

RPT-2012G-4F-T-X6M | 12 Port Industrial Managed Gigabit Switch



FEATURE HIGHLIGHTS

- 8 10/100/1000 Base T Ports
- 4 100/1000Base X SFP ports
- L2 management and security features
- Operating wide temperature -40 to 75 degree C
- Dual power input
- Aluminum housing IP40
- Din Rail mounting

DESCRIPTION

Features and Benefits

- Backplane bandwidth up to 20Gbps
- Wide and diverse power supply scope and types
- Use stainless aluminum alloy shell and hexagon socket screws
- Support network management
- Wire-speed forwarding and automatic turnover of all ports can support long-distance transmission
- Support configuration file upload and download
- Lightning protection grade: power supply ⚡ 4KV, network interface ⚡ 4KV
- IP40 protection grade
- Compact and easy to install, plug and play without configuration
- Fanless, wide temperature
- MTBF ≥ 300,000h

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SPECIFICATIONS

Technical Specifications-I

- IEEE 802.3 CSMA/CD Method and Physical Layer Specifications
- IEEE 802.1p Priority Queuing
- IEEE 802.1q VLAN Tagging
- IEEE 802.1d Spanning Tree Algorithm
- IEEE 802.1w Rapid Spanning Tree
- IEEE 802.1s Multiple Spanning Tree
- IEEE 802.1x Authentication
- IEEE 802.3ac VLAN Tagging
- IEEE 802.3ad Link Aggregation
- IEEE 802.3x Flow Control
- IEEE 802.3 Ethernet
- IEEE 802.3u Fast Ethernet
- IEEE 802.3z Gigabit Ethernet
- IEEE 802 Networks
- RFC 768 UDP
- RFC 791 IP
- RFC792 ICMP
- RFC 793 TCP
- RFC 826 ARP
- RFC 854 Telnet Client & Server
- RFC 862 Echo Protocol
- RFC 863 Discard Protocol
- RFC 904 Exterior Gateway Protocol Formal Specification
- RFC 1027 Using ARP to Implement Transparent Subnet Gateways
- RFC 1059 1119 NTPv1/v2
- RFC 1112 IGMP IP
- RFC 1866 HTML

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SPECIFICATIONS

Technical Specifications-II

- RFC 1166 Internet Numbers
- RFC 1191 Path MTU Discovery
- RFC 1542 Bootstrap Extensions & DHCP
- RFC 1851 The ESP Triple DES Transform ESP
- RFC 1994 PPP Challenge Handshake Authentication Protocol (CHAP)
- RFC 2068 HTTP
- RFC 213 DHCP Server
- RFC 2138 RADIUS
- RFC 2139 RADIUS Accounting
- RFC 2236 IGMPv2
- RFC 2474 DiffServ Precedence
- RFC 2475 DiffServ Core and Edge Router Functions
- RFC 2597 DiffServ Assured Forwarding
- RFC 2598 DiffServ Expedited Forwarding
- RFC 2644 Directed Broadcasts
- RFC 2865 Remote Authentication Dial User Service (RADIUS)
- RFC 3222 Forwarding Information Base (FIB)
- GMRP GARP
- GVRP GARP
- SSH2 Secure Shell 2
- IGMPv3
- IGMP Snooping

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SPECIFICATIONS

Switch Properties	
Backplane Bandwidth :	20Gbps
Switch Architecture:	Store-and-Forward
MAC Table Size:	8K
Packet Buffer Size:	4.1 Mbit
Exchange Rate :	148,800 pps/100M ports ; 1,488,000 pps/1000M ports

Software Functions	
Management Mode:	Web · Console · Telnet · SSH 2.0 · Syslog · NTP/SNTP · STD-62 SNMPv3 · SNMPv1 · SNMPv2 · FTP/TFTP
Diagnosis Mode :	Indicator light, journal file, port mirroring, TRAP
Redundancy:	RSTP · STP · MSTP · port trunking
Time Synchronization:	NTP
Others: :	4K VLANS · IPv4/IPv6 Multicast · storm control · support Jumbo Frame

Power Parameters	
Connection:	1 removable 5-PIN terminal
Input Voltage :	9.6 ~ 60VDC & 18 ~ 30VAC · Redundant dual power inputs
Overload Current Protection:	Supported
Reverse Polarity Protection:	Supported

Physical Performance	
Installation method :	Din Rail
Shell :	Aluminum alloy shell
IP Rating:	IP40
Dimensions (W x H x D):	52mm x 140mm x 110mm
Weight:	<0.75kg

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Mechanical Characteristics

Vibration :	IEC 60068-2-6
Shock:	IEC 60068-2-27
Freefall :	IEC 60068-2-31
Circuit Board :	Approved by IPC

Environment Limits

Storage Temperature :	-40°C ~ +85°C
Operating Temperature :	-40°C ~ +75°C
Ambient Relative Humidity :	5% ~ 95% (non-condensing)

Electromagnetic Characteristics

EMI:	FCC 47 CFR Part 15 Class A
	EN55032 Class
	AEN55035
	Class A
EMC:	IEC(EN)61000-4-2, Class 4
	IEC(EN)61000-4-3, Class 3
	IEC(EN)61000-4-4, Class 4
	IEC(EN)61000-4-5, Class 4
	IEC(EN)61000-4-6, Class 3
	IEC(EN)61000-4-8, Class 5

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ORDERING INFORMATION

Model name	Description
RPT-2012G-4F-T-X6M	4*100/1000BaseX SFP ports , 8*10/100/1000BaseT ports, wide temp, DC dual power, IP40 housing, Layer 2 management

Other Port Configurations

Model Name	Description
RPT-2006G-2F-T-X6M	2*100/1000BaseX SFP ports , 4*10/100/1000BaseT ports
RPT-2010G-2F-T-X6M	2*100/1000BaseX SFP ports , 8*10/100/1000BaseT ports

DIMENSIONS

Unit: mm

