



FEATURE HIGHLIGHTS

- 16-port 10/100Tx Ethernet RJ45 connector
- 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 -10°C ~ 65°C (-40°C ~ 75°C)

DESCRIPTION

RPT-1016-X4 provides 16 10/100 TX Fast Ethernet RJ-45 ports for your industrial applications. RPT-1016-X4 also supports redundant power inputs that can be connected simultaneously and back up for power feeding to the switch.

RPT-1016-X4 is certified with CE/FCC. E-mark and 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-1016-X4 also has its full gigabit version as RPT-1016G that support higher bandwidth.

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	
Switching Fabric (Back-Plane)	3.2Gbps
Memory Buffer	4Mbits
MAC Table Size	16K
Jumbo Frame	1664 bytes
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
Interface	
RJ45 Ports	16*10/100 Base-T(X) Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X
Wavelength	Depends on SFP modules
LED Indicators	System: Power 1, Power 2, Fault Ethernet ports: On-Link/Flash-data transmitting
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)

SPECIFICATIONS

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. 3.5W full loading
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: 0.628kg (1.38lb), Shipping weight: 0.812kg (1.79lb)
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
Compliance	NEMA TS2, E-Mark (model by request)
MTBF (Telcordia SR-332, Issue 3, GB, 25°C)	1,593,197 hrs.

ORDERING INFORMATION

Model name	Description
RPT-1016-X4	16 Port 10/100 TX, 12-48VDC, -10~65°C
RPT-1016-T-X4	16 Port 10/100 TX, 12-48VDC, -40~75°C

DIMENSIONS

