



## FEATURE HIGHLIGHTS

- 4-port 10/100/1000Tx Ethernet with IEEE 802.3at Compliant PoE+ and 1-port 10/100/1000Tx Gigabit Ethernet
- Redundant Power Input Design 12-36VDC
- 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-1805GP-X4 provides 5 Gigabit Ethernet RJ-45 ports with 4 port PoE for your industrial applications. . The 4 PoE ports provide 30W each RJ45 port feeding to your device. RPT-1805GP-X4 also supports redundant power inputs that can be connected simultaneously and back up for power feeding to the switch. It has 12V-36VDC power booster design for low voltage application.

RPT-1805GP-X4 is certified CE/FCC. 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.

**SPECIFICATIONS**

<b>Technology</b>	
Standards	IEEE 802.3 10BaseT Ethernet
	IEEE 802.3u 100BaseTX Fast Ethernet
	IEEE 802.3ab 1000BaseT
	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
<b>Switch Properties</b>	
Switching Fabric (Back-Plane)	10Gbps
Memory Buffer	1Mbits
MAC Table Size	8K
Jumbo Frame	10Kbytes
Transfer Rate	14,880pps for Ethernet Port
	148,800pps for Fast Ethernet Port
	1,488,000pps for Gigabit Ethernet Port
<b>Interface</b>	
RJ45 Ports	5*10/100/1000 Base-T(X) with 4* 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)
Fiber Port	2*100/1000 SFP slots
Wavelength	Depends on SFP modules
LED Indicators	System: Power 1, Power 2, Fault
	Ethernet ports: On-Link/Flash-data transmitting 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)

## SPECIFICATIONS

Power Requirements	
Input Voltage	Dual 12-36VDC 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. 6.3W full loading
PoE Power Output	30Watts max. per PoE port
Max. PoE Power Budget	120Watts
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: 0.7kg (1.54 lb), Shipping weight: 0.9kg (1.98 lb)
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 EN55022/EN61000-6-4 Class A
EMS	CE EN55024/EN61000-6-2
	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
MTBF (Telcordia SR-332, Issue 3, GB, 25°C)	848,168 hrs.

## ORDERING INFORMATION

Model name	Description
RPT-1805GP-X4	5 Port 10/100/1000 TX with 4 port PoE (30W) 12-36VDC, -10~65°C
RPT-1805GP-T-X4	5 Port 10/100/1000TX with 4 port PoE (30W) 12-36VDC, -40~75°C

## DIMENSIONS

Unit: mm

