RP-PE0504X

10/100M 802.3at PoE Multi-Port Extender Switch

The PoE Multi-Port Extender Switch is a plug-and-play Ethernet switch with PoE (Power over Ethernet) PD and PSE function.   Uplink port of the switch supports PoE PD function. The switch can receive data and power from uplink port if it is connected to a PoE switch(PSE). Port 1~4 of the switch support PoE PSE function.   Data and power can be delivered to PoE PD devices by Ethernet connections.   In such application, this switch can extend PoE connection from one PoE connection to four PoE connections for longer distance and more devices without extra power connect.

PoE function of the switch is compliant to IEEE 802.3at and IEEE 802.3af PD(Power Device) and PSE(Power Sourcing Equipment) spec.   A DC connector is supported if power from uplink port is not available.

With the safety design of IEEE 802.3af/at, power will be delivered only when correct PoE PD is connected.   Besides, the PoE Multi-Port Extender Switch also support normal Ethernet switch function.

The PoE Multi-Port Extender Switch is a smart and cost-efficient Ethernet PoE switch for saving extra power construction cost.   It is easy and flexible for network installation.
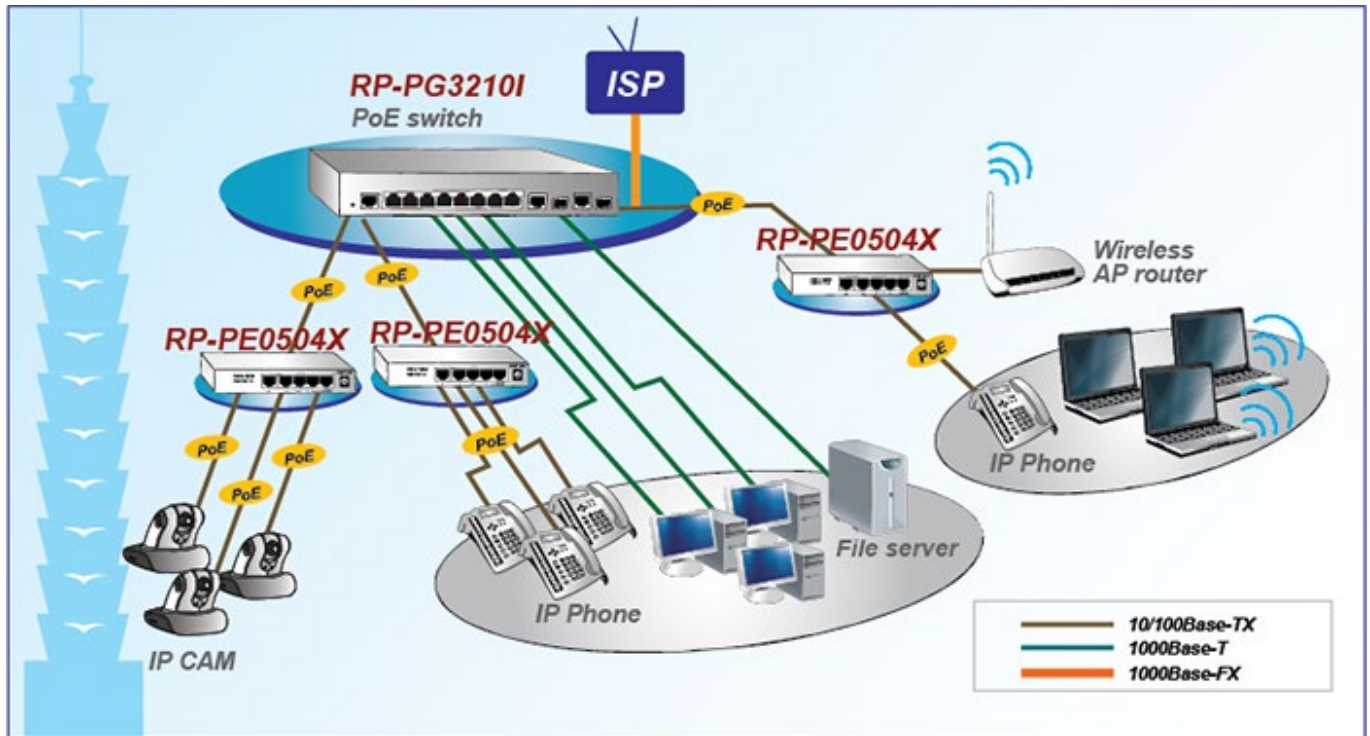
Features

- Complies with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEE802.3af , IEEE802.3at Standards
- 4* RJ45 10/100Mbps ports with PSE function
- 1* RJ45 10/100Mbps port with PD function
- Optional DC Jack for External Power Adapter
- PoE power up to 30W for each PSE port
- Plug-and-Play, no any setup or configuration is needed

Specifications

Standards	• IEEE802.3(10BaseT Ethernet), • IEEE802.3u(100Base Fast Ethernet), • IEEE802.3af, IEEE802.3at
Interface	• 5* RJ45 ports, with 10/100Mbps, • Auto-negotiation and Auto MDI/MDIX
Filter & Forwarding Rate	• 10Mbps: 14,880 pps per port • 100Mbps: 148,800 pps per port
Transmission method	• Store-and-forward
Packet Buffer	• 384K bits
Mac Table Size	• 2K
Max Packet Size	• 1536 Bytes
PD Port	• 25Watts Max.
PSE Ports	• 30Watts Max.
PoE Power Budget	• if Powered by Uplink port with 802.3at connection, allow 22W for PSE function • if Powered by Uplink port with 802.3af connection, allow 10W for PSE function • if Powered by DC power adapter (optional accessory), allow 90W for PSE function
Power PIN Assignment	• PSE Ports : 1/2(-), 3/6(+) • PD port: Type A or Type B
PoE Features	• Power Management: consumption mode • Circuit protection • Over current protection
LED Display	• Per Port: Link/Act , PoE in(Uplink) / PoE out(1~4) • Per Device: Power, PoE Max.
Power Consumption	• 4 Watt Max. (without PoE power delivering)
Power Supply	• Optional External Power Adapter 48 ~ 57 VDC
Environment	• Operating temperature : 0°C to 50°C • Operating Humidity: 10% to 90% (Non-Condensing)
Dimension	• 140 * 86 * 24 mm
Certification	• FCC, CE

Application

Ordering information

RP-PE0504X   4-P 10/100 PoE+(out) + 1-P 10/100 PoE+(in) Multi-Port Extender Switch