

# RPT-1012G-2F2XF-X4 | 12 Port Industrial Gigabit Switch with 10G Uplink



## FEATURE HIGHLIGHTS

- 8-port 10/100/1000 Tx Gigabit Ethernet
- 2-port 1000Base FX SFP slots
- 2-port 10GbE SFP+ slots
- Redundant Power Input Design
- Built-in Relay Output Warning for Power Failure
- IP30 Rugged Metal Case Design
- DIN-Rail Mounting, Wall Mounting
- Operating Temperature -40°C ~ 65°C

## DESCRIPTION

RPT-1012G-4XF-X4 provides 8 10/100/1000 TX Gigabit Ethernet RJ-45 ports and 2 1000 Base FX SFP slots and 2 10GbE SFP+ slots for your industrial applications. RPT-1012G-4XF-X4 also supports redundant power inputs that can be connected simultaneously and back up for power feeding to the switch.

RPT-1012G-4XF-X4 is certified CE/FCC and UL61010. For performing in extreme harsh environment, standard operating temperature is -40 to 65 degree.

RPT-1012G-4XF-X4 also has PoE version as RPT-1012GP-4XF-X4 that support 30Watts per port and compliant to IEEE802.3af/at.

For SFP modules, you can choose from Sbjlink SFP selection guide with different distances. Please check <https://www.sbjlink.com/index.php>

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## SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10Base-T Ethernet
	IEEE 802.3u 100Base-TX Fast Ethernet
	IEEE 802.3ab 1000Base TX Gigabit Ethernet
	IEEE 802.3z 1000Base-X Gigabit Fiber
	IEEE 802.3ae 10Gigabit Ethernet
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x flow control, back pressure flow control
Switch Properties	
Switching Fabric (Back-Plane)	60Gbps
Memory Buffer	8Mbits
MAC Table Size	16K
Jumbo Frame	9.6Kbytes
Transfer Rate	14,880pps for Ethernet port
	148,800pps for Fast Ethernet port
	1,488,000pps for Gigabit Ethernet port
	14,880,000pps for 10 Gigabit Ethernet port
Interface	
RJ45 Ports	8*10/100/1000 Base-T(X) Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X
Fiber Port	2*1000Base FX SFP slots and 2*10GbE SFP+ slots
Wavelength	Depends on SFP modules
LED Indicators	System: Power 1, Power 2, Fault
	Ethernet ports: On-Link/Flash-data transmitting
	SFP: Link/Active
Relay Contact	24 VDC, 1A resistive
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m)
	100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)
	1000Base-TX: 4-pair UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)

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Power Requirements	
Input Voltage	Dual 12-48VDC redundant power inputs
Power Connection	1 removable 6-contact terminal block
Overload Current Protection	Present (Slow-Blow Fuse)
Reverse Polarity Protection	Present
System Power Consumption	Max. 11.3W full loading
Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions (W x H x D)	54 x 142 x 99 mm (2.1 x 5.6 x 3.9 inch)
Weight	Unit weight: 1.07kg, Shipping weight: 2.97kg
Mounting	DIN-Rail Mounting, Wall Mounting
Environmental Limits	
Operating Temperature	Standard: -40°C ~ 65°C (40°F ~ 149°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 EN55032/EN61000-6-4 Class A
EMS	CE EN55035/EN61000-6-2 Class A
	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	UL61010-1, UL61010-2-201
MTBF (Telcordia SR-332, Issue 3, GB, 25°C)	735,587 hrs.

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## ORDERING INFORMATION

Model name	Description
RPT-1012G-2F2XF-X4	8 Port 10/100/1000 TX + 2 1000 Base SFP ports+ 2 10GbE SFP+ slots 12-48VDC, -40~65°C

## DIMENSIONS

Unit: mm

