



## RP-PG1602

### 16-P Gigabit PoE + 2-1G SFP slot Ethernet Switch



RP-PG1602 is a 16-Port (10M/100M/1G) PoE+ with 2 SFP port PoE switch. With its 36Gbps non-blocking switch fabric, it makes the transition to Gigabit Ethernet simply, also speed up of network connection. The energy-efficient, built to last and rigorously tested to provide the reliability of businesses requirement.

RP-PG1602 delivers electric power output up to 30W by PoE function for each port, and 250W power budget via Cat.5/5e/6 Ethernet cables. Enables the access of PoE IP Phones, security camera/ network webcam situated in a remote area where power connection is hardly available. And it's also an ideal option for powering a Wireless Access Point in an indoor working area. In addition, the over-current and circuit shorting protection are supported for ensuring the power supply safety. RP-PG1602 is designed to be a plug-and-play device without any software configuration, also fully compliant with all kinds of network protocols. Moreover, the rich diagnostic LEDs on the front-panel provide the clear operating status of individual port and the whole system.

RP-PG1602 is a high-performance and environment flexible device for SMBs and Enterprises. It delivers better user experience and saves owners' budgets.

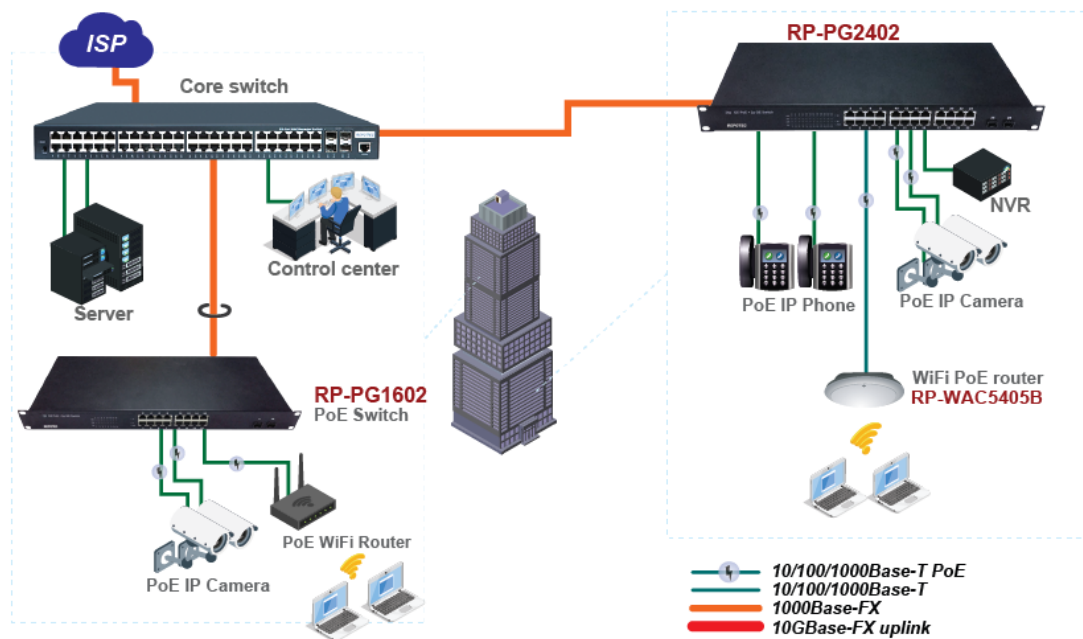
## Features

- 16 Gigabit Switching UTP ports support auto-negotiation, Auto-MDI/MDI-X detection
- 2 1000Mbps SFP ports for optional fiber connection
- Support 30W maximum per PoE port, power budget up to 250W
- Support over current protection and circuit shorting protection
- Supports back-pressure (half duplex) and flow control (IEEE 802.3x)
- Store-and-forward architecture filters fragment & CRC error packets
- Provide 36Gbps switch fabric, non-blocking switch architecture
- 8K MAC address table, automatic source address learning and ageing
- 4.1Mbits packet buffering
- Support extensive LED indicators for network diagnostics
- Supports IEEE 802.3az Energy Efficient Ethernet
- Rack mountable

## Specifications

<b>Standards</b>	<ul style="list-style-type: none"><li>• IEEE 802.3/3u 10Base-T, 100Base-TX Ethernet</li><li>• IEEE 802.3ab 1000Base-T Ethernet</li><li>• IEEE 802.3z 1000Base-X Ethernet</li><li>• IEEE 802.3x Flow Control capability</li><li>• IEEE 802.3az (Energy Efficient Ethernet)</li><li>• IEEE 802.3at/af Power over Ethernet / PSE</li></ul>
<b>Interface</b>	<ul style="list-style-type: none"><li>• 16 x 10/100/1000Base-TX RJ-45 Auto-MDI/MDI-X</li><li>• 2 x 1000Base-SR/LR SFP slots</li></ul>
<b>MAC Address</b>	<ul style="list-style-type: none"><li>• 8K entries</li></ul>
<b>Buffer Memory</b>	<ul style="list-style-type: none"><li>• 4.1Mbit SRAM Packet buffer</li></ul>
<b>Transmission Method</b>	<ul style="list-style-type: none"><li>• Store and Forward</li></ul>
<b>Flow Control</b>	<ul style="list-style-type: none"><li>• Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex</li></ul>
<b>Switch Fabric</b>	<ul style="list-style-type: none"><li>• 36Gbps</li></ul>
<b>PoE Specification</b>	<ul style="list-style-type: none"><li>• PoE Compatible: IEEE 802.3af/at Power over Ethernet / PSE</li><li>• PoE over current protection</li><li>• PoE circuit sorting protection</li><li>• Power Budget: Max. 250W</li><li>• PoE power on RJ-45 pin 1,2 (+) / pin 3, 6 (-)</li><li>• PoE Power Supply Type: End-Span</li></ul>
<b>LED Indicators</b>	<ul style="list-style-type: none"><li>• Per Port: LINK/ACT, PoE ACT/Status</li><li>• Per Unit: Power</li></ul>
<b>Power Supply</b>	<ul style="list-style-type: none"><li>• Internal Power 100~240 VAC, 0.5A, 50-60 Hz</li></ul>
<b>Environment</b>	<ul style="list-style-type: none"><li>• Operating temperature: 0°C to 40°C</li><li>• Storage Temperature: -20 to 70°C</li><li>• Operating Humidity: 10% to 90% (Non-Condensing)</li></ul>
<b>Dimension</b>	<ul style="list-style-type: none"><li>• 440 x 44 x 200mm (WxHxD)</li></ul>
<b>Certification</b>	<ul style="list-style-type: none"><li>• FCC, CE</li></ul>

## Application



## Ordering information

**RP-PG1602**      16-P Gigabit PoE + 2-SFP slot (1G) Ethernet Switch (250W)