

RPT-2008-2FM/FS-SC-X4 | Industrial 8 Port Managed Switch



FEATURE HIGHLIGHTS

- 6-port 10/100Tx Ethernet
- 2-port 100Fx - SC/ST connector (Multi/Single Mode)
- Network Redundancy: G.8032 ERPS, RSTP, MSTP
- Network Security: Radius, TACACS+, IP source guard
- Supports IEEE802.1p QoS and LACP
- Supports IEEE802.1Q VLAN, SNMP v1/v2c/v3,
- Redundant Power Inputs, 12-48VDC
- IP30 Rugged Metal Case Design, Din Rail (wall) mounting
- Operating Temperature Extended -40°C ~ 75°C optional

DESCRIPTION

RPT-2008-2FM/FS-SC-X4 with 6 10/100 TX RJ-45 fast ethernet ports and 2 port 100FX in SC or ST connector for your industrial applications. It designs to work in the industrial environment, such as in hazardous locations that comply with CE and FCC.

RPT-2008-2FM/FS-SC-X4 provide superior security software feature sets, ie Radius, SSH, SSL and network redundancy such as RSTP, MSTP, ERPS. USB port function is to provide hassle free configuration.

Power input and operating temperature is standard 12-48VDC and -10 to 65 degree C and optional for users to choose extended temperature version between -40 to 75 degree C.

RPT-2008-2FM/FS-SC-X4 | Industrial 8 Port Managed Switch

SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10Base-T Ethernet
	IEEE 802.3u 100Base-TX Fast Ethernet
	IEEE 802.3x Flow Control
	IEEE 802.1d STP (Spanning Tree Protocol)
	IEEE 802.1w RSTP (Rapid Spanning Tree Protocol)
	IEEE 802.1s MSTP (Multiple Spanning Tree Protocol)
	ITU-T G.8032 / Y.1344 ERPS v1/v2(Ethernet Ring Protection Switch)
	IEEE 802.1Q Virtual Local Area Network (VLAN)
	IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization
	IEEE 802.1X Network Authentication
	IEEE 802.1AB Link Layer Discovery Protocol (LLDP)
	IEEE 802.3ad Link Aggregation (LACP)
Processing Type	Store and Forward
Flow Control	IEEE 802.3x flow control, back pressure flow control
Network Management	
Management	IPv4/IPv6, SNMP v1/v2c/v3, LLDP, LLDP-MED, HTTP, HTTPS, SSHv2 telnet, DHCP client, DHCPv6 client, DHCP server, Port Mirror, DNS client/proxy, IP based Access Filter, ICMPv6, syslog, Time Zone /Daylight Saving, NTP client, RMON, sFlow, Loop detection, Console Port, Power lost warning, relay trigger
Security	Port-based/Single/Multi 802.1X, ACL(Port/Rate Limiters/ACE), MAC-based Authentication, VLAN assignment, QoS Assignment, Private VLAN, Guest VLAN, RADIUS accounting, TACACS+, IP MAC binding, WEB/CLI authentication, Authorization (15 levels), Port Security Limit Control, ACLs for filtering/policing/port copy, IP source guard, ARP Inspection
L2 Switching	Port/MAC/Protocol/IP Subnet-based VLAN, GARP/GVRP, Loop Guard, Link Aggregation static/LACP, BPDU guard, Error disable recovery, IGMP snooping v2/v3, MLD snooping v1/v2, IGMP filtering, IPMC throttling / filtering leave proxy, DHCP snooping, G.8032 v1/v2
L3 Switching	DHCP option82, static routes
QoS	802.1p Queueing, Input priority mapping, Storm control for Unicast/Multicast/Broadcast, Port/Queue/ACL policer, Port egress shaper, Queue egress shaper, DiffServ (DSCP), Tag remarking, Scheduler mode
Power Saving	ActiPHY, PerfectReach, IEEE 802.3az EEE power management
Network Redundancy	STP/RSTP/MSTP, port trunk with LACP, ERPS v1/v2 (<50ms)
Configuration	Http, Https, Telnet, SSH, CLI, TFTP, SNMP v3
System / Diagnostics	Dual Image Protection, PING, PING6

RPT-2008-2FM/FS-SC-X4 | Industrial 8 Port Managed Switch

SPECIFICATIONS

Switch Properties

Switching Fabric (Back-Plane)	1.6Gbps
Priority Queues	8
Max. Number of VLANs	4095
VLAN ID Range	VID 1 to 4095
Memory Buffer	4 Mbits
MAC Table Size	8K
IGMP Group	1024
Transfer Rate	14,880pps for Ethernet port
	148,800pps for Fast Ethernet port
	1,488,000pps for Gigabit Ethernet port

