



## FEATURE HIGHLIGHTS

- 8-port 10/100/1000 Tx Gigabit 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-1008G-X4 provides 8 Gigabit Ethernet RJ-45 ports for your industrial applications. RPT-1008G-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-1008G-X4 power needs automatically.

RPT-1008G-X4 is certified CE/FCC and UL. It also has Power over Ethernet version that can 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-1008G-T-X4 is design compliant with NEMA-TS2 for intelligent transportation system application.

# RPT-1008G-X4 | Industrial 8 Port Unmanaged Gigabit Ethernet Switch

## SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseT Ethernet
	IEEE 802.3u 100BaseTX Fast Ethernet
	IEEE 802.3ab 1000Base TX 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
Switching Fabric (Back-Plane)	16Gbps
Memory Buffer	4Mbits
Jumbo Frame	9.6Kbytes
Transfer Rate	14,880pps for Ethernet Port
	148,800pps for Fast Ethernet Port
	1488,000pps for Gigabit Ethernet Port
MAC Table size	8K Mac Addresses
Interface	
RJ45 Ports	8*10/100/1000BaseT(X), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
LED Indicators	Power 1, Power 2, Fault
	Ethernet Ports: Link Active/Speed
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)
	1000Base TX: 4-pair UTP/STP CAT.5/5E cable; EIA/TIA568 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	9.2Watts full loading
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: 0.52kg, 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
Compliance	NEMA-TS2 for RPT-1008-X4 (E) series only
MTBF(Telcordia SR-332, Issue 3, GB, 25°C)	1,283,579 hours

## ORDERING INFORMATION

Model name	Description
RPT-1008G-X4	8 Port 10/100/1000 TX Fast Ethernet Switch. 12-48VDC. -10~65°C
RPT-1008G-T-X4	8 Port 10/100/1000 TX Fast Ethernet Switch. 12-48VDC. -40~75°C

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

## DIMENSIONS

Unit: mm

