

RP-PG042

4-P PoE + 1UTP + 1-SFP Gigabit Ethernet Switch

RP-PG042 is a 6-port 10M/100M/1000M Gigabit Ethernet Switch featuring UTP x1, SFP x1, and 4 ports with Power over Ethernet (PoE) capability. Each PoE port can supply up to 30W of power, with a total PoE power budget of 65W (optional 120W). This switch is ideal for office users with a combination of PoE and non-PoE enabled devices, such as PoE IP Phones, Wi-Fi APs, and IP Cameras. It is IEEE 802.3af/at compliant, providing both power and data over a single cable.



RP-PG042 enables users to establish a stable and reliable high-speed LAN environment, utilizing store-and-forward switching architecture, packet error filtering, and non-blocking packet forwarding. It supports 802.3x and backpressure flow control mechanisms for efficient data transmission. With N-way auto-negotiation, the switch automatically detects networking speed and duplex modes. Equipped with a full range of LEDs, it allows for instant error detection and troubleshooting on the network.

RP-PG042 is perfect for offices with a mix of PoE and non-PoE devices, delivering power and data through a single cable. With fast switching, error filtering, and efficient data transmission, it ensures a stable LAN environment. The switch automatically detects networking speed and duplex modes, and LEDs enable instant error detection.

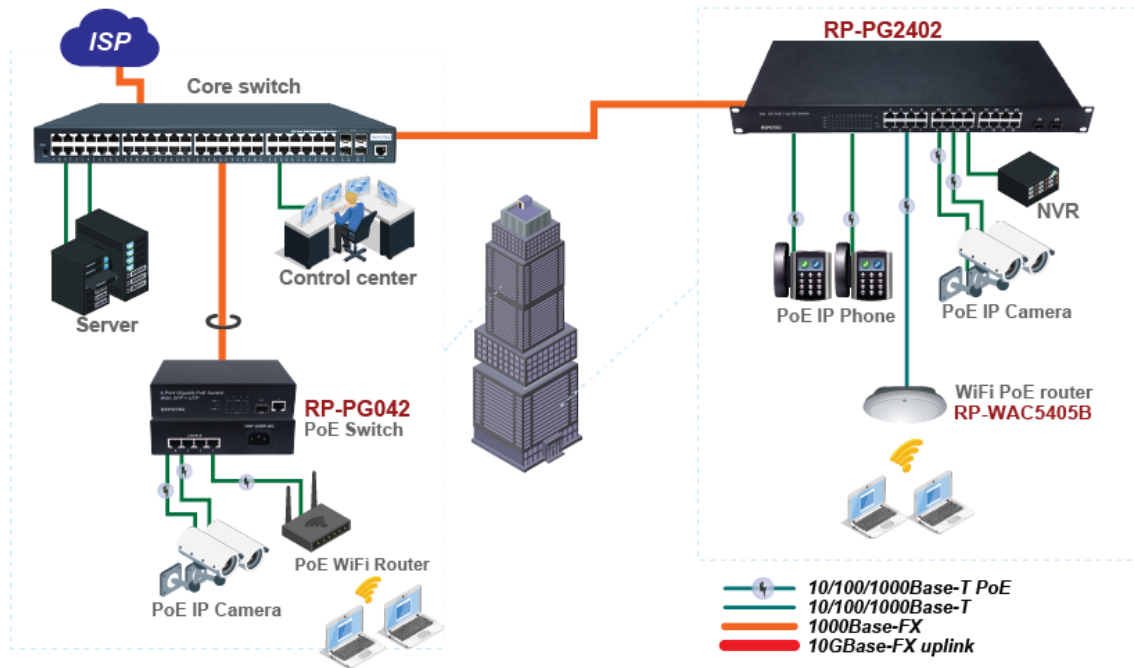
Features

- Up to 30W per PoE port, 65W/120W budget
- Ideal for office users with PoE devices
- IEEE 802.3af/at compliant
- Stable and reliable high-speed LAN environment
- Store-and-forward switching, error filtering
- Power and data over a single cable
- Supports 10/100/1000Base-T applications
- Supports 100/1000Mbps SFP Fiber Module Auto Detection
- Wire-speed packet filtering and forwarding
- Suitable power supply, non-standard terminal protection

Specifications

Standards	<ul style="list-style-type: none">• IEEE 802.3 10 BASE-T• IEEE 802.3u 100 BASE-TX• IEEE 802.3ab 1000Base-T• IEEE 802.3z 1000Base-X Ethernet• IEEE 802.3x Flow Control capability• IEEE 802.3at/af Power Over Ethernet
Interface	<ul style="list-style-type: none">• 4 x 10/100/1000Mbps RJ-45 802.3at PoE ports,• 1 x 10/100/1000Mbps RJ-45 Uplink port,• 1 x 100/1000Mbps SFP uplink port
Switch Capacity	<ul style="list-style-type: none">• 12Gbps
MAC addresses	<ul style="list-style-type: none">• 2K
Buffer Memory	<ul style="list-style-type: none">• 2K
Filtering/Forwarding Rates	<ul style="list-style-type: none">• 1000Mbps port - 1,488,000pps• 100Mbps port - 148,800pps• 10Mbps port - 14,880pps
Transmission Media	<ul style="list-style-type: none">• 10BaseT Cat. 3, 4, 5 UTP/STP• 100BaseTX Cat. 5 UTP/STP• 1000BaseTX Cat. 5E/6/7 UTP/STP
PoE Specification	<ul style="list-style-type: none">• PD classification identify• PoE over current protection• PoE circuit sorting protection• PoE power on RJ-45 pin 1,2 for power + / pin 3,6 for power -
PoE Power Budget	<ul style="list-style-type: none">• Per PoE port 30 W• Max. 65W (RP-PG042)• Max. 120W (RP-PG042F)
LED Indicators	<ul style="list-style-type: none">• Power, LAN 1~6 port , PoE 1~4 port
Power Supply	<ul style="list-style-type: none">• Internal Power Supply 100~240VAC, 50/60 Hz, 48~56VDC
Environment	<ul style="list-style-type: none">• Operating temperature : 0°C to 40°C• Operating Humidity: 10% to 90% (Non-Condensing)
Dimension (WxHxD)	<ul style="list-style-type: none">• 160 x 44 x 122 mm
Certification	<ul style="list-style-type: none">• FCC, CE

Application



Ordering information

- RP-PG042** 5-P Gigabit + 1-SFP (100/1G) PoE Switch, 4-P PoE 802.3at (65W)
RP-PG042F 5-P Gigabit + 1-SFP (100/1G) PoE Switch, 4-P PoE 802.3at (120W)