RP-PG2402X

24-P Gigabit PoE + 2-10G SFP slot Ethernet Switch

RP-PG2402X is a 24-Port (10M/100M/1G) PoE+ and 2 SFP/SFP+ port PoE switch. With its 88Gbps 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-PG2402X delivers electric power output up to 30W by PoE function for each port, and 150W or 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-PG2402X 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-PG2402X is a high-performance and environment flexible device for SMBs and Enterprises. It delivers better user experience and saves owners' budgets.
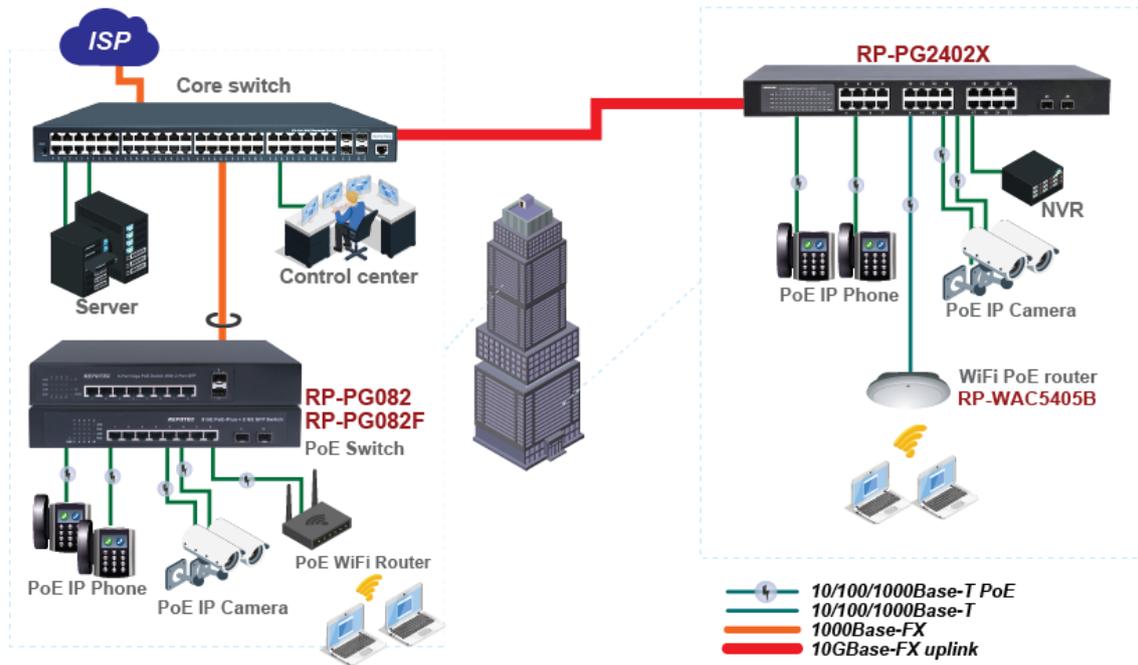
Features

- 24 ports gigabit non-blocking switch architecture.
- 2 SFP/ SFP+ ports for optional fiber connection
- Each Gigabit Switching UTP ports support auto-negotiation-10/100/1000Mbps
- Auto-MDI/MDI-X detection on each RJ-45 port
- Support 30W maximum per PoE port, power budget up to 150W or 250W
- Support over current protection and circuit shorting protection
- Jumbo Frame: 10K bytes (Max)
- Supports back-pressure (half duplex) and flow control (IEEE 802.3x)
- Store-and-forward architecture filters fragment & CRC error packets
- Provide 88Gbps switch fabric, non-blocking switch architecture
- 16K MAC address table, automatic source address learning and ageing
- 4Mbits packet buffering
- Support extensive LED indicators for network diagnostics
- Supports IEEE 802.3az Energy Efficient Ethernet
- Rack mountable

Specifications

Standards	• IEEE 802.3/3u 10Base-T, 100Base-TX Ethernet • IEEE 802.3ab 1000Base-T Ethernet • IEEE 802.3z 1000Base-X Ethernet • IEEE 802.3x Flow Control capability • IEEE802.3ae 10GBase-T Ethernet over fiber for LAN • IEEE 802.3az (Energy Efficient Ethernet) • IEEE 802.3at/af Power over Ethernet / PSE
Interface	• 24 x 10/100/1000Base-TX RJ-45 Auto-MDI/MDI-X, 802.3at PoE • 2 x 1G/10GBase-SR/LR SFP+ slots
MAC Address	• 16K
Buffer Memory	• 4Mbits
Transmission Method	• Store and Forward
Flow Control	• Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex
Throughput	• 65.472Mpps (packet per second)
Switch Fabric	• 88Gbps
PoE Specification	• PoE Compatible: IEEE 802.3af/at Power over Ethernet / PSE • PoE over current protection • PoE circuit sorting protection • PoE Power Output: Per Port 56V DC, Max. 30 watts (802.3at) • Power Budget: Max. 150W or 250W • PoE power on RJ-45 pin 1,2 (+) / pin 3, 6 (-) • PoE Power Supply Type: End-Span
LED Indicators	• Per Port: LINK/ACT, PoE ACT/Status • Per Unit: Power
Power Supply	• Internal Power 100~240 VAC, 0.5A, 50-60 Hz
Environment	• Operating temperature: 0°C to 40°C • Operating Humidity:10% to 90% (Non-Condensing)
Dimension	• 440 x 44 x 200mm (WxHxD)
Certification	• FCC, CE

Application

Legend:
- 10/100/1000Base-T PoE
- 10/100/1000Base-T
- 1000Base-FX
- 10GBase-FX uplink

Ordering information

RP-PG2402X-150   24-P Gigabit PoE + 2-10G SFP slot Ethernet Switch (150W)

RP-PG2402X-250   24-P Gigabit PoE + 2-10G SFP slot Ethernet Switch (250W)