



### FEATURE HIGHLIGHTS

- 8-port 10/100/1000Tx Ethernet
- 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, 12-48VDC
- IP30 Rugged Metal Case Design, Din Rail (wall) mounting
- Operating Temperature Extended -40°C ~ 75°C, optional

### DESCRIPTION

RPT-2008G-X4 with 8 RJ-45 gigabit 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 industrial standard 12-48VDC and -10 to 65 degree C and optional for users to choose extended temperature version between -40 to 75 degree C.

RPT-2008G-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-2008G-X4 series has completed L2 management software feature sets.

**SPECIFICATIONS**

<b>Technology</b>	
<b>Standards</b>	IEEE 802.3 10Base-T Ethernet
	IEEE 802.3u 100Base-TX Fast Ethernet
	IEEE 802.3ab 1000Base-T Gigabit 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)
<b>Processing Type</b>	Store and Forward
<b>Flow Control</b>	IEEE 802.3x flow control, back pressure flow control
<b>Network Management</b>	
<b>Management</b>	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
<b>Security</b>	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
<b>L2 Switching</b>	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

**SPECIFICATIONS**

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
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) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
LED Indicators	System: Power 1, Power 2, Master, Ring, Fault Ethernet ports: Speed/Link/Active
RS232 Serial Console	1*RS232 in RJ45 connector with console cable baud rate 115,200bps,8,N,1
Relay Contact	24 VDC, 1A resistive

**SPECIFICATIONS**
**Power Requirements**

Input Voltage	RPT-2008G-X4: 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. 13W full loading

**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-2008G (-T)-X4: Unit weight: 0.9kg (1.98 lb), Shipping weight: 1.3kg (2.87 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)

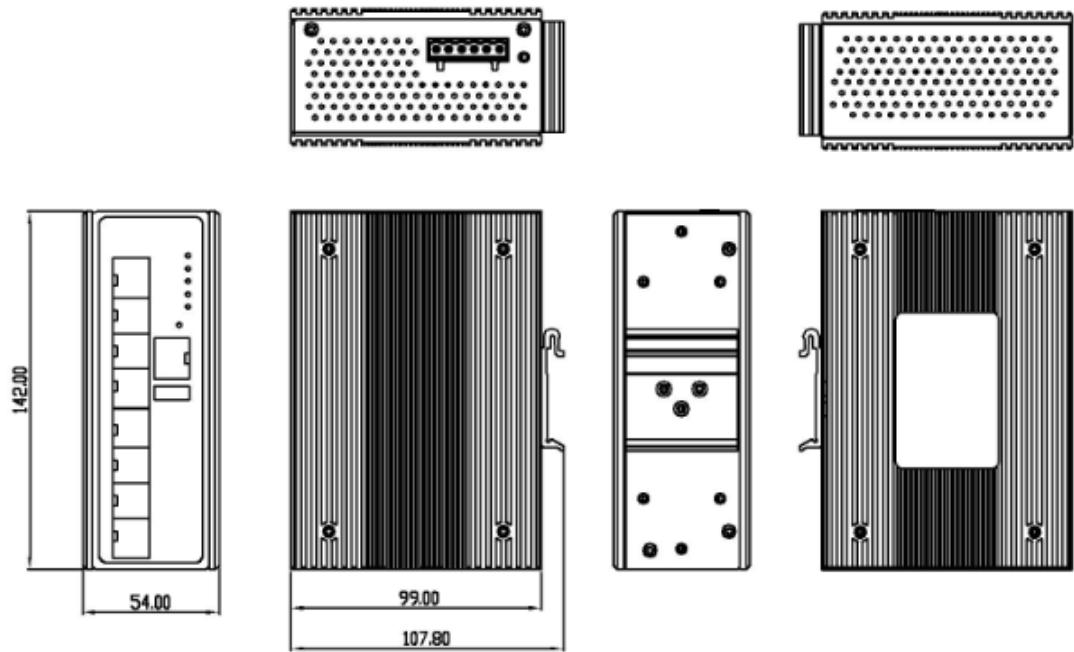
**Regulatory Approvals**

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 compliant
MTBF (Telcordia SR-332, Issue 3, GB, 25°C)	598,384 hrs.

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

## DIMENSIONS

Unit: mm



## ORDERING INFORMATION

Model Name	Software	10/100/1000 TX	Operating Temperature	Power input
RPT-2008G-X4	L2	8	-10°C ~ 65°C	12-48VDC redundant
RPT-2008G-T-X4	L2	8	-40°C ~ 75°C	12-48VDC redundant