

## RP-G3800Q

### 8-P Gigabit Ethernet Switch with Loop Detection + QoS



As a powerful, high-performance Gigabit Ethernet switch with 8 10/100/1000 Mbps ports RP-G3800Q 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.

The switch is a fully non-blocking architecture and it supports every switching port with wire-speed performance. It delivers a dedicated 10/100/1000Mbps connection to every attached client with no bandwidth congestion issue. Store-and-forward switching mode promises the low latency plus eliminates all the network errors, including runt and CRC error packets. IEEE 802.3az Energy Efficient Ethernet is also supported to save power consumption.

RP-G3800Q provides half and full-duplex capability on all ports to boost bandwidth for servers and power users and is fully compliant with all kinds of network protocols. With the rich diagnostic LEDs on the front-panel can show the operating status of individual port and whole system.

## 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 Green Ethernet (Link-On Cable Length Power Saving and Link-Down Power Saving)
- Supports 8K MAC address entries in whole system
- 256KBytes buffer memory
- 9K Byte Jumbo frame
- Supports Loop detection
- Supports 802.1p QoS 4 priority queues
- Supports IEEE802.3az Energy Efficient Ethernet
- Supports extensive LED indicators for network diagnostics

## 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>• 8 * 10/100/1000Mbps RJ-45</li></ul>
<b>Network Data Rate</b>	<ul style="list-style-type: none"><li>• 10/100/1000 Mbps Auto-negotiation</li></ul>
<b>Transmission Mode</b>	<ul style="list-style-type: none"><li>• 10/100Mbps: Full-duplex, 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>• 256K bytes</li></ul>
<b>QoS</b>	<ul style="list-style-type: none"><li>• 4 priority queues</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>Power Supply</b>	<ul style="list-style-type: none"><li>• External power adapter 5V/1A</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>Dimensions</b>	<ul style="list-style-type: none"><li>• L155 x W85 x H26mm</li></ul>
<b>Certification</b>	<ul style="list-style-type: none"><li>• FCC, CE</li></ul>

## Ordering Information

**RP-G3800Q**     8-P Gigabit Ethernet Switch, with Loop detection + QoS