

SPC-8231-ZX

2U Standard Rack-mounted Multi-LAN Dedicated PC

SPC-8231-ZX is a 19" 2U standard rack-mounted Multi-LAN dedicated PC that meets IEC61850. The front panel and main body of the chassis are both of sheet metal structure. The complete PC is designed with multi-LAN ports and has excellent sealing, dust-proof, heat dissipation and EMC performance. It can be used in harsh environments with heavy pollution, dust and serious electromagnetic interference. It can be widely used in remote terminal management of substations, smart grid dispatch communication management, power supervisory control and data acquisition (PSCADA) system, subway comprehensive monitoring front-end processor (FEP) and other scenarios.



Product Features



Comply with IEC-61850 international standard



EMC performance conforming to National Electric Power Level 4

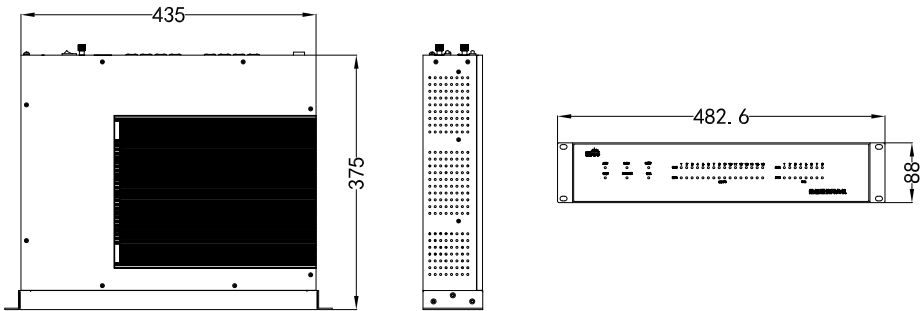


16 × LAN port (optional)



Redundant power supply

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 Zhaoxin C-Quadcore C4580 processor
	Memory	Provides 2 × 204Pin DDR3L SO-DIMM memory slot, with a maximum capacity of 16GB for each memory and a maximum total memory capacity of 32GB
	LAN	Provides 16 × Gigabit LAN port, including 8 × onboard port and 8 × additional port through an expansion card
	Storage	2 × 2.5-inch hard disk bay
	Other external IO ports	1 × VGA display port 4 × USB2.0 port 1 × B code time tick port in Phoenix terminal form 8 × serial port, RS232/485 configurable, with isolation, and using Phoenix terminal interface form 1 × device fault interface in Phoenix terminal interface form
	Expansion Bus	1 × built-in standard PCIE X1 expansion slot
	Power supply	Each power module provides 1 × 7Pin Phoenix terminal power input port
Main Performance Indicators	Dimensions (Excluding Mounting Ears)	435mm (W) *88mm (H) *375mm (D)
	Net Weight	About 12.2Kg (excluding the weight of the package and accessories)
	Color	Silver white
	Temperature	Working temperature: HDD: -5°C~+45°C; SSD: -15°C~+55°C Storage temperature: -40°C~+70°C
	Humidity	Constant damp heat: 40°C, 95%RH (non-condensing)
	Reliability	MTBF≥30000h MTTR≤0.5h
	Safety	Meet the basic requirements of GB4943
	Mechanical Environment Adaptability	抗Anti-vibration: capable of withstanding the vibration response test of severity level I (should be capable of withstanding the vibration with amplitude of 0.3 mm when frequency f ≤ 10 Hz, and at the acceleration of 1 m/sp when f > 10 ~ 150 Hz). Anti-shock: able to withstand the shock test at severity level
	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 17626.2-2006 Electrostatic Discharge Class (IV); GB/T 17626.4-2006 Burst Immunity Class (IV); GB/T 17626.5-2008 Surge (Shock) Immunity Class (IV); GB/T 17626.6-2008 Conducted Immunity Class (III); GB/T 17626.12-1998 Oscillatory Wave Immunity Test Class (III); GB/T 17626.3-2006 Radiated, Radio-frequency, Electromagnetic Field Immunity Class (III); GB/T 17626.9-1998 Pulse Magnetic Field Immunity Class (V); GB/T 17626.10-1998 Damped Oscillatory Magnetic Field Immunity Class (V); GB/T17626.8-2006 Power Frequency Magnetic Field Immunity Class (V); GB/T 17626.11-2008 Voltage Dips, Short Interruptions and Voltage Variations Immunity Tests (capable of withstanding 100% specified voltage dips for 10 ms)
	Power Supply Characteristics	Input: AC/50Hz, 110V~220V; DC: 110V~220V single power supply/redundant power supply (optional)
	Operating system	Supports high kernel version Linux systems such as Kylinsec and CentOS 7.x

Ordering Information

Part No.	Model	Description
0010-137471	SPC-8231-ZX	2U, 19" rack mount sealed multi-COM server/ Zhaoxin C4580 1.83GHz /4G memory /256G SSD/16 × Gigabit LAN port/8 × isolated serial port/4 × USB2.0 port at rear/1 × VGA/AC, DC110V~220V input 150W dual power supply/ power loss alarm/neutral
0010-137601	SPC-8231-ZX-01	2U, 19" rack mount special complete PC for power industry/ Zhaoxin C4580 1.83GHz /4G memory /256G SSD/16 × Gigabit LAN port/8 × isolated serial port/4 × USB2.0 port at rear/1 × VGA/AC, DC110V~220V input 150W dual power supply/power loss alarm/for state grid

Optional Accessories

Part No.	Model	Description
1070-002561	EF-8LAN-001SPC	8 × 1000Mbps RJ45 LAN port
1070-002571	EF-COM-035SPC	8 × RS232/485 serial port

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