

RPT-M1005-X4 | Industrial 5 Port Unmanaged M12 Fast Ethernet Switch



FEATURE HIGHLIGHTS

- 5-port 10/100Tx Fast Ethernet
- M12 connector with IP67 housing
- Redundant Power Input Design, 12-48VDC
- IP67 Rugged Plastic Case Design
- DIN-Rail Mounting, Wall Mounting
- Operating Temperature Range
Standard: -10°C ~ 65°C, Extend: -40°C ~ 75°C

DESCRIPTION

RPT-M1005-X4 provides 5 fast Ethernet RJ-45 ports with M12 connector for your industrial applications. It is designed with the enclosure of IP67 rated protection. RPT-M1005-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-M1005-X4 power needs automatically.

RPT-M1005-X4 is certified CE/FCC. For performing in extreme harsh environment, extended operating temperature version between -40 to 75 degree C.

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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: 1Gbps
Transfer Rate	14,880pps for Ethernet Port
	148,800pps for Fast Ethernet Port
Memory Buffer	448Kbits
MAC Table size	1K
Interface	
RJ45 Ports	5*10/100BaseT(X), 4 Pin M12 D coded female connector. Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
LED Indicators	System: Power
	Ethernet Ports: On-Link/Flash-data transmitting
Power Requirements	
Input Voltage	12-48VDC, Redundant Input
Overload Current Protection	Present(Slow-Blow Fuse)
Power Connection	Dual DC power inputs through M12 5-pin A coded male connector
Reverse Polarity Protection	Present
Power Consumption	Max500mWatts full loading
Relay Contact	24VDC, 1A resistive

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SPECIFICATIONS

Mechanical Characteristics	
Housing	Rugged Plastic, IP67 protection
Dimensions	37.13 x 215.73 x 32.8 mm (W x H x D)
Weight	Unit Weight: 0.4kg, Shipping Weight: 0.5kg
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 55032 Class A EN55035
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
MTBF	3,563,071 hours

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ORDERING INFORMATION

Model name	Description
RPT-M1005-X4	5 Port Industrial Unmanaged 10/100 TX Fast Ethernet Switch. -10~65°C
RPT-M1005-T-X4	5 Port Industrial Unmanaged 10/100TX Fast Ethernet Switch. -40~75°C

DIMENSIONS

Unit: mm

