



## FEATURE HIGHLIGHTS

- 10x Gigabit Ethernet PoE ports with IEEE802.3 af/at/bt
- 4 Port Gigabit SFP ports and 1 console port
- Redundancy: STP/RSTP/MSTP/ERPS
- Security: IEEE802.1x and AAA certification
- IGMP Snooping/static multicast filtering/MLD Snooping
- SNMP v1/v2c/v3 for network management
- IP40 protection, redundancy power supply, wide temp
- Surge protection: : General 6KV, Differential 4KV; ESD 15KV(Air), 8KV (Contact)

## DESCRIPTION

RPT-2014GH90-4F-T-X6H is an industrial grade managed switch that supports 10 Gigabit PoE Ports (Port 9 and 10 Support 90Watts) plus 4 Gigabit SFP Port and 1 Console Port.

The switch is designed for a robust reliability hardware that has dual power input (DC48 - 55V) and sustain during -40 to 75°C operating temperature. It is also certified by industrial environment and support FCC, CE, CCC, RoHS standards.

RPT-2014GH90-4F-T-X6H provides advanced network management capabilities such as redundant ring, loop protection, VLAN, QOS, speed control, port mirroring, and firmware online upgrades.

The RPT series of industrial grade switches can be widely used in wind power, electric power, assembly automation, subway PIS, electric power SCADA, sewage treatment, metallurgy, intelligent transportation, rail transportation, military and other industries.

## SPECIFICATIONS

| Interface and Technology |  |
|--------------------------|--|
| Port Definition          | 10 Gigabit PoE Ports (Port 9 and Port10 Support IEEE802.3bt) + 4 Gigabit SFP Port + 1 Console Port |
| Network Protocols        | IEEE802.3  |
|                          | IEEE802.3u   |
|                          | IEEE802.3z   |
|                          | IEEE802.3ab  |
|                          | IEEE802.3x   |
|                          | IEEE802.1d   |
| POE Parameters           | IEEE802.1w   |
|                          | POE Standard: IEEE 802.3af/IEEE 802.3at/ IEEE802.3bt   |
|                          | Single PoE Port Power Output:  |
|                          | Max: 15.4 W (IEEE 802.3af), Port 1 to Port 8   |
|                          | Max: 30 W (IEEE 802.3at), Port 1 to Port 8   |
|                          | Max : 90 W (IEEE 802.3bt), port 9 and port 10  |
| Network Media            | PoE Compatibility: IEEE 802.3af/at /bt adaptive  |
|                          | POE Power Output: DC 48-55V  |
|                          | POE Power Pin:1/2- ; 3/6+ ( bt : 1/2- 3/6+ ; 4/5+ 7/8- )   |
|                          | 10BASE-T: Cat3、 4、 5 UTP(≤100 M)   |
|                          | 100BASE-TX: Cat5 or above UTP(≤100 M)  |
|                          | 1000BASE-TX: Cat5 or above UTP(≤100 M)   |
| Fiber Media              | Multi-mode : 850nm,1310nm Transmission Distance: 550m/2Km  |
|                          | Single-mode : 1310nm,1550nm Transmission Distance: 20/40/60/80/100/120Km                           |
| LED Indicator            | PWR: Power On/Off  |
|                          | SYS: System On/Off   |
|                          | Yellow light: PoE On/Off   |
|                          | Green light: Link Up/Down  |
| Power Supply             | G11 to G14 ports: Fiber port Link Up/Down  |
|                          | Input Voltage: DC48 ~ 55V  |
| Mechanics & Package      | Type of input: 4 PIN terminal ( block V1/+V1-, V2/+ V2- )  |
|                          | Protect grade : IP40   |
|                          | Installation : DIN Rail  |
|                          | Product weight : 1 KG Package weight : 1.3KG   |
|                          | Produc Dimensions(L×W×H): 188mm*130mm*64mm   |
|                          | Box Dimensions(L×W×H): 242mm×207mm×86mm  |
| Environment              | Standard Carton packing(L×W×H): 445mm×445 mm×510mm   |
|                          | Standard Carton packing quantity : 20 (PCS)  |
|                          | Operating temperature: -40 ~ 75°C  |
|                          | Storage temperature: -40 ~ 85°C  |
|                          | Humidity: 5%~95 % ( No condensation)   |

