soncci

SCI-S5010C10	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℃)
● Support hardware reset for Watchdog, with black/silver options for the host, supporting embedded, wall-mounted, and desktop installation
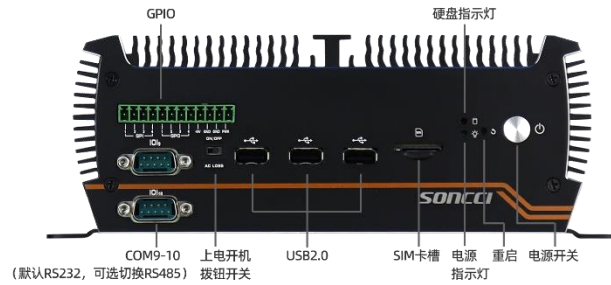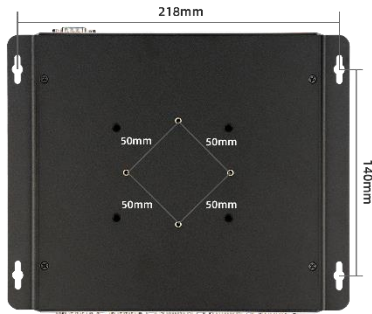
Product Introduction

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℃). 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.

Specimen Parameters

System	**C P U**	intel J1900 / 3865U / i3-5020U / i5-4310U / i5-6300U / i7-6650U / i5-7200U / i5-7360U / i7-7500U / i3-8145U / i5-8265U
	Display Chip	Intel Core Graphics Card
	Memory Support	SO-DIMM DDR3/DDR4
	Hard Drive Support	mSATA solid-state drive/2.5-inch SATA hard drive
	Network Interface Card Chip	Intel i211 Gigabit Network Card
	Audio Chip	Integration
	Power Characteristics	9 to 36V wide voltage range, with an external power adapter or an open power supply
	Wireless Communication	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
	Watchdog	The watchdog supports hardware reset (256 levels, 0 to 255 seconds)
Interface	**Input/Output 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
	Expand Interface	1x SIM card slot, 1x Mini-PCIE
Structure	**Installation MethodDimensions**	Supports embedded, wall-mounted, and desktop installation
	Product Dimensions	Dimensions: 232×192×82mm, Packaging: 305×305×135mm
	Product Weight	Net weight: 2.5 kg, Gross weight: 3.3 kg
	Material Color	Case Material: Aluminum Alloy Chassis, Main Unit Color: Black/Silver 色
Environment	**Environmental Temperature**	Work Environment: -10℃ to 60℃, Transportation and Storage Environment: -20℃ to 70℃, Relative Humidity: 5%-95% (No Condensation)
	Vibration and shock resistance	Vibration Resistance: 5~500Hz, 2Grms random vibration; Shock Resistance Working Condition: 10G@11ms
	Anti-interference static electricity	Anti-interference: EMI/EMC interference detection standards; ESD static: Contact discharge ±8KV, air discharge ±15KV

Product Image

Size Interface

210mm

82mm

192mm

232mm

218mm

50mm 50mm

140mm

50mm 50mm

GPIO 硬盘指示灯

COM9-10 上电开机 USB2.0 SIM卡槽 电源 重启 电源开关
（默认RS232，可选切换RS485） 拨钮开关 指示灯

HDMI

WIFI天线孔 Audio Mic USB2.0 LAN USB3.0 VGA DC 3pin WIFI天线孔
9-36V 9-36V

DVI
PS/2

COM1-4（RS232）
COM5-8（默认RS232，可选切换RS485）

Order Information

Product Model	Standard Configuration
SCI-S5010C10	Intel 3865U / 4G / 64G SSD

Optional Accessories and Configuration Upgrades

Component Name	Description
Wall Mount Bracket	For installation on the back of a monitor or on a wall
Host Configuration	CPU options include Intel J1900, i3-5020U, i5-4310U, i5-6300U, i7-6650U, i5-7200U, i5-7360U, i7-7500U, i3-8145U, and i5-8265U; memory options are 8GB/16GB; storage options include 128GB/256GB/512GB/1TB SSD, 500GB/1TB/2TB 2.5-inch SATA hard drives; dual-band 2.4G/5G Wi-Fi, Bluetooth, or 4G module can be added; 10 COM ports are standard with RS232, and 6 additional ports can be switched to RS485; the case color options are black or silver.