

RPT-1006P-2FM/FS-X4 | Industrial 6 Port FE PoE Switch with Fiber Ports



FEATURE HIGHLIGHTS

- 4-port 10/100Tx Fast Ethernet with PoE 30W
- 2-port 100Fx - Multi/Single Mode in SC or ST
- Redundant Power Input Design, 48-55VDC
- Built-in Relay Output Warning for Power Failure
- IP30 Rugged Metal Case Design
- DIN-Rail Mounting, Wall Mounting
- Operating temperature: -10°C~65°C/-40°C~75°C

DESCRIPTION

RPT-1006P-2FM/FS-SC-X4 provides 4 fast Ethernet RJ-45 ports with IEEE802.3at PoE and 2 ports 100 FX in SC connector with Multi mode (RPT-1006P-2FM-SC-X\$) and Single mode(RPT-1006P-2FS-SC-X4) for your industrial applications. RPT-1006P-2FM/FS-SC-X4 also supports redundant power inputs that can be connected simultaneously to wide-range DC power sources. If one of the power inputs failure, the other live source acts as a backup to provide the RPT-1006P-2FM/FS-SC-X4 power needs automatically.

RPT-1006P-2FM/FS-SC-X4 is certified CE/FCC and UL. NEMA-TS 2 is available for extended temperature version. The fiber port has options in SC connector or ST connector. The 4 Power over Ethernet ports provide 30W each RJ45 port feeding to your device. For performing in extreme harsh environment, extended operating temperature version between -40 to 75 degree C is available for your alternatives.

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SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseT Ethernet
	IEEE 802.3u 100BaseTX Fast Ethernet
	IEEE 802.3 af/at Power Over Ethernet
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x flow control, back pressure flow control
Switch Properties	
Switch Architecture	Back-Plane: Non-Blocking Switching Fabric
Transfer Rate	14,880pps for Ethernet Port
	148,800pps for Fast Ethernet Port
Memory Buffer	448Kbits
MAC Table size	2K
Interface	
RJ45 Ports	4*10/100BaseT(X), PoE 30Watts IEEE802.3at, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
Fiber Port	2*100Fx SC/ST type connector
	Multi-mode (2Km) - 50/125um or 62.5/125um, Single-mode (30Km) - 9/125um or 10/125um
LED Indicators	Power 1, Power 2, Fault
	Ethernet Ports: On-Link/Flash-data transmitting
	PoE Ports: On- Connected to PD
Wavelength	Fiber Ports: On-Link/Flash-data transmitting
	1310nm
Network Cable	10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m)
	100BaseTX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)
Power Requirements	
Input Voltage	48-55VDC, Redundant Input
Overload Current Protection	Present(Slow-Blow Fuse)
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Present
Power Consumption	6 Watts
Max PoE Budget	120 Watts
Relay Contact	24VDC, 1A resistive

SPECIFICATIONS

Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	30 x 142 x 99 mm (W x H x D)
Weight	Unit Weight: 0.5kg, Shipping Weight: 0.7kg
Mounting	DIN-Rail Mounting, Wall Mounting
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 EN 55022 Class A
EMS	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	UL 508, ISA 12.12.01

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ORDERING INFORMATION

Model name	Description
RPT-1006P-2FM-SC-X4	4 port 10/100 TX PoE and 2 port FX SC Multi Mode 2KM. -10~65°C
RPT-1006P-2FM-SC-T-X4	4 port 10/100TX PoE and 2 port FX SC Multi Mode 2KM . -40~75°C
RPT-1006P-2FS-SC-X4	4 port 10/100 TX PoE and 2 port FX SC Single Mode 30KM. -10~65°C
RPT-1006P-2FS-SC-T-X4	4 port 10/100TX PoE and 2 port FX SC Single Mode 30KM . -40~75°C

**ST type connector are available.

Please contact our sales or email to sales@sbjlink.com

DIMENSIONS

Unit: mm

