

RPT-1808P-2C-T-X4 | 8 Port Industrial Unmanaged Ethernet PoE+ Switch



FEATURE HIGHLIGHTS

- 6* 10/100Tx Ethernet with IEEE 802.3at Compliant PoE+
- 2* Giga Combo ports
(2*10/100/1000TX+2*100/1000 SFP slots)
- 12~55 VDC redundant power Inputs
- Relay output warning for power failure
- IP30 rugged metal case design
- DIN-Rail mounting, wall mounting
- Operating temperature, -10°C ~ 70°C (-40°C ~ 75°C)

DESCRIPTION

RPT-1808P-2C-X4 series provides 6* 10/100 TX Fast Ethernet RJ-45 ports with IEEE 802.3at compliant PoE+ features, and 2* giga combo ports (2* 10/100/1000TX and 2* 100/1000 SFP slots) for your industrial applications.

RPT-1808P-2C-X4 series supports 12~55 VDC booster for PoE+ function and redundant power inputs that can be connected simultaneously and back up for power feeding to the switch.

RPT-1808P-2C X4 series is certified CE/FCC and designed for extreme harsh environment supporting wide working temperature -10°C ~ 70°C or -40°C ~ 75°C.

RPT-1808P-2C-T-X4 | 8 Port Industrial Unmanaged Ethernet PoE+ Switch

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)	5.2 Gbps
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	6*10/100/1000 Base-T(X) with 6* PoE+ IEEE802.3at 30W 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 Ports (Copper/SFP)	2* 10/100/1000TX RJ45 and 2* 100/1000 SFP slots
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)

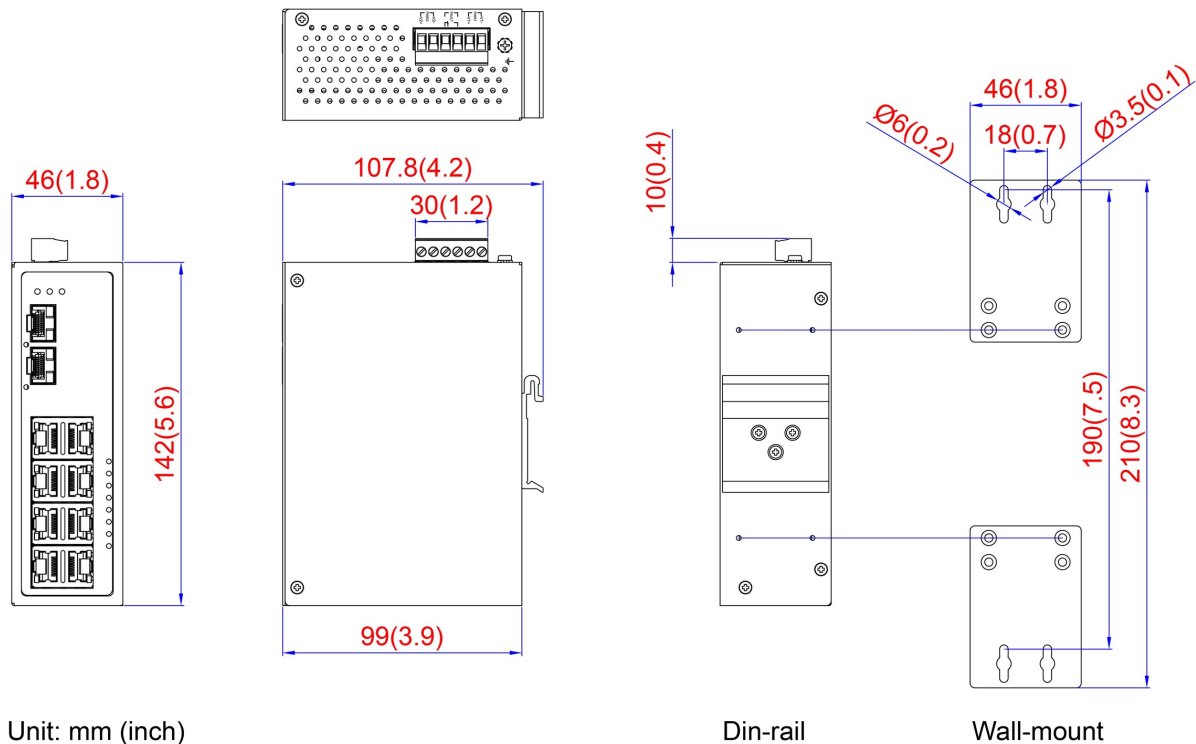
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Power Requirements	
Input Voltage	Dual 12-55VDC redundant power inputs
Power Connection	1 removable 6-contact terminal block
Overload Current Protection	Present (Slow-Blow Fuse)
Reverse Polarity Protection	Present
System Power Consumption	Max. 12W full loading
PoE Power Output	30Watts max. per PoE port
Max. PoE Power Budget	60Watts/12VDC; 180Watts/36~55VDC
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: 0.856kg (1.89 lb), Shipping weight: 1.04kg (2.29 lb)
Mounting	DIN-Rail Mounting, Wall Mounting
Environmental Limits	
Operating Temperature	Standard: -10°C ~ 70°C (14°F ~ 158°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 EN55032/EN61000-6-4 Class A
EMS	CE EN55035/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)	586,018 hrs.

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DIMENSION



ORDERING INFORMATION

Model Name	Description
RPT-1808P-2C-X4	6*10/100Tx with PoE (30W/Port) + 2* Gigabit Combo Ports, Din-Rail, 12~55VDC, -10°C ~ 70°C
RPT-1808P-2C-T-X4	6*10/100Tx with PoE (30W/Port) + 2* Gigabit Combo Ports, Din-Rail, 12~55VDC, -40°C ~ 75°C