



FEATURE HIGHLIGHTS

- 6 10/100 Base T Ports
- 2 100 Base X SC ports
(Multi mode 5KM/Single mode 20KM)
- L2 management features
- Operating wide temperature -40 to 75 degree C
- Dual power input
- Aluminum housing IP40
- Din Rail mounting

DESCRIPTION

Features and Benefits

- 12.8Gbps backplane bandwidth
- Wide and varied power supply range
- Non-rust aluminum alloy and torx screws
- Support network management
- All ports support line speed forwarding and automatic turnover supporting long distance transmission
- Support uploading and downloading configuring files
- Lightning protection: power supply port $\pm 4KV$, RJ45 port $\pm 4KV$
- IP40 Protection Class
- Small and easy to install, plug and play without configuration
- Fanless design, wide working temperature
- MTBF $\geq 300,000$ hours

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 Networks
- RFC 768 UDP
- RFC 791 IP
- RFC 792 ICMP
- RFC 793 TCP
- RFC 826 ARP
- RFC 854 Telnet Client & Server
- RFC 862 Echo Protocol
- RFC 863 Discard Protocol
- RFC 1027 Using ARP to Implement Transparent Subnet Gateways
- RFC 1059 1119 NTPv1/v2
- RFC 1112 IGMP IP
- RFC 1866 HTML

SPECIFICATIONS

Technical Specifications-II

- RFC 1866 HTML
- 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 3046 DHCP Relay Agent Information Option
- RFC 3222 Forwarding Information Base (FIB)
- GMRP GARP
- GVRP GARP
- SSH2 Secure Shell 2
- IGMP Snooping
- SNMPv3

SPECIFICATIONS

Switch Properties

Backplane Bandwidth:	12.8Gbps
Processing Type:	Store-and-Forward
MAC Table Size:	8K
RAM:	4.1 MB
Exchange Rate:	148,800 pps/100M ports; 1,488,000 pps/1000M ports

Software Functions

Management Mode:	Browser, Console, Telnet, SSH 2.0, Syslog, NTP/SNTP, STD-62 SNMPv3,SNMPv1, SNMPv2, NTP/TFTP
Diagnosis Mode:	Indicator light, journal file, port mirroring, TRAP
Redundancy:	RSTP, STP, MSTP, port trunking. Recovery time 50ms.
Time Synchronization:	NTP
Others:	4K VLANS, IPv4/IPv6 multicast, storm control, support Jumbo Frame

Power Parameters

Connection:	1 removable 5-contact terminal block
Input Voltage:	9.6 ~ 60VDC & 18 ~ 30VAC, dual inputs
Overload Current Protection:	Supported
Reverse Polarity Protection:	Supported

Physical Characteristics

Installation:	DIN-rail mounting
Housing:	Aluminum alloy housing
IP Rating:	IP40
Dimensions (W x H x D):	52mm x 140mm x 110mm
Weight:	<0.6kg

SPECIFICATIONS

Environment Limits

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

Mechanical Characteristics

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

Electromagnetic Characteristics

EMI:	FCC 47 CFR Part 15 Class AEN55032 ClassA EN55035 Class A
EMS:	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

Industrial Certification and Testing

Product Safety:	EN62368-1
EMC:	EN 55032 EN 55035 EN IEC61000-3-2 EN 61000-3-3 FCC Part 15 Subpart B Class A
Others:	RoHS

ORDERING INFORMATION

Model Name	Description
RPT-2008-2FM-SC-T-X6M	6*10/100 BaseT ports and 2 100BaseX SC Fiber ports Multi mode 5KM
RPT-2008-2FS-SC-T-X6M	6*10/100 BaseT ports and 2 100BaseX SC Fiber ports Single Mode 20KM
RPT-2008-2F-T-X6M	6*10/100 BaseT ports and 2 100/1000 Base X SFP ports

DIMENSIONS

Unit: mm

