

## RP-PG054 | RP-PG054F

### 5-P Gigabit Ethernet Switch w/ 4-P 802.3at PoE, 1-Uplink port

RP-PG054 series is a 5-port 10M/100M/1000M Gigabit Ethernet Switch with one uplink port + 4 ports of Power over Ethernet capability. The PoE+ switch complies with IEEE 802.3af and 802.3at standards and supplies up to 30W per port, with a total PoE power budget of 65W or 120W . It automatically detects IEEE 802.3af/at compliant device connected and provides power and data over a RJ45 cable to these devices.

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. It is an ideal solution for office and home users who utilize a combination of PoE and non-PoE enabled devices.

To ensure the power supply safety, RP-PG054 also 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.



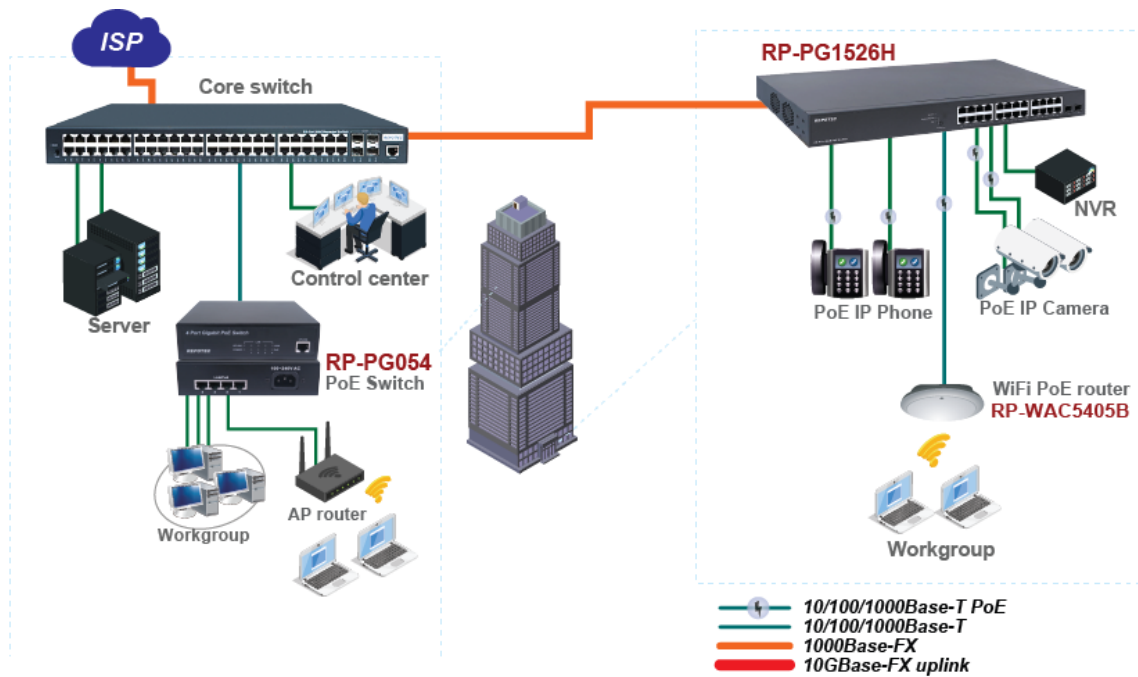
## Features

- Comply with IEEE 802.3 af/at PoE standard, support 30W maximum per PoE port
- Provides flexibility of 4 x 10/100BASE-TX high power PoE ports
- Wire-speed packet filtering and forwarding rate
- Supports auto-negotiation and auto-MDI/MDI-X cable detection on each port
- Store-and-forward architecture filter fragment & CRC error packets
- IEEE 802.3x flow control protects against lost packets for reliable data transmission
- Automatic Detection and Protection of Non-standard Ethernet Terminals
- Support PoE Over Current Protection, PoE circuit short protection
- Supply suitable power to PoE PD terminals
- Simple Plug and Play installation
- Support extensive LED indicators for network diagnostics
- Compact, sturdy casing
- 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 802.3x Flow Control capability</li> <li>• IEEE 802.3at/af Power Over Ethernet</li> </ul>
<b>Interface</b>	<ul style="list-style-type: none"> <li>• 4 x 10/100/1000Mbps RJ-45 PoE ports</li> <li>• 1 x 10/100/1000Mbps RJ-45 Uplink Port</li> </ul>
<b>MAC Address</b>	<ul style="list-style-type: none"> <li>• 2K</li> </ul>
<b>Buffer Memory</b>	<ul style="list-style-type: none"> <li>• 2KB</li> </ul>
<b>Transmission Method</b>	<ul style="list-style-type: none"> <li>• Store and Forward</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> </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. 65W(RP-PG054), 120W(RP-PG054F)</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>• Power, Uplink , LAN1~4 port , PoE 1~4 port</li> </ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"> <li>• Max. 3W (no PD device connected)</li> </ul>
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>• Internal Power supply 100~240VAC, 50/60 Hz</li> </ul>
<b>Environment</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0°C to 45°C</li> <li>• Operating Humidity:10% to 90% (Non-Condensing)</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>• 160 x 122 x 44mm</li> </ul>
<b>Certification</b>	<ul style="list-style-type: none"> <li>• FCC, CE</li> </ul>

## Application



## Ordering information

- RP-PG054** 5-P Gigabit Ethernet Switch, with 4- 802.3at PoE (65W)  
**RP-PG054F** 5-P Gigabit Ethernet Switch, with 4- 802.3at PoE (120W)