

**RPT-2008GP-X4****Industrial 8 Port L2 Gigabit POE Switch****FEATURE HIGHLIGHTS**

- 8-port 10/100/1000Tx Ethernet with IEEE 802.3at PoE+
- Network Redundancy: G.8032 ERPS, RSTP, MSTP
- Supports IGMP v1/v2, up to 256 groups
- Supports IEEE802.1p QoS and CoS/ToS
- Supports IEEE802.1Q VLAN, SNMP v1/v2c/v3
- Redundant Power Inputs, 48-55VDC or 12-55VDC
- IP30 Rugged Metal Case Design, Din Rail (wall) mounting
- Operating Temperature Extended -40°C ~ 75°C, optional

**DESCRIPTION**

RPT-2008GP-X4 with 8 RJ-45 gigabit POE ports for your industrial applications. It designs to work in the industrial environment, such as in hazardous locations that comply with CE, FCC, UL61010. Power input and operating temperature is standard 48-55VDC and -10 to 65 degree C and optional for users to choose 12-55VDC wide power input and extended temperature version between -40 to 75 degree C.

RPT-2008GP-X4 provide superior security software feature sets, ie Radius, SSH, SSL and network redundancy such as RSTP, MSTP, ERPS. USB port function is to provide hassle free configuration.

RPT-2008GP-X4 series also has completed L2 software feature sets. This series also provides 8 port power over ethernet (PoE) with 30W per port as power sourcing equipment (PSE) with maximum 240W output in total for power device (PD).

# RPT-2008GP-X4 | Industrial 8 Port L2 Gigabit POE Switch

## SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10Base-T Ethernet
	IEEE 802.3u 100Base-TX Fast Ethernet
	IEEE 802.3ab 1000Base-T Gigabit Ethernet
	IEEE 802.3af/at Power over Ethernet
	IEEE 802.3x Flow Control
	IEEE 802.1d STP (Spanning Tree Protocol)
	IEEE 802.1w RSTP (Rapid Spanning Tree Protocol)
	IEEE 802.1s MSTP (Multiple Spanning Tree Protocol)
	ITU-T G.8032 / Y.1344 ERPS v1/v2(Ethernet Ring Protection Switch)
	IEEE 802.1Q Virtual Local Area Network (VLAN)
	IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization
	IEEE 802.1X Network Authentication
	IEEE 802.1AB Link Layer Discovery Protocol (LLDP)
IEEE 802.3ad Link Aggregation (LACP)	
Processing Type	Store and Forward
Flow Control	IEEE 802.3x flow control, back pressure flow control
Network Management	
Management	IPv4/IPv6, SNMP v1/v2c/v3, LLDP, LLDP-MED, HTTP, HTTPS, SSHv2 telnet, DHCP client, DHCPv6 client, DHCP server, Port Mirror, DNS client/proxy, IP based Access Filter, ICMPv6, syslog, Time Zone / Daylight Saving, NTP client, RMON, sFlow, Loop detection, Console Port, Power lost warning, relay trigger
Security	Port-based/Single/Multi 802.1X, ACL(Port/Rate Limiters/ACE), MAC-based Authentication, VLAN assignment, QoS Assignment, Private VLAN, Guest VLAN, RADIUS accounting, TACACS+, IP MAC binding, WEB/CLI authentication, Authorization (15 levels), Port Security Limit Control, ACLs for filtering/policing/port copy, IP source guard, ARP Inspection
L2 Switching	Port/MAC/Protocol/IP Subnet-based VLAN, GARP/GVRP, Loop Guard, Link Aggregation static/LACP, BPDU guard, Error disable recovery, IGMP snooping v2/v3, MLD snooping v1/v2, IGMP filtering, IPMC throttling / filtering leave proxy, DHCP snooping, G.8032 v1/v2

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L3 Switching	DHCP option82, IP route
QoS	802.1p Queueing, Input priority mapping, Storm control for Unicast/Multicast/Broadcast, Port/Queue/ACL policer, Port egress shaper, Queue egress shaper, DiffServ (DSCP), Tag remarking, Scheduler mode
Power Saving	ActiPHY, PerfectReach, IEEE 802.3az EEE power management
Network Redundancy	STP/RSTP/MSTP, port trunk with LACP, ERPS v1/v2(<50ms)
Configuration	Http, Https, Telnet, SSH, CLI, TFTP, SNMP v3
PoE	POE/POE+ port power allocation, Power budget protection, PoE output scheduled, PoE alive check and remote reboot PD device
System / Diagnostics	Dual Image Protection, PING, PING6
<b>Switch Properties</b>	
Back-Plane(Switching Fabric)	16Gbps
Priority Queues	8
Max. Number of VLANs	4095
VLAN ID Range	VID 1 to 4095
Memory Buffer	4Mbits
Jumbo Frame	9.6Kbytes
MAC Table Size	8K
IGMP Group	1024
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	8*10/100/1000Base-T(X) with 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 (End-span, Mode A)
LED Indicators	System: Power 1, Power 2, Master, Ring, Fault
	Ethernet ports: Speed/Link/Active
	PoE: On-connected to PD devices
RS232 Serial Console	1*RS232 in RJ45 connector with console cable
	baud rate 115,200bps,8,N,1
Relay Contact	24 VDC, 1A resistive

