RPT-2006P-2FM/FS-X4 | Industrial 6 Port L2 Fast Ethernet PoE Switch

FEATURE HIGHLIGHTS

- 4-port 10/100 Base-T(X) with PoE 30W/port
- 2-port 100 FX, Multi mode 2KM or Single mode 30KM
- Fiber ports have the choice of SC or ST connector
- Multiusers account for security
- Redundancy : G.8032 ERPS v2/ STP/ RSTP/ MSTP
- RADIUS, TACACS+ authentication protocol
- QoS, LACP bandwidth control
- VLAN, SNMP v1/v2c/v3, ACL, IP source guard for security
- PoE ping alarm function for PoE ports power recycle
- Redundant power input 48-55VDC or 12-55VDC
- Operating temperature range -10°C ~ 65°C/ -40°C ~ 75°

DESCRIPTION

RPT-2006P-2FM/FS-X4 series is a 6-port managed PoE Fast Ethernet switch. It provides 4*10/100 Base-T(X) with IEEE 802.3 af/at PoE compliant ports and 2*100 FX ports for multi mode 2KM or single mode 30KM in SC or ST connector. RPT-2006P-2FM-SC-X4 series is full manageable Layer-2 Ethernet switch series and supports power inputs redundancy and PoE function with 30W per port output. RPT-2006P-2FM/FS-X4 series offers standardized network redundancy ITU-T G.8032 ERPS v2 (Ethernet Ring Protection Switch) protocol, providing <50ms recovery time to the network.

RPT-2006P-2FM/FS-X4 series provides comprehensive network security and management capability by supporting Multiusers account, IGMP, GVRP, VLAN, QoS, SNMP, RADIUS, TACACS+, Aggregation (Static, LACP), SSH, SSL, IP source guard to create a highly-secured network environment. For power saving purpose, assuring PD priority and enhancing security level of the network, RPT-2006P-2FM/FS-X4 series also supports PoE scheduling and PoE output limit function to set up PoE output duration and watt at will.

RPT-2006P-2FM/FS-X4 is designed to withstand harsh and extreme environment conditions. With fanless design, RPT-2006P-2FM/FS-X4 series are capable to be applied in extremely polarized temperature for its extended temperature version (-T), from -40°C to 75°C, making it the best choice in various industrial applications.

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SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10Base-T Ethernet
	IEEE 802.3u 100Base-TX Fast Ethernet and 100 FX fiber Ethernet
	IEEE 802.3af/at Power over 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/L3 Switching	Port/MAC/Protocol/IP Subnet-based VLAN, VLAN trunking, GARP/GVRP, Loop Guard, Link Aggregation static/LACP, BPDU guard, Error disable recovery, IGMPv2 snooping, MLD snooping, IGMP filtering, IPMC throttling / filtering leave proxy, DHCP snooping, ARP, MEP, G.8032 v1/v2, DHCP Option 82, Static routes

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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
PoE	POE/POE+ port power allocation, Power budget protection, PoE output scheduled, PoE alive check and remote reboot PD device
System / Diagnostics	Dual Image Protection, PING, PING6
Switch Properties	
Switching Fabric (Back-Plane)	12Gbps
Priority Queues	8
Max. Number of VLANs	4095
VLAN ID Range	VID 1 to 4095
Memory Buffer	4Mbits
Jumbo Frame	9.6Kbytes
MAC Table Size	8K
IGMP Group	1024
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port
Interface	
RJ45 Ports	4*10/100 Base-T(X) with PoE-PSE(30W/Port) Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (End-span, Mode A)
Fiber Port	2* 100FX Multi mode and Single Mode, SC/ST connector
Wavelength	1310nm (Multi mode and Single Mode)
LED Indicators	System: Power 1, Power 2, Master, Ring, Fault Ethernet ports: Speed/Link/Active Fixed Fiber: Link/Active PoE: On-connected to PD devices
RS232 Serial Console	1*RS232 in RJ45 connector with console cable, baud rate 115,200bps,8,N,1
Relay Contact	24 VDC, 1A resistive

