

SPC-8271D

19"2U Standard Rack Mount Multi-LAN-port Complete PC

SPC-8271D is a 19" 2U standard rack mount multi-LAN-port complete 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 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 fully meets the IEC 61850 international standard, and 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).



Product Features



Meets IEC-61850 international standard



12 x LAN port, 8 x COM port

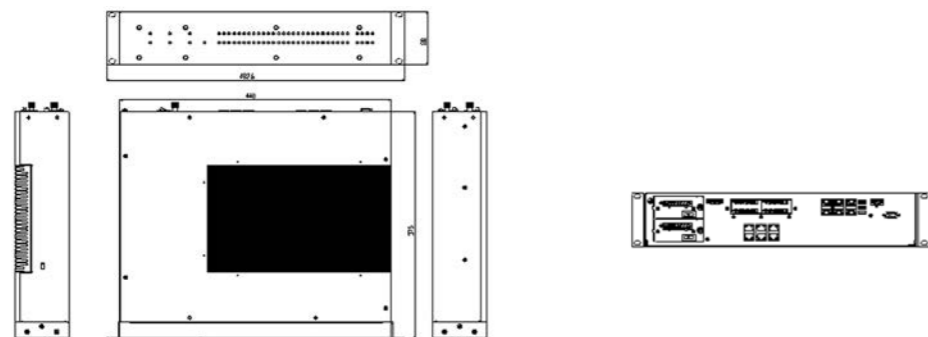


EMC performance meets the requirements of National Electric Power Level 4



Supports multiple operating systems

Product Dimensions Drawing



Please refer to the user manual to check detailed specifications and dimension. (Unit: MM)

Product Specifications

Item	Description	
Main Function Indices	Micro-processor	Based on Intel 3955U 2.0GHz/13-6100U 2.3GHz/15-6300U 2.4GHz/17-6600U 2.6GHz processor
	Chipset	SkyLake-U SOC
	Memory	Provides 2 x 260Pin DDR4 2133MHz So-DIMM memory slot, a single memory module supporting 16GB, the two supporting up to 32GB
	VGA	1 x VGA display port
	B Code	1 x B code time tick port
	USB	The PC provides 3 x USB2.0 port
	Network/COM Port Functions	Onboard fixed configuration: 6 x Gigabit RJ45 network port; Standard configuration of the PC: 1 x network module (6 x Gigabit RJ45 network port) Standard configuration of the PC: 1 x COM port module (8 x COM port, 2*10Pin phoenix terminal port) Note: Network module and COM port module can be configured freely
	Storage	2 x 2.5" hard disk bay
	Expansion Bus	2 x network module or COM port module expansion slot (non-standard X4) 1 x standard PCIE X1 expansion slot
	External IO Ports	1 x standard VGA display port 1 x B code time tick port, adopting 1×2Pin pitch 5.08mm phoenix terminal 12 x LAN port, including onboard 6 x LAN port, and 6 x LAN port brought out by means of modular cards (among them, network module and COM port module can be configured freely) 8 x COM port, RS-232/485 configurable, supporting at least 4-channel RS232 two devices connected in parallel, adopting 2×10Pin phoenix terminal port. (among them, COM port module and network module can be configured freely) 2-channel DO relay port, adopting 1×4Pin pitch 3.81mm phoenix terminal port Redundant power supply (optional), each power supply module providing 1 x 7Pin pitch 5.08mm phoenix terminal power input connector
Main Performance Indices	Dimensions(excluding mounting ears)	440mm (W) × 88 mm (H) × 375mm (D)
	Net Weight	About 11.25Kg (excluding weight of package and accessories)
	Color	Color of the PC: 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)
	EMC	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	Meets basic requirements of GB4943
	Mechanical Environmental Adaptability	Anti-vibration: capable of withstanding vibration response test of a severity level of Bm. (should be capable of withstanding vibration at 10m/s ² acceleration when frequency f≤9Hz, amplitude is 3mm, and f>9~200Hz); and 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 Features	Input: AC/50Hz, 110V~220V; DC: 110V~220V single power supply, redundant power supply optional Power consumption of the PC: 27.72W (standby state) Power consumption of the PC: 34.5W (working procedure AIDA64 CPU load 100%)

Ordering Information

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

Optional Accessories

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

Note: The final interpretation rights for product specifications, ordering information, etc. belong to EVOC Intelligent Technology Co., Ltd.