

# RPT-1006-2FM/FS-X4 | Industrial 6 Port Fast Ethernet Switch with Fiber Ports



## FEATURE HIGHLIGHTS

- 4-port 10/100Tx Fast Ethernet
- 2-port 100Fx - SC Multi/Single Mode
- Redundant Power Input Design, 12-48VDC
- 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-1006-2FM/FS-X4 provides 4 fast Ethernet RJ-45 ports and 2 ports 100 FX in SC connector (Multi mode and Single mode) for your industrial applications. RPT-1006-2FM/FS-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-1006-2FM/FS-X4 power needs automatically.

RPT-1006-2FM/FS-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. Power over Ethernet version is also available to 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

<b>Technology</b>	
<b>Standards</b>	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet
<b>Processing Type</b>	Store and Forward
<b>Protocol</b>	CSMA/CD
<b>Flow Control</b>	IEEE 802.3x flow control, back pressure flow control
<b>Switch Properties</b>	
<b>Switch Architecture</b>	Back-Plane: Non-Blocking Switching Fabric
<b>Transfer Rate</b>	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
<b>Memory Buffer</b>	448Kbits
<b>Jumbo Frame</b>	-
<b>MAC Table size</b>	2K
<b>Interface</b>	
<b>RJ45 Ports</b>	4*10/100BaseT(X), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
<b>Fiber Port</b>	2*100Fx SC/ST type connector Multi-mode (2Km) - 50/125um or 62.5/125um, Single-mode (30Km) - 9/125um or 10/125um
<b>LED Indicators</b>	Power 1, Power 2, Fault Ethernet Ports: On-Link/Flash-data transmitting Fiber Ports: On-Link/Flash-data transmitting
<b>Wavelength</b>	1310nm
<b>Network Cable</b>	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)
<b>Power Requirements</b>	
<b>Input Voltage</b>	12-48VDC, Redundant Input
<b>Overload Current Protection</b>	Present(Slow-Blow Fuse)
<b>Power Connection</b>	1 removable 6-contact terminal block
<b>Reverse Polarity Protection</b>	Present
<b>Power Consumption</b>	5 Watts
<b>Relay Contact</b>	24VDC, 1A resistive

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## 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
Compliance	NEMA TS2 (ITS) - Extend Temperature (T) version

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## ORDERING INFORMATION

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

## DIMENSIONS

Unit: mm

