RS120T Series

20-port IEC61850-3 Industrial Ethernet switches

- 16 Gigabyte Ethernet ports and 4 Gigabit fiber optic ports
- Designed for Railway application and fully compliant with the requirement of IEC 61850-3 and IEEE 1613
- RSTP/STP(IEEE 802.1s/w/D)
- IGMP v2/v3 (IGMP snooping support) for filtering multicast traffic
- Port Trunking for easy of bandwidth management
- SNMP v1/v2c/v3 support for secured network management
- Event notification through Syslog, Email, SNMP trap, and Relay Output
- support centralization management and configurable by Web- based ,Telnet,Console(CLI)
- PoE/PoE+ option

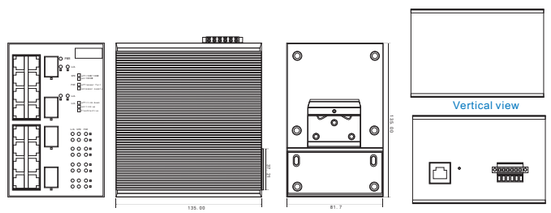
Overview:

The RS120T series are IEC 61850-3 managed Redundant Ring Ethernet switch with 16 Gigabyte Ethernet ports and 4 Gigabit fiber optic ports. It is designed for power substation application and rolling stock application, fully compliant with the requirement of IEC 61850-3 and IEEE 1613. With completely support of Ethernet Redundancy protocol, ERPS and RSTP/STP can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. It allows multiple redundant network rings of different redundancy protocols to join and function together as a larger and more robust compound network topology.

The RS120T series provided ease-of-use while maximizing fault-recovery swiftness, flexibility, compatibility, and cost-effectiveness in one set of network redundancy topology. In addition, the wide operating temperature range from -40 to 85°C can satisfy most of operating environment. Therefore, these switches are one of the most reliable choices for highly-managed Fiber Ethernet power substation and rolling stock application.

Dimensions:

Size:（mm）



Order information:

Model No	Description	
	10/100/1000BaseT(X)	1000BaseF(X) or SFP
WT-CS-90416G	16	4

Specifications:

Protocols	IGMPv1/v2/v3, GMRP, GVRP, SNMPv1/v2c/v3,DHCP Server/Client, DHCP Option 66/67/82,BootP,TFTP, SNTP,SMTP, RARP, RMON, HTTP, HTTPS,Telnet, SSH, Syslog,EtherNet/IP, PROFINET,Modbus/TCP, SNMP Inform, LLDP,IEEE 1588 PTP V2, IPv6, NTP Server/Client
MIB	MIB-II, Ethernet-Like MIB, P-BRIDGE MIB,Q-BRIDGE MIB, Bridge MIB, RSTP MIB, RMON MIB Group 1, 2, 3, 9
Flow Control	IEEE 802.3x flow control, back pressure flow control
Switch Properties	Priority Queues: 4 IGMP Groups: 256 Jumbo Frame Size:9.6 KB Max. Number of Available VLANs: 64 MAC Table size:8K VLAN ID Range: VID 1 to 409 Packet Buffer Size:4Mbit
Interface	Fiber Ports: 1000BaseF(X) or SFP Rj45 Ports: 10/100/1000BaseT(X) auto negotiation speed, and auto MDI/MDI-X connection Console port: RS-232 (RJ45 connector) LED Indicators: PWR,L/A,SPD, PoE(option)
Power Requirement	Input Power: 100~240VAC with power cord and dual +12~+48 VDC or -12~-48 VDC inputs in 6-pin terminal block Power Consumption: 12 Watts Overload Current Protection: Present
Physical Characteristics	Housing: Aluminum, IP40 protection Dimensions: 135 x 125 x 85mm (5.3 x 4.9 x 3.3 in) Weight: 900g Installation: DIN-rail mounting, Wall mounting
Environmental Limits	Operating Temperature: -40 ~ 85 ℃ (- 40 ~ 185 °F) Storage Temperature: -40 ~ 85 ℃ (- 40 ~ 185 °F) Ambient Relative Humidity: 5 ~ 95% (non-condensing)
Standards	Power Automation: IEC 61850-3, IEEE 1613 EMI : FCC Part 15, CISPR (EN55022) class A EMS: EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11 Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6 Safety: EN60950-1 IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3ab for 1000Base-T IEEE 802.z for 1000Base-X IEEE 802.3x for Flow control IEEE 802.3ad for LACP (Link Aggregation Control Protocol) IEEE 802.1p for COS (Class of Service) IEEE 802.1Q for VLAN Tagging IEEE 802.1D for STP (Spanning Tree Protocol) IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol) IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol) IEEE 802.1 for Authentication IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)
Warranty	5 years