

ROCKBOX-61850-2U

19" 2U Dedicated PC

19" 2U standard rack-mounted Multi-LAN dedicated PC that meets IEC61850. The complete PC is of sheet metal structure, with excellent dust prevention, heat dissipation and good EMC performance, and its EMC performance meets the requirements of National Electric Power Level 4. Supports Windows, Linux, domestic Kylin and other operating systems. It can be widely used in remote terminal management of substations, smart grid dispatch communication manager, 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

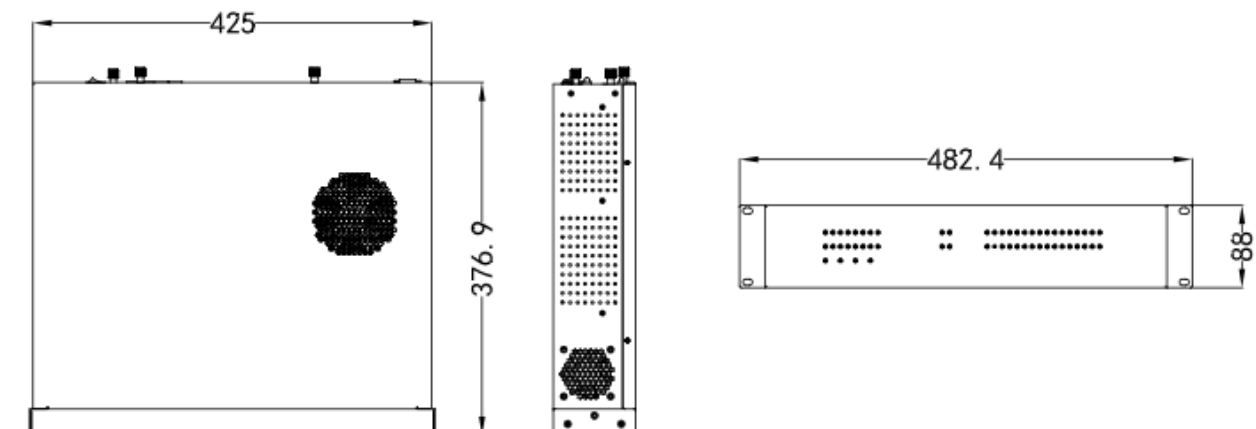


24 × LAN port (optional)



Redundant power supply

Product Dimensions Drawing



Product Specifications

Item	Description	
Main Functional Indicators	Processor	Onboard Xeon E3-1225V5 processor
	Chipset	C236
	Memory	Provides 2 × DDR4 memory slot, with a maximum capacity of 16GB for each memory and a maximum total memory capacity of 32GB
	Storage	1 × 2.5-inch hard disk bay, 1 × 3.5-inch hard disk bay and 1 × CF card slot
	LAN	Supports up to 24 × LAN port (onboard 8 × electrical port, others can be expanded through the network module, optical port and electrical port are optional)
	Serial port	1 × RS485 serial port in standard DB9 form, 1 × RS232 CONSOLE port in RJ45 form
	Built-in IO	Built-in VGA and USB debugging ports, providing 1 × PCIe X8 expansion slot
	Power supply	Each power module provides 1 × 7Pin Phoenix terminal power input port, including the hard node output port of the mains alarm model
Main Performance Indicators	Dimensions (Excluding Mounting Ears)	425mm (W) *88mm (H) *376.9mm (D)
	Net Weight	About 11.8Kg (excluding the weight of the package and accessories)
	Color	Black
	Temperature	Working temperature: -5°C ~ +45°C Storage temperature: -25°C ~ +70°C
	Humidity	Constant damp heat: 40°C, 95%RH (non-condensing)
	Reliability	MTBF≥50000h MTTR≤0.5h
	Safety	Meet the basic requirements of GB4943
	Mechanical Environment Adaptability	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 $f \leq 10$ Hz, and at the acceleration of 1 m/sp when $f > 10 \sim 150$ Hz). Anti-shock: able to withstand the shock test at severity level I
	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)
	Power Supply Characteristics	Input: AC/50Hz, 110V~220V; DC: 110V~220V single power supply/redundant power supply (optional)
Operating system	Supports Windows 7, Windows 10, Kylinsec, Cent OS and other high kernel version Linux systems.	

Ordering Information

Model No	Description
2U-R	2U, 19" rack-mounted industrial computer for power industry/Intel E3-1225V5 3.3GHz /16G memory/256GB 2.5-inch MLC SSD/2T 3.5-inch enterprise HDD/24 × Gigabit LAN port (8 × optical port and 16 × electrical port/excluding SFP)/1 × Console port/1 × isolated serial port/AC and DC110V-220V input 150W dual power supply/horizontal installation of power supply/power loss alarm
2U-T	2U, 19" rack-mounted industrial computer for power industry/Intel E3-1225V5 3.3GHz /16G memory/256GB 2.5-inch MLC SSD/2T 3.5-inch enterprise HDD/24 × Gigabit LAN port (8 × optical port and 16 × electrical port/excluding SFP)/1 × Console port/1 × isolated serial port/AC & DC110V-220V input 150W dual power supply/vertical installation of power supply/power loss alarm