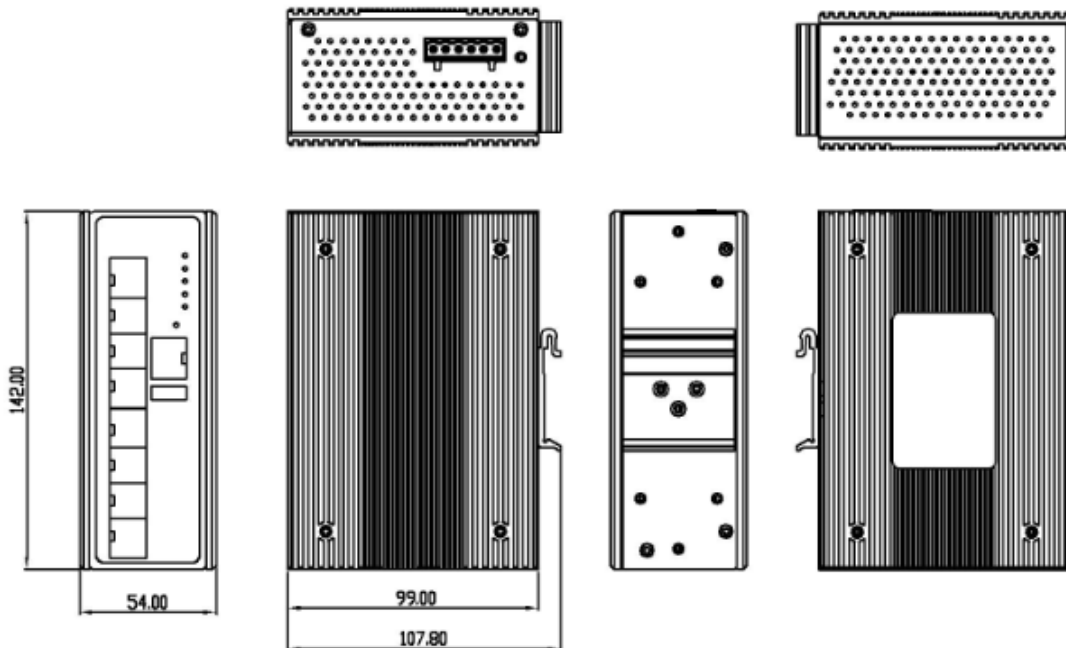
**RPT-2008GP-X4**
**Industrial 8 Port L2 Gigabit POE Switch**
**SPECIFICATIONS**

Power Requirements	
Input Voltage	RPT-2008GP-X4: dual 48-55VDC redundant power inputs RPT-2808GP-X4: 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. 15W full loading
Max. PoE Power Budget	RPT-2008GP (-T)-X4: 240W@48-55VDC
	RPT-2808GP (-T)-X4: 90W@12VDC, 180W@24VDC, 240W@48-55VDC
PoE Power Output	30W max. per PoE port
Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions (W x H x D)	54 x 142 x 99 mm (2.13 x 5.59 x 3.9 inch)
Weight	RPT-2008GP (-T)-X4: Unit weight: 0.86kg (1.90 lb), Shipping weight: 1.22kg (2.69 lb)
	RPT-2808GP (-T)-X4: Unit weight: 0.91kg (2.00 lb), Shipping weight: 1.27kg (2.80 lb)
Mounting	DIN-Rail Mounting, Wall Mounting
Environmental Limits	
Operating Temperature	Standard: -10°C ~ 65°C (14°C ~ 149°F)
	Extend: -40°C ~ 75°C (-40°C ~ 167°F)
Storage Temperature	-40°C ~ 85°C (-40°C ~ 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 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
MTBF (Telcordia SR-332, Issue 3, GB, 25°C)	RPT-2008GP-X4: 459,301 hrs.
	RPT-2808GP-X4: 458,070 hrs.

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## DIMENSIONS

Unit: mm



## ORDERING INFORMATION

Model Name	Software	10/100/1000 TX	Operating Temperature	Power input
RPT-2008GP-X4	L2	8	-10°C ~ 65°C	48-55VDC redundant
RPT-2008GP-T-X4	L2	8 (30W/ea)	-40°C ~ 75°C	48-55VDC redundant
RPT-2808GP-X4	L2	8	-10°C ~ 65°C	12-55VDC redundant
RPT-2808GP-T-X4	L2	8 (30W/ea)	-40°C ~ 75°C	12-55VDC redundant