

# RPT-1010P-2C-X4 | Industrial 10 Port Fast Ethernet Switch with Combo Port



## FEATURE HIGHLIGHTS

- 8-port 10/100Tx Ethernet with PoE+
- 2-Giga Combo ports (2\*10/100/1000TX + 2100/1000 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 -10°C ~ 65°C (-40°C ~ 75°C)

## DESCRIPTION

RPT-1010P-2C-X4 provides 8 10/100 TX Fast Ethernet RJ-45 ports with IEEE 802.3at compliant PoE + function and 2 Giga Combo ports (2 10/100/1000 TX and 2 100/1000 SFP slots) for your industrial applications. RPT-1010P-2C-X4 also supports redundant power inputs that can be connected simultaneously and back up for power feeding to the switch.

RPT-1010P-2C-X4 is certified CE/FCC and UL61010. NEMA-TS 2 is compliant for its extended temperature version. For performing in extreme harsh environment, standard operating temperature is -10 to 65 degree and extended operating temperature version between -40 to 75 degree C.

RPT-1010P-2C-X4 also has it 24V booster version that has lower power voltage input and PoE booster design.

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

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## SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseT Ethernet
	IEEE 802.3u 100BaseTX Fast Ethernet
	IEEE 802.3ab 1000BaseT
	IEEE 802.3z 1000Base-X Gigabit Fiber
	IEEE 802.3af/at Power over 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)	5.6Gbps
Memory Buffer	4Mbits
MAC Table Size	8K
Jumbo Frame	9.6Kbytes
Transfer Rate	14,880pps for Ethernet Port
	148,800pps for Fast Ethernet Port
	1,488,000pps for Gigabit Ethernet Port
Interface	
RJ45 Ports	8*10/100 Base-T(X) with 8* PoE+ Auto-Negotiation, Full/Half Duplex Auto-MDI/MDI-X
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)
Gigabit Combo Port (Copper/SFP)	2*RJ45 Ports w/10/100/1000Tx Ethernet and 2*100/1000 SFP Slot
Wavelength	Depends on SFP modules
LED Indicators	System: Power 1, Power 2, Fault
	Ethernet ports: On-Link/Flash-data transmitting
	SFP: Link/Active
	PoE: On-connected to PD devices
Relay Contact	24 VDC, 1A resistive
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)
	1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)

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Power Requirements	
Input Voltage	Dual 48-55VDC 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. 12W full loading
PoE Power Output	30Watts max. per PoE port
Max. PoE Power Budget	200Watts/48VDC, 240Watts/55VDC
Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions (W x H x D)	46 x 142 x 99 mm (1.8 x 5.6 x 3.9 inch)
Weight	Unit weight: 0.796kg ( 1.75lb), Shipping weight: 0.98kg ( 2.16lb)
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 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, ISA 12.12.01
Compliance	NEMA TS2 (ITS) (apply by request)
MTBF (Telcordia SR-332, Issue 3, GB, 25°C)	600,100 hrs.

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## ORDERING INFORMATION

Model name	Description
RPT-1010P-2C-X4	8 Port 10/100 TX (30W/port) + 2 GE/SFP ports, 48-55VDC, -10~65°C
RPT-1010P-2C-T-X4	8 Port 10/100 TX (30W/port) + 2 GE/SFP ports, 48-55VDC, -40~75°C

## DIMENSIONS

