



### FEATURE HIGHLIGHTS

- 5-port 10/100Tx Fast Ethernet
- 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 Range  
Standard: -10°C ~ 65°C, Extend: -40°C ~ 75°C

### DESCRIPTION

RPT-1005-X4 provides 5 fast Ethernet RJ-45 ports for your industrial applications. RPT-1005-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-1005-X4 power needs automatically.

RPT-1005-X4 is certified CE/FCC and UL. It also comes with Fiber port options in SC connector that has 4 port 10/100 TX with 1 100 FX SC connector in multi or single mode. 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 and corrosive protection version is available for your alternatives.

**SPECIFICATIONS**

Technology	
Standards	IEEE 802.3 10BaseT Ethernet
	IEEE 802.3u 100BaseTX Fast 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
Jumbo Frame	-
MAC Table size	2K
Interface	
RJ45 Ports	5*10/100BaseT(X), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
LED Indicators	Power 1, Power 2, Fault
	Ethernet Ports: On-Link/Flash-data transmitting
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	12-48VDC, Redundant Input
Overload Current Protection	Present(Slow-Blow Fuse)
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Present
Power Consumption	3Watts
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: 0.45kg, Shipping Weight: 0.65kg
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)
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
Corrosion Protection	Corrosion Protection Version: IEC 60068-2-11, IEC 60068-2-52, IEC 60068-2-60
	IPC-CC-830B, MIL-I-46058C, IEC 61086-2 (Class 2), UL 94, UL 746E
	ISO 9223 (Class C5-Very High, Class CX-Extreme)
	ANSI/ISA 71.04 (Class GX-Severe)
Certifications	NEMA TS2 (ITS)-Extended Temperature version

## ORDERING INFORMATION

Model name	Description
RPT-1005-X4	5 Port Industrial Unmanaged 10/100 TX Fast Ethernet Switch. -10~65°C
RPT-1005-T-X4	5 Port Industrial Unmanaged 10/100TX Fast Ethernet Switch. -40~75°C

\*\*For corrosive protection version, please contact your Sbjlink sales or write to sales@sbjlink.com

## DIMENSIONS

Unit: mm