**SPECIFICATIONS**

**Switch Features**

| Menu Items           | Primary Submenus             | Secondary Submenus   | Tertiary Submenus |
|----------------------|------------------------------|----------------------|-------------------|
| Information & Status | System Information           |                      |                   |
|                      | IP Status                    |                      |                   |
|                      | Syslog                       |                      |                   |
|                      | Detailed Syslog              |                      |                   |
|                      | MAC Table                    |                      |                   |
|                      | VLANs                        | Membership           |                   |
|                      |                              | Ports                |                   |
|                      | Ports                        | Traffic Overview     |                   |
|                      |                              | Detailed Statistics  |                   |
|                      | LACP                         | System Status        |                   |
|                      |                              | Port Status          |                   |
|                      |                              | Port Statistics      |                   |
|                      | Green Ethernet               |                      |                   |
|                      | LLDP                         | Neighbors            |                   |
|                      |                              | Port Statistics      |                   |
|                      | Loop Protection              |                      |                   |
|                      | Spanning Tree                | Bridge Status        |                   |
|                      |                              | Port Status          |                   |
|                      |                              | Port Statistics      |                   |
|                      | IGMP Snooping                | Status               |                   |
|                      |                              | Groups Information   |                   |
|                      |                              | IPv4 SFM Information |                   |
|                      | MLD Snooping                 | Status               |                   |
|                      |                              | Groups Information   |                   |
|                      |                              | IPv6 SFM Information |                   |
|                      | DHCP                         | Server               | Statistics        |
|                      |                              |                      | Binding           |
|                      |                              |                      | Declined IP       |
|                      | Snooping Table               |                      |                   |
|                      | Relay Statistics             |                      |                   |
|                      | Detailed Statistics          |                      |                   |
| Security             | Port Security                | Switch Port          |                   |
|                      | Access Management Statistics |                      |                   |
|                      | 802.1X                       | Switch Port          |                   |
|                      | ACL Status                   |                      |                   |
|                      | AAA                          | RADIUS Overview      |                   |
|                      |                              | RADIUS Details       |                   |
| QoS                  | QoS Statistics               |                      |                   |
|                      | QCL Status                   |                      |                   |

|                    |                             |   |  |
|--------------------|-----------------------------|---|--|
| Network Admin      | IP Config                   |   |  |
|                    | IP Status                   |   |  |
|                    | DHCP Server                 | Mode<br>Excluded IP<br>Pool   |  |
|                    | NTP                         |   |  |
|                    | Timezone                    |   |  |
|                    | SNMP                        | System<br>Trap<br>Communities<br>Users<br>Groups<br>Views<br>Access           |  |
|                    | Syslog                      |   |  |
|                    | Ports                       |   |  |
|                    | Aggregation                 | Static<br>LACP  |  |
|                    | Mirroring<br>Green Ethernet |   |  |
| Port Configure     | DDM                         | DDM Configuration<br>DDM Overview<br>DDM Detailed                             |  |
|                    | PoE Setting                 |   |  |
|                    | PoE Status                  |   |  |
| PoE                | Power Budget                | 420W  |  |
|                    | MAC Table                   |   |  |
| Advanced Configure | VLANs                       |   |  |
|                    | GVRP                        | Global Config<br>Port Config  |  |
|                    | Port Isolation              | Port Group<br>Port Isolation  |  |
|                    | Loop Protection             |   |  |
|                    | Spanning Tree               | Bridge Setting<br>MSTI Mapping<br>MSTI Priorities<br>CIST Ports<br>MSTI Ports |  |
|                    | IPMC Profile                | Profile Table<br>Address Entry  |  |
|                    | MEP<br>ERPS                 |   |  |
|                    | IGMP Snooping               | Basic Configuration<br>VLAN Configuration<br>Port Filtering Profile           |  |
|                    | IPV6 MLD Snooping           | Basic Configuration<br>VLAN Configuration<br>Port Filtering Profile           |  |
|                    | LLDP                        |   |  |

|                    |                       |                     |  |  |
|--------------------|-----------------------|---------------------|--|--|
| Security Configure | Users                 |                     |  |  |
|                    | Privilege Levels      |                     |  |  |
|                    | SSH                   |                     |  |  |
|                    | Port Security Limit   |                     |  |  |
|                    | Access Management     |                     |  |  |
|                    | 802.1X                |                     |  |  |
|                    | ACL                   | Ports               |  |  |
|                    |                       | Rate Limiters       |  |  |
|                    |                       | Access Control List |  |  |
|                    | DHCP                  | Snooping Setting    |  |  |
|                    |                       | Snooping Table      |  |  |
|                    |                       | Relay               |  |  |
|                    |                       | Relay Statistics    |  |  |
|                    | IP & MAC Source Guard | Detailed Statistics |  |  |
| Configuration      |                       |                     |  |  |
| Static Table       |                       |                     |  |  |
| ARP Inspection     | Dynamic Table         |                     |  |  |
|                    | Port Configuration    |                     |  |  |
|                    | VLAN Configuration    |                     |  |  |
|                    | Static Table          |                     |  |  |
| AAA                | Dynamic Table         |                     |  |  |
|                    | RADIUS                |                     |  |  |
|                    | TACACS+               |                     |  |  |
| QoS Configure      | Port Classification   |                     |  |  |
|                    | Port Policing         |                     |  |  |
|                    | Queue Policing        |                     |  |  |
|                    | Port Scheduler        |                     |  |  |
|                    | Port Shaping          |                     |  |  |
|                    | Port Tag Remarking    |                     |  |  |
|                    | Port DSCP             |                     |  |  |
|                    | DSCP-Based QoS        |                     |  |  |
|                    | DSCP Translation      |                     |  |  |
|                    | DSCP Classification   |                     |  |  |
|                    | QoS Control List      |                     |  |  |
| Storm Policing     |                       |                     |  |  |
| Diagnostics        | Ping                  |                     |  |  |
|                    | Cable Diagnostics     |                     |  |  |
|                    | CPU Load              |                     |  |  |
| Maintenance        | Restart Device        |                     |  |  |
|                    | Factory Defaults      |                     |  |  |
|                    | Firmware Upgrade      |                     |  |  |
|                    | Firmware Select       |                     |  |  |
|                    | Configuration         | Download            |  |  |
| Upload             |                       |                     |  |  |
| Activate           |                       |                     |  |  |
| Delete             |                       |                     |  |  |

# RPT-2014GH90-4F-T-X6H | Industrial 14 Port L2 Gigabit POE++ Switch

## SPECIFICATIONS

| Switch Parameters      |   |
|------------------------|---|
| Bandwidth              | 28Gbps                                    |
| Packet Forwarding Rate | 20.83Mpps                                 |
| RAM                    | 128MB                                     |
| Flash                  | 16MB                                      |
| Packet Buffer Memory   | 4M  |
| Jumbo frame            | 9.6Kbytes                                 |
| VLANs                  | 4096                                      |
| MAC                    | 8K  |
| Forwarding Mode        | Store-And-Forward                         |
| Compliances            |   |
| Industry Standard      | EMI: FCC Part 15, CISPR (EN55032) class A |
|                        | EMS: EN61000-4-2 (ESD)                    |
|                        | EN61000-4-4 (EFT)                         |
|                        | EN61000-4-5 (Surge)                       |
| Certification          | CE , FCC , ROHS                           |
| MTBF                   | 100,000 Hours                             |

## ORDERING INFORMATION

| Model Name            | Software | 10/100/1000 TX            | Giga SFP | Power input        |
|-----------------------|----------|---------------------------|----------|--------------------|
| RPT-2014GH90-4F-T-X6H | L2       | 8 POE 30W+ 2 POE 90W/port | 4        | 48-55VDC redundant |

## DIMENSIONS

Unit: mm

