

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

Specification

Standards	<ul style="list-style-type: none">• IEEE 802.3 10-BASE-T (Ethernet)• IEEE 802.3u 100-BASE-TX (Fast Ethernet)• IEEE 802.3x Flow Control (full-duplex flow control)• IEEE 802.3af Power over Ethernet• IEEE 802.3at Power over Ethernet Plus
Interface	<ul style="list-style-type: none">• 4* 10/100Mbps RJ-45 PoE ports• 1* 10/100Mbps RJ-45 Uplink Port
MAC Address	<ul style="list-style-type: none">• 2K
Buffer Memory	<ul style="list-style-type: none">• 2KB
Transmission Method	<ul style="list-style-type: none">• Store and Forward
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
PoE Specification	<ul style="list-style-type: none">• PoE Compatible: IEEE 802.3af/at Power over Ethernet / PSE• PoE over current protection• PoE circuit sorting protection• Power Budget: Max. 65W(RP-PG054), 120W(RP-PG054F)• PoE power on RJ-45 pin 1,2 (+) / pin 3, 6 (-)• PoE Power Supply Type: End-Span
LED Indicators	<ul style="list-style-type: none">• Power, Uplink , LAN1~4 port , PoE 1~4 port
Power Consumption	<ul style="list-style-type: none">• Max. 3W (no PD device connected)
Power Supply	<ul style="list-style-type: none">• 100~240VAC/50~60Hz Internal Power of 65w (option: 90w or 120w), 56VDC
Environment	<ul style="list-style-type: none">• Operating temperature : 0°C to 45°C• Operating Humidity:10% to 90% (Non-Condensing)
Dimension	<ul style="list-style-type: none">• 160 x 122 x 44mm
Certification	<ul style="list-style-type: none">• FCC, CE

Ordering information

RP-PG054	5-P Gigabit PoE+ Switch, 4-P PoE 802.3at/af (65W)
RP-PG054F	5-P Gigabit PoE+ Switch, 4-P PoE 802.3at/af (120W)