

# 5 ports Fast Ethernet Switch With 4 Port PoE High Power Injector



## User Manual

Ver 1.0

## 1. Introductions

The RP-PE054J/F, a 4 ports Power over Ethernet (PoE) Fast Ethernet Switch, provides a 4-port broadband 10M/100Mbps Ethernet Switch with High Power Injection capability plus one uplink port for 10M/100Mbps Fast Ethernet. With 4 dip switches, each PoE port can be manually set for On-Off control. RP-PE054J/F is supporting high power injector of upto 48W if one port PoE is ON, or 48W on each PoE port if two PoE ports are ON, or 40W if three PoE ports are ON, or full 30W on each PoE port if four PoE ports are ON.

Every port including the uplink port can automatically sense your type of cable, so there is no need for crossover cables whether you are connecting this switch to another switch or to a computer. In addition, each port can automatically sense if the connected network devices are running at 10Mbps or 100Mbps and Half/Full-Duplex mode, and adjust accordingly.

RP-PE054J/F receives and forwards traffic seamlessly with its non-blocking wire-speed. Every port simultaneously supports up to 200Mbps of bandwidth in full-duplex mode. This feature provides full wire speed to the connected devices and allows to run a smooth network. With store and forward features, it maximizes network performance while minimizing the propagation of bad network packets.

## 2. Packing Contents

Inside the package you should find:

- (1) One POE SWITCH Switch
- (2) One AC to DC Power Adaptor (DC48V/2.7A)
- (3) One Power Cord
- (4) One User Manual

Please check if the packing is damaged or any component is missing. If so, please contact your distributor.

### 3. LED Indicators

On the front panel, there are 10 LED indicators as the following;

**POWER:** “Green On” indicates power is on and normal.

**UPLINK:** “Green On” indicates Ethernet Uplink port is in connection.  
“Fast Flashing” indicates Ethernet Uplink data activities at 100M.  
“Slow Flashing” indicates Ethernet Uplink data activities at 10M.

**LINK:** “Green On” indicates each Ethernet LAN port is in connection.  
“Fast Flashing” indicates each Ethernet LAN data activities at 100M.  
“Slow Flashing” indicates each Ethernet LAN data activities at 10M.

**PoE:** “Green On” indicates Power over Ethernet function is enabled.  
“OFF” indicates the PoE is disabled, and it becomes a regular LAN port.

