

SPC-8271D

2U Standard Rack-mounted Multi-LAN Dedicated PC

SPC-8271D is a 19" 2U standard rack-mounted Multi-LAN dedicated PC. It adopts COM board and carrier board architecture, and INTEL SkyLake-U Soc platform, wherein the carrier board is connected by means of high-speed connectors, and various functional modules are brought out via the carrier board. The PC has multiple expansion ports. The front panel and chassis of the complete PC are made of sheet metal structure. The PC has excellent heat dissipation, high EMC protection grade, and excellent anti-dust performance. It can be widely used in remote terminal management of substations, smart grid dispatch communication manager, power supervisory control and data acquisition (PSCADA) system, and subway comprehensive monitoring front-end processor (FEP), and fully meets the IEC 61850 international standard.



Product Features

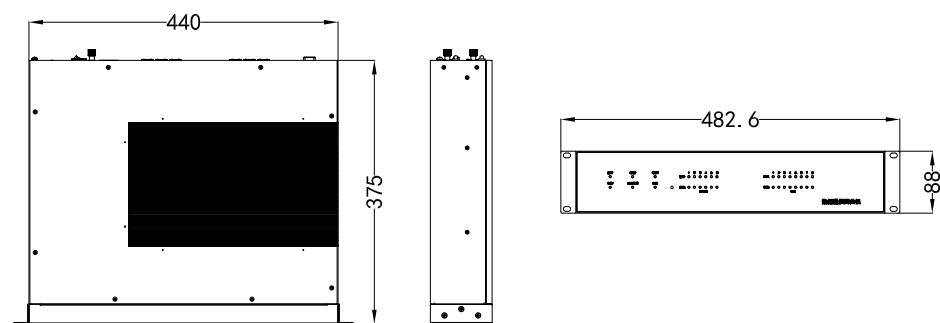
Conform to IEC-61850 international standard

EMC performance conforming to National Electric Power Level 4

12 × LAN port and 8 × serial port

Supports multiple operating systems

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
Main Functional Indicators	Processor	Based on Intel 3955U 2.0GHz/I3-6100U 2.3GHz/I5-6300U 2.4GHz/I7-6600U 2.6GHz processor
	Chipset	SkyLake-U SOC
	Memory	Provides 2 × 260Pin DDR4 2133MHz So-DIMM memory slot, with a maximum capacity of 16GB for each memory and a maximum total memory capacity of 32GB
	VGA	1 × VGA display port
	B code	1 × B code time tick port
	USB	The complete PC provides 3 × USB2.0 port
	Network/Serial Port Function	Onboard fixed configuration: 6 × Gigabit RJ45 LAN port. Standard configuration of the complete PC: 1 × network module (6 × Gigabit RJ45 LAN port). Standard configuration of the complete PC: 1 × serial port module (8 × serial port, in the form of 2*10Pin Phoenix terminal interfaces). Note: Network modules and serial port modules can be configured freely
	Storage	2 × 2.5-inch hard disk bay
	Expansion Bus	2 × network module or serial port module expansion slot (non-standard X4) and 1 × standard PCIE X1 expansion slot
	External IO Port	1 × standard VGA display interface; 1 B code time tick port, adopting 1 × 2Pin pitch 5.08 mm Phoenix terminal; 12 × LAN port, including onboard 6 × LAN port, and 6 × LAN port brought out by means of modular cards (among them, network module and serial port module can be configured freely) 8 × serial port, RS-232/485 configurable, supporting at least 4-channel RS232 two-device parallel connection, adopting 2 × 10Pin Phoenix terminal port. (Among them, the serial port module and network module can be
Main Performance Indicators	Dimensions	440mm (W) × 88 mm (H) × 375mm (D) (excluding mounting ears)
	Net Weight	About 11.25Kg (excluding the weight of the package and accessories)
	Color	Equipment color: Silver white
	Temperature	Working temperature: HDD: -5°C ~ +45°C, SSD: -25°C ~ +55°C Storage temperature: -40°C ~ +70°C
	Humidity	Constant damp heat: 40°C, 95%RH (non-condensing)
	Electromagnetic Compatibility	Complies with international standard IEC 61850"Substation Communication Network and System" Complies with national standard GB/T 15153-1"Telecontrol Equipment and Systems" Radiated disturbance: GB 9254-2008 class A Conducted disturbance: GB 9254-2008 class A GB/T 17626.2-2018 Electrostatic discharge class (IV) GB/T 17626.4-2018 Burst immunity class (IV) GB/T 17626.5-2019 Surge (shock) immunity class (IV) GB/T 17626.6-2008 Conducted immunity class (III) GB/T 17626.12-1998 Oscillatory waves immunity test class (III) GB/T 17626.3-2017 Radio frequency electromagnetic field radiation immunity class (III) GB/T 17626.9-2011 Pulse magnetic field immunity class (V) GB/T 17626.18-2017 Damped oscillatory magnetic field immunity class (V) GB/T 17626.8-2006 Power frequency magnetic field immunity class (V) GB/T 17626.11-2008 Voltage dips, short interruptions and voltage variations test (Capable of withstanding specified voltage dips 100%, duration 10ms)
	Reliability	MTBF≥30000h; MTTR≤0.5h
	Safety	Meet the basic requirements of GB4943
	Mechanical Environment Adaptability	Anti-vibration: capable of withstanding vibration response test of a severity level of Bm. (should be capable of withstanding vibration at 10m/s² acceleration when frequency f≤9Hz, amplitude is 3mm, and f>9~200Hz) and the vibration is exerted when the PC is powered off. Anti-shock: capable of withstanding shock test of a severity level of Bm, half-sine pulse duration: 11ms, peak-to-peak acceleration: 10g; the test is conducted when the PC is powered off.
	Power Supply Characteristics	nput: AC/50Hz, 110V~220V; DC: 110V~220V single power supply/redundant power supply (optional)

