RS110T Series

10-port IEC61850-3 Industrial Ethernet switches

- ▸ 8 fast Ethernet ports and 2 Gigabit combo ports, SFP socket
- ▸ 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)
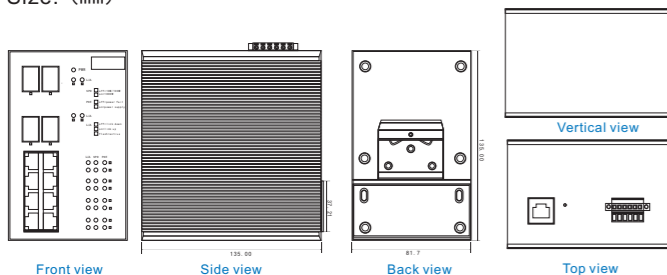- ▸ PoE/PoE+ option

Overview:

The RS110T series are IEC 61850-3 managed Redundant Ring Ethernet switch with 8 fast Ethernet ports and 2 Gigabit combo ports, SFP socket. 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 RS110T 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）

Front view   Side view   Back view   Vertical view   Top view

Order information:

Model No	Description	
	10/100/BaseT(X)	Gigabit combo ports, SFP socket
WT−CS-90208_T	8	2

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 4094 / Packet Buffer Size:1Mbit
Interface	Fiber Ports:Gigabit combo ports, SFP socket / Rj45 Ports: 10/100BaseT(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 45mm (5.3 x 4.9 x 1.8 in) / Weight:650g 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	Eower 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