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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	RPT-2006P-2FM-SC-X4 series: Dual 48-55VDC redundant power input
	RPT-2806P-2FM-SC-X4 series: Dual 12-55VDC 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. 7.5W full loading
Max. PoE Power Budget	RPT-2006P-2FM-SC-X4Series: 120W
	RPT-2806P-2FM-SC-X4Series: 90W@12VDC (default power budget), 120W@24-55VDC
PoE Power Output	30W max. per PoE port
Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions (W x H x D)	54 x 142 x 99 mm (2.13 x 5.59 x 3.9 inch)
Weight	RPT-2006P-2FM-SC-X4 Series: Unit weight: 0.96kg (2.11 lb) Shipping weight:1.26 kg (2.77 lb)
	RPT-2806P-2FM-SC-X4 Series: Unit weight: 1.02kg (2.24 lb) Shipping weight:1.32 kg (2.91 lb)
Mounting	DIN-Rail Mounting, Wall Mounting
Environmental Limits	
Operating Temperature	Standard: -10°C ~ 65°C (14°F ~ 149°F)
	Extended: -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)

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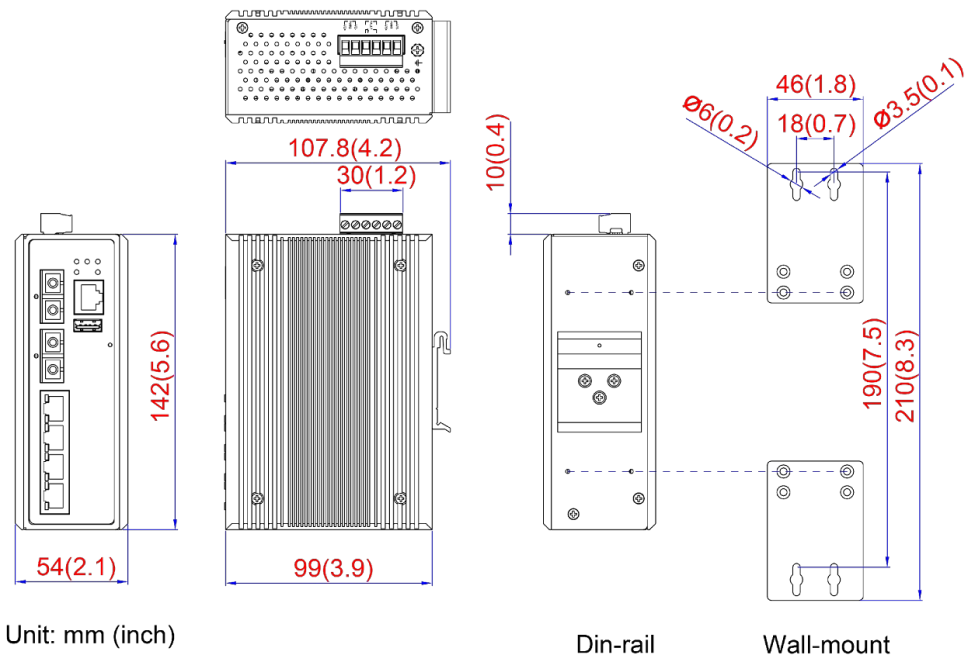
Regulatory Approvals	
EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
EMS	CE EN55035/EN61000-6-2 Class A: IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field)
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Safety	UL61010-1, UL61010-2-201
Compliance	NEMA TS2 (ITS) (apply by request)
MTBF (Telcordia SR-332, Issue 3, GB, 25°C)	RPT-2006P-2FM-SC-X4 Series: 525,227 hrs. RPT-2806P-2FM-SC-X4 Series: 438,555 hrs.

DIMENSIONS



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RPT-2006P-2FM-SC-X4 | Industrial 6 Port L2 Fast Ethernet PoE Switch

ORDERING INFORMATION

Model Name	10/100 TX (POE)	100 FX	Operating Temperature	Power input
RPT-2006P-2FM-SC-X4	4	2 SC Multi 2KM	-10°C ~ 65°C	48-55VDC redundant
RPT-2006P-2FM-SC-T-X4	4	2 SC Multi 2KM	-40°C ~ 75°C	48-55VDC redundant
RPT-2006P-2FS-SC-X4	4	2 SC Single 30 KM	-10°C ~ 65°C	48-55VDC redundant
RPT-2006P-2FS-SC-T-X4	4	2 SC Single 30 KM	-40°C ~ 75°C	48-55VDC redundant
RPT-2806P-2FM-SC-X4	4	2 SC Multi 2KM	-10°C ~ 65°C	12-55VDC redundant
RPT-2806P-2FM-SC-T-X4	4	2 SC Multi 2KM	-40°C ~ 75°C	12-55VDC redundant
RPT-2806P-2FS-SC-X4	4	2 SC Single 30KM	-10°C ~ 65°C	12-55VDC redundant
RPT-2806P-2FS-SC-T-X4	4	2 SC Single 30KM	-40°C ~ 75°C	12-55VDC redundant

** ST Type connector is available for your choice.
Please contact our sales for details or email to sales@sbjlink.com