Ordering Information

Part No.	Model	Description
0010-145661	SPC-8271D	2U 19" rack-mounted multi-LAN port and multi-serial port complete PC/INTEL3955U2.0GHz/4G memory/128G SSD (non-wide-temperature)/12 × Gigabit LAN port/8 × isolated serial port/3 × USB2.0 at rear/1 × VGA/1 × B code/2-channel DO relay output/AC, DC110V~220V input 150W dual-power-supply/power loss alarm/neutral LOGO
0010-145671	SPC-8271D-01	2U 19" rack-mounted multi-LAN port and multi-serial port complete PC/INTEL13-6100U2.3GHz/4G memory/128G SSD (wide-temperature)/6 × Gigabit LAN ports/8 isolated serial ports/3 × USB2.0 at rear/1 × VGA/1 × B code/2-channel DO relay output/AC, DC110V~220V input 150W dual-power-supply/power loss alarm/neutral LOGO
0010-145681	SPC-8271D-02	2U 19" rack-mounted multi-LAN port and multi-serial port complete PC/INTEL5-6300U2.3Hz/4G memory/128G SSD (non-wide-temperature)/12 × Gigabit LAN port/8 × isolated serial port/3 × USB2.0 at rear/1 × VGA/1 × B code/2-channel DO relay output/AC, DC110V~220V input 150W dual-power-supply/power loss alarm/neutral LOGO
0010-203761	SPC-8271D-03	2U 19" rack-mounted multi-LAN port and multi-serial port complete PC/INTEL7-6600U 2.3Hz/16G memory/512G SSD (half-width temperature)/12 × Gigabit LAN port/8 × isolated serial port/3 × USB2.0 at rear/1 × VGA/1 × B code/2-channel DO relay output/AC, DC110V~220V input 150W dual-power-supply/power loss alarm/neutral LOGO

Optional Accessories

Part No.	Model	Description
1070-002871	EF-6LAN-001SPC	6 × self-adaptive RJ45 Gigabit LAN port module
1070-002881	EF-COM-037SPC	8 × RS232/485 serial port module, supporting at least 4-channel RS232 two-device parallel connection

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.