Interface

RJ45 Ports	6*10/100 Base-T(X)
	Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X
Fiber Ports	2*100Base-FX SC/ST type connector
Wave Length	1310nm (Multi mode/Single-mode)
LED Indicators	System: Power 1, Power 2, Master, Ring, Fault
	Ethernet ports: Speed/Link/Active
	Optical fiber: Link/Active
RS232 Serial Console	1*RS232 in RJ45 connector with console cable, baud rate 115,200bps,8,N,1
Relay Contact	24 VDC, 1A resistive
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m)
	100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)
Optical Cable	Multi-mode cable - 50/125um or 62.5/125um
	Single-mode cable - 9/125um or 10/125um

Power Requirements

Input Voltage	Dual 12-48VDC redundant power inputs
Power Connection	1*removable 6-contact terminal block
Overload Current Protection	Present (Slow-Blow Fuse)
Reverse Polarity Protection	Present
System Power Consumption	Max. 13W full loading

Mechanical Characteristics

Housing	Metal, IP30 protection
Dimensions (W x H x D)	54 x 142 x 99 mm (2.1 x 5.6 x 3.9 inch)
Weight	Unit weight: 0.86kg (1.9 lb), Shipping weight: 1.22kg (2.69 lb)
Mounting	DIN-Rail Mounting, Wall Mounting

RPT-2008-2FM/FS-SC-X4 | Industrial 8 Port Managed Switch

SPECIFICATIONS

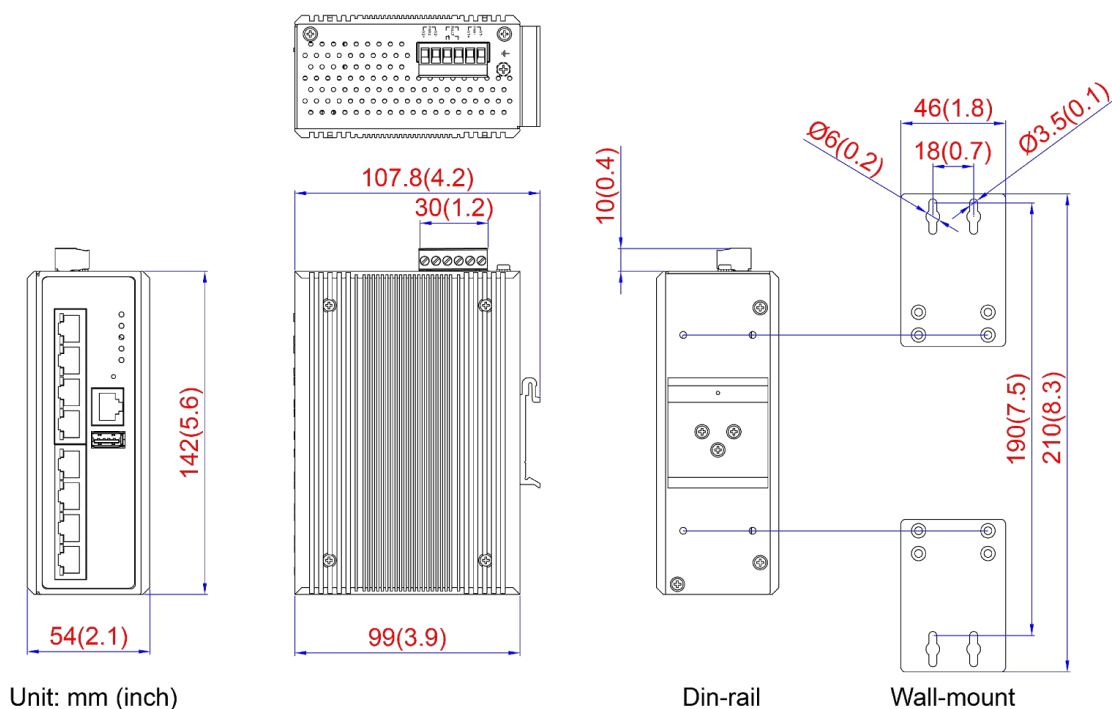
Environmental Limits

Operating Temperature	Standard: -10°C ~ 65°C (14°F ~ 149°F) Extend: -40°C ~ 75°C (-40°F ~ 167°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Ambient Relative Humidity	5 to 95%, (non-condensing)

Regulatory Approvals

EMI	FCC Part 15 Subpart B Class A, CE EN55022/EN61000-6-4 Class A
EMS	CE EN55024/EN61000-6-2 Class A: IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field)
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
MTBF	579,346 hours

DIMENSIONS



Unit: mm (inch)

Din-rail

Wall-mount

RPT-2008-2FM/FS-SC-X4 | Industrial 8 Port Managed Switch

ORDERING INFORMATION

Model Name	10/100TX	Fiber Mode	Transmission	Wave Length	Operating Temperature	Power input
RPT-2008-2FM-SC-X4	6	Multi/SC	2KM	1310nm	-10°C ~ 65°C	12-48VDC redundant
RPT-2008-2FS-SC-X4	6	Single/SC	30KM	1310nm	-10°C ~ 65°C	12-48VDC redundant