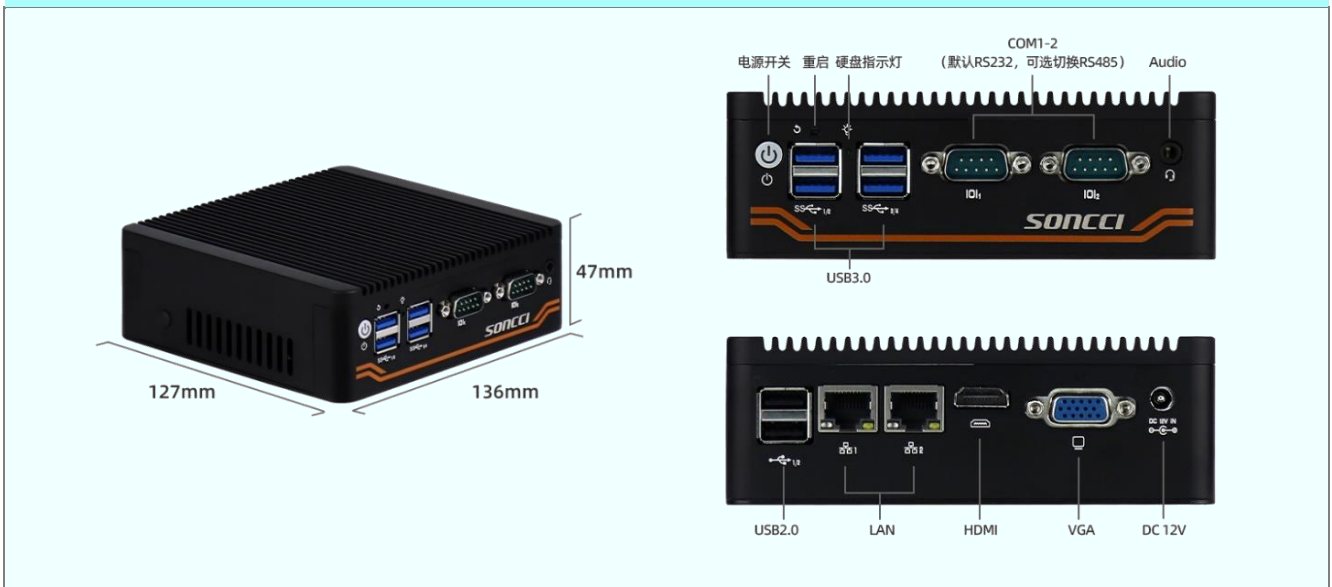
- Support intel Celeron/Core i3, i5, i7 processors, integrated intel HD graphics
- Supports 1 SO-DIMM DDR3/4 memory slot, 2.5-inch SATA hard drive, mSATA, M.2 SSD
- 2 Gigabit Ethernet ports, support network wake-up, diskless boot, built-in SIM card slot, optional WIFI/Bluetooth/4G module
- 2 RS232 DB9 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

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
Structure	Installation	Support embedded, wall-mounted, and desktop mounting
	Size and Weight	host:136×127×47mm, wrap: , net weight:0.7kg, gross weight:1.4kg
	Color	Aluminum alloy chassis, color: black/silver
Temperature	Ambient temperature	Working environment: -10°C~60°C; Transportation and storage environment: -20°C~70°C; Relative humidity: 5%-95% (non-condensing)
	Resistant to 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

Interface size



Product images



Ordering Information

Product model	Standard configuration	Upgrades are optional
SCI-S4050	intel Celeron N2830	J1900 / N100 / J4125 / J6412 / i3 / i5 / i7
	4G DDR3 memory	8G DDR3/4
	64G SSD	128G/256G/512G/1TB SSD, 500G/1TB/2TB 2.5 inch hard drive
	No WIFI	Optional addition of 2.4G/5G WIFI/Bluetooth, 4G module
	2*DB9 RS232 COM serial ports	2 RS485 COM serial ports
	Chassis black/silver	White, gray, etc