



## >> RP-G0916IP 8-P TP/SFP + 16-P SFP slot Gigabit L2+ Managed Switch

The 24-port Gigabit L2 Plus Managed Switch is a standard switch that meets all IEEE 802.3/u/x/z Gigabit, Fast Ethernet specifications. The switch includes 16-Port 1000Mbps SFP and 8-Port Combo Gigabit TP/SFP Fiber dual media management Ethernet switch. The switch can be managed through RS-232 serial port, or through Ethernet port using CLI or Web-based management unit, associated with SNMP agent. With the SNMP agent, the network administrator can logon the switch to monitor, configure and control each port's activity in a friendly way. The overall network management is enhanced and the network efficiency is also improved to accommodate high bandwidth applications. In addition, the switch features comprehensive and useful functions such as QoS (Quality of Service), Spanning Tree, VLAN, Port Trunking, Bandwidth Control, Port Security, SNMP/RMON, IGMP Snooping capability via the intelligent software. It is suitable for both metro-LAN and office applications.

### Feature

- 24-Port Gigabit SFP High Port Count Fiber Switch
- 9KB Jumbo Frame Support
- IEEE 802.1x Access Control Improve Network Security
- Port Mirroring Helps Supervisor Monitoring Network
- Q-in-Q VLAN for performance & security and 4094 Vlan entries(previous, upgrade via FW)
- IEEE 802.1D Compatible, 802.1w Rapid Spanning Tree and 802.1s Multiple Spanning Tree
- Unknown Unicast/Broadcast/Multicast Storm Control
- Multicast Vlan Management for IPTVIP-Mac-Port binding for LAN security
- QCL Based on Application traffic for QoS and rate limitation management
- ACL Based on Ethernet Type / ARP / IPv4 for packets permit or deny, rate limitation and port copy
- DHCP Option 82 relay agent

### Specification

<b>Standards</b>	<ul style="list-style-type: none"><li>• IEEE 802.3 10Base-T Ethernet(twisted-pair copper)</li><li>• IEEE 802.3u 100Base-TX Ethernet(twisted-pair copper)</li><li>• IEEE 802.3ab 1000Base-TX Ethernet(twisted-pair copper)</li><li>• IEEE 802.3z 1000Base-X Ethernet</li><li>• IEEE 802.3x flow control capability</li><li>• ANSI/IEEE 802.3 auto-negotiation</li><li>• IEEE 802.1q VLAN</li></ul>
<b>Interface</b>	<ul style="list-style-type: none"><li>• 16-Port SFP + 8-Port Combo port (SFP/RJ-45)</li><li>• Port 1,2,3,4,5,6,7,8 are Gigabit TP/SFP Fiber auto sense</li><li>• Auto-Negotiation and Auto-MDIX</li><li>• Backpressure flow control for half duplex.</li><li>• 802.3x flow control for full duplex.</li><li>• Connector: 16 SFP and 8 combo port, RJ-45/SFP</li></ul>
<b>Performance Switching capacity</b>	<ul style="list-style-type: none"><li>• Non-blocking switch fabric supports up to 24GbE ports</li><li>• 8 K MAC addresses</li><li>• The maximum throughput is 48Gbps</li></ul>
<b>VLAN</b>	<ul style="list-style-type: none"><li>• Supports SVL/IVL configuration to meet your VLAN requirement</li><li>• Port-base VLAN</li><li>• IEEE802.1q tag-base VLAN, 4094 max, up to 1024 active VLANs including static plus dynamic entry</li><li>• IEEE802.1q tag-base VLAN</li><li>• Flooding unknown vlan frame setting, can flood packet with some vlan tag associated to a invalid/inactive vlan</li><li>• In tag-base VLAN, supports egress/ingress packet filter</li><li>• Q-in-Q is an efficient method for enabling Subscriber Aggregation</li><li>• Provide Management Vlan for managed policy</li></ul>

<b>VSM (Virtual Stacking Management)</b>	<ul style="list-style-type: none"> <li>• Virtual stacking, no extra stacking hardware is required</li> <li>• Distributed stacking, no physical central wiring closet is needed</li> </ul>
<b>QoS</b>	<ul style="list-style-type: none"> <li>• Supports QCL for Layer 4 TCP/UDP Port and ToS Classification</li> <li>• Supports 802.1p QoS with four level priority queue</li> <li>• Supports priority in a Q-in-Q tag</li> </ul>
<b>Bandwidth Control</b>	<ul style="list-style-type: none"> <li>• Supports bandwidth rating per port ingress and egress rate limit 500Kbps~1000Mbps with 1Kbps</li> </ul>
<b>Protocol LACP</b>	<ul style="list-style-type: none"> <li>• Port trunking with 12 trunking group</li> <li>• Up to 16 ports for each group.</li> </ul>
<b>GVRP/GARP</b>	<ul style="list-style-type: none"> <li>• 802.1q with GVRP/ GARP</li> </ul>
<b>Multicasting</b>	<ul style="list-style-type: none"> <li>• Supports IGMP snooping including active and passive mode</li> </ul>
<b>STP/RSTP/MSTP</b>	<ul style="list-style-type: none"> <li>• 802.1d/1w/1s</li> </ul>
<b>Network Security</b>	<ul style="list-style-type: none"> <li>• 802.1x access control for port based and mac based authentication</li> <li>• Management Access Policy Control</li> <li>• Access control List</li> <li>• IP-mac-port binding</li> <li>• DHCP relay agent</li> </ul>
<b>SNMP agent</b>	<ul style="list-style-type: none"> <li>• Snmpv1,v2c</li> <li>• Support RFC 1213 MIB (MIB-II), RFC 1757 RMON MIB, RFC 1493 Bridge MIB, RFC 1643 Ethernet MIB, Enterprise MIB</li> </ul>
<b>LED Description</b>	<ul style="list-style-type: none"> <li>• POWER</li> <li>• LINK/ACT: SFP Port 1-24</li> <li>• LINK/ACT: UTP Port 1-8</li> <li>• 10/100/1000Mbps: UTP Port 1-8</li> </ul>
<b>Environment</b>	<ul style="list-style-type: none"> <li>• Operating Temperature: 0°C ~ 40°C</li> <li>• Operating Humidity: 5 ~ 90% (Non-Condensing)</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>• 442 * 209 * 44mm</li> </ul>
<b>Certifications</b>	<ul style="list-style-type: none"> <li>• FCC, CE</li> </ul>

## Ordering information

**RP-G0916IP**      16-P SFP slot + 8-P TP Gigabits L2+ Managed Switch