



FEATURE HIGHLIGHTS

- 8-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-1008-X4 provides 8 fast Ethernet RJ-45 ports for your industrial applications. RPT-1008-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-1008-X4 power needs automatically.

RPT-1008-X4 is certified CE/FCC and UL. It also comes with Fiber port options in SC connector that has 4 port or 5 port 10/100 TX with 2 100 FX SC connector or SFP ports. . 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. RPT-1008-X4 is specially certified with E-Mark and NEMA-TS2 for intelligent transportation system application.

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
MAC Table size	2K Mac Addresses
Interface	
RJ45 Ports	8*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	3.5Watts
Relay Contact	24VDC, 1A resistive

SPECIFICATIONS

Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	30 x 140 x 95 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) 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 61010-1, UL61010-2-201, ISA 12.12.01
	E-Mark for RPT-1008-X4 (E) series only
Corrosion Protection	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)
Compliance	NEMA TS2 (ITS)-Extend Temperature version

ORDERING INFORMATION

Model name	Description
RPT-1008-X4	8 Port Industrial Unmanaged 10/100 TX Fast Ethernet Switch. -10~65°C
RPT-1008-T-X4	8 Port Industrial Unmanaged 10/100TX Fast Ethernet Switch. -40~75°C

**E-Mark or NEMA-TS2 version, please contact your Sbjlink sales or write to sales@sbjlink.com

DIMENSIONS

Unit: mm

