

## RP-PG082 | RP-PG082F

### 8-P PoE + 2-SFP Gigabit Ethernet Switch

RP-PG082 series is a 8-Port Gigabit Power over Ethernet Switch with 2 SFP slots, it provides users Gigabit Ethernet and power via CAT 5 and above twisted cables.

RP-PG082 series complies with IEEE 802.3af and 802.3at standards and supplies up to 30W per port, with a total PoE power budget of 120 W or 250W. Its auto-negotiate is between 10/100/1000 Mbps network speed and duplex. By integrating the data transmitting and power supply, it eliminates the toil of constructing your network. Users can easily connect a Wireless AP or a VoIP phone to this switch without arranging outlets for the wall, ceiling or any unreachable place.

To ensure the power supply safety, RP-PG082 series supports current protection and circuit shorting protection. Moreover, front panel LEDs provides quick indication of connection speed and status.

Plug-and-play function without any software to configure and is also fully compliant with all kinds of network protocols.



## Features

- Comply with IEEE 802.3 at/af PoE standard ,
- Support 30W maximum per PoE port
- Support over current protection and circuit shorting protection
- Support 10/100/1000Base-T applications
- Support 1000Mbps SFP Fiber Module Auto Detection
- Support MDI/MDI-X auto crossover
- Support extensive LED indicators for network diagnostics
- Wire-speed packet filtering and forwarding rate
- Store-and-forward architecture filter fragment & CRC error packets
- Supply suitable power to PoE PD terminals
- Safe and reliable power to WLAN APs
- Automatic Detection and Protection of Non-standard Ethernet Terminals
- AC-in Internal Power

## Specifications

<b>Standards</b>	<ul style="list-style-type: none"> <li>• IEEE 802.3 10 BASE-T</li> <li>• IEEE 802.3u 100 BASE-TX</li> <li>• IEEE 802.3ab 1000Base-T</li> <li>• IEEE 802.3z 1000Base-X Ethernet</li> <li>• IEEE 802.3x Flow Control capability</li> <li>• IEEE 802.3at/af Power Over Ethernet</li> </ul>
<b>Interface</b>	<ul style="list-style-type: none"> <li>• 8 x 10/100/1000Mbps RJ-45 ports</li> <li>• 2 x 1000Mbps SFP slots</li> </ul>
<b>Switch Capacity</b>	<ul style="list-style-type: none"> <li>• 16Gbps</li> </ul>
<b>MAC addresses</b>	<ul style="list-style-type: none"> <li>• 8K</li> </ul>
<b>Jumbo frame</b>	<ul style="list-style-type: none"> <li>• up to 9K</li> </ul>
<b>Filtering/Forwarding Rates</b>	<ul style="list-style-type: none"> <li>• 1000Mbps port - 1,488,000pps</li> <li>• 100Mbps port - 148,800pps</li> <li>• 10Mbps port - 14,880pps</li> </ul>
<b>Transmission Media</b>	<ul style="list-style-type: none"> <li>• 10BaseT Cat. 3, 4, 5 UTP/STP</li> <li>• 100BaseTX Cat. 5 UTP/STP</li> <li>• 1000BaseTX Cat. 5E/6/7 UTP/STP</li> </ul>
<b>PoE Specification</b>	<ul style="list-style-type: none"> <li>• PD classification identify</li> <li>• PoE over current protection</li> <li>• PoE circuit sorting protection</li> <li>• PoE power on RJ-45 pin 1,2 for power + / pin 3,6 for power -</li> </ul>
<b>PoE Power Budget</b>	<ul style="list-style-type: none"> <li>• Per PoE port 30 W</li> <li>• Max. 120W (RP-PG082)</li> <li>• Max. 250W (RP-PG082F)</li> </ul>
<b>LED Indicators</b>	<ul style="list-style-type: none"> <li>• Power (Green), LAN (1000Mbps-Green;10/100Mbps-Amber), PoE (Green), SFP (Green)</li> </ul>
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>• Internal Power Supply 100~240VAC, 50/60 Hz, 56V</li> </ul>
<b>Environment</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0°C to 40°C</li> <li>• Operating Humidity: 5% to 90% (Non-Condensing)</li> </ul>
<b>Dimension (WxHxD)</b>	<ul style="list-style-type: none"> <li>• 215 x 44 x 122 mm (RP-PG082)</li> <li>• 280 x 44 x 215 mm (RP-PG082F)</li> </ul>
<b>Certification</b>	<ul style="list-style-type: none"> <li>• FCC, CE</li> </ul>

## Ordering information

**RP-PG082**      8-P Gigabit + 2-SFP PoE Switch (120W)

**RP-PG082F**    8-P Gigabit + 2-SFP PoE Switch (250W)