

## RP-G1424Q

### **24-P Gigabit Ethernet Switch with Loop detection + QoS**



As a powerful, high-performance Gigabit Ethernet switch with 24 10/100/1000 Mbps ports RP-G1424Q provides you a real gigabit connection.

Featured a non-blocking switching architecture that filters and forwards packets at full wire-speed for maximum throughput, it supports 802.3x flow control frames for full-duplex and optional back pressure for half-duplex.

With Loop Detection LED caution light that attracts the network administrators' attention to optimize network configuration. The Switch supports QoS 4 priority queues, by using QoS mechanisms effects usage of network.

Featured a non-blocking switching architecture that filters and forwards packets at full wire-speed for maximum throughput, this switch supports 802.3x flow control frames for full-duplex and optional back pressure for half-duplex. What's more, its automatic MDI/MDI-X crossover detection function ensures you no need to worry about the cable type by automatically switching the port's receive and transmit connections.

RP-G1424Q is easy to installation and maintenance by plug &play without any software to configure and also fully compliant with all kinds of network protocols. Surprising you, it supports IEEE 802.3az Energy Efficient Ethernet and Green Ethernet features to save power consumption.

## Features

- Supports MDI/MDI-X auto crossover
- Supports full and half duplex operation on all ports
- Supports back-pressure (half duplex) and flow control (IEEE 802.3x)
- Wire-speed packet filtering and forwarding rate
- Store-and-forward architecture filters fragment & CRC error packets
- Supports 8K MAC address entries in whole system
- 4.1M bits packet buffer memory
- Supports 9K bytes Jumbo Frames
- Supports 802.1p QoS 4 priority queues
- Supports Loop detection
- Complies with IEEE 802.3az Energy Efficient Ethernet
- With 19" Rack Mount Kits

## Specifications

<b>Standard</b>	<ul style="list-style-type: none"><li>• 802.3 Ethernet, 802.3u Fast Ethernet, 802.3ab Gigabit Ethernet</li><li>• 802.3x flow control for full duplex</li><li>• 802.3az Energy Efficient Ethernet support</li><li>• 802.1p QoS</li></ul>
<b>Interface</b>	<ul style="list-style-type: none"><li>• 24 * 10/100/1000Mbps RJ-45 switching ports</li></ul>
<b>NWay Protocol Support</b>	<ul style="list-style-type: none"><li>• Network speed: 10 / 100 / 1000Mbps</li><li>• 10Mbps: Full/Half duplex</li><li>• 100Mbps: Full/Half duplex</li><li>• 1000Mbps: Full duplex</li></ul>
<b>MAC Address Table</b>	<ul style="list-style-type: none"><li>• 8K</li></ul>
<b>Jumbo Frame</b>	<ul style="list-style-type: none"><li>• 9K bytes</li></ul>
<b>Buffer memory</b>	<ul style="list-style-type: none"><li>• 4.1M bits</li></ul>
<b>LED Indications</b>	<ul style="list-style-type: none"><li>• System: Power (Green)</li><li>• Port: Link/Activity (Green)</li><li>• Loop detection (Red)</li></ul>
<b>Environment</b>	<ul style="list-style-type: none"><li>• Operating Temperature: 0°C ~ 40°C</li><li>• Operating Humidity: 10% ~ 90% RH, non-condensing</li></ul>
<b>Power Supply</b>	<ul style="list-style-type: none"><li>• Internal Power 100~240VAC, 50~60Hz</li></ul>
<b>Dimensions</b>	<ul style="list-style-type: none"><li>• L267 x W162 x H42 mm</li></ul>
<b>Certification</b>	<ul style="list-style-type: none"><li>• FCC, CE</li></ul>

## Ordering information

**RP-G1424Q**     24-P Gigabit Ethernet Switch, with Loop detection + QoS