



FEATURE HIGHLIGHTS

- 4-port 10/100/1000Tx Ethernet with IEEE 802.3at Compliant PoE+
- 1-port 10/100/1000Tx Gigabit Ethernet
- Redundant Power Input Design, 48-55VDC
- Built-in Relay Output Warning for Power Failure
- IP30 Rugged Metal Case Design; DIN-Rail mount
- Operating Temperature Range
Standard: -10°C ~ 65°C, Extend: -40°C ~ 75°C

DESCRIPTION

RPT-1005GP-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-1005GP-X4 also supports redundant power inputs that can be connected simultaneously and back up for power feeding to the switch.

RPT-1005GP-X4 is certified CE/FCC and UL61010. 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

Technology	
Standards	IEEE 802.3 10BaseT Ethernet
	IEEE 802.3u 100BaseTX Fast Ethernet
	IEEE 802.3ab 1000BaseT
	IEEE 802.3af/at PoE PSE
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: Non-Blocking Switching Fabric
Transfer Rate	14,880pps for Ethernet Port
	148,800pps for Fast Ethernet Port
	1,488,000pps for Gigabit Ethernet Port
Memory Buffer	1Mbits
Jumbo Frame	10Kbytes
MAC Table size	8K
Switching Capacity	10Gbps
Interface	
RJ45 Ports	5*10/100/1000BaseT(X) with 4* PoE+, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)
LED Indicators	Power 1, Power 2, Fault
	Ethernet Ports: On-Link/Flash-data transmitting PoE : On-connected to PD devices
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	48-55VDC, Redundant Input
Overload Current Protection	Present(Slow-Blow Fuse)
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Present
PoE Power Output	30Watts max. per PoE port
Power Consumption	6Watts for system
Max. PoE Power Budget	120Watts
Relay Contact	24VDC, 1A resistive
Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	30 x 142 x 99 mm (W x H x D)
Weight	Unit Weight: 0.5kg, Shipping Weight: 0.7kg
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 EN 55022 Class A
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, UL 61010-2-201, ISA 12.12.01

ORDERING INFORMATION

Model name	Description
RPT-1005GP-X4	5 Port 10/100/1000 TX with 4 port PoE (30W). -10~65°C
RPT-1005GP-T-X4	5 Port 10/100/1000TX with 4 port PoE (30W). -40~75°C

DIMENSIONS

Unit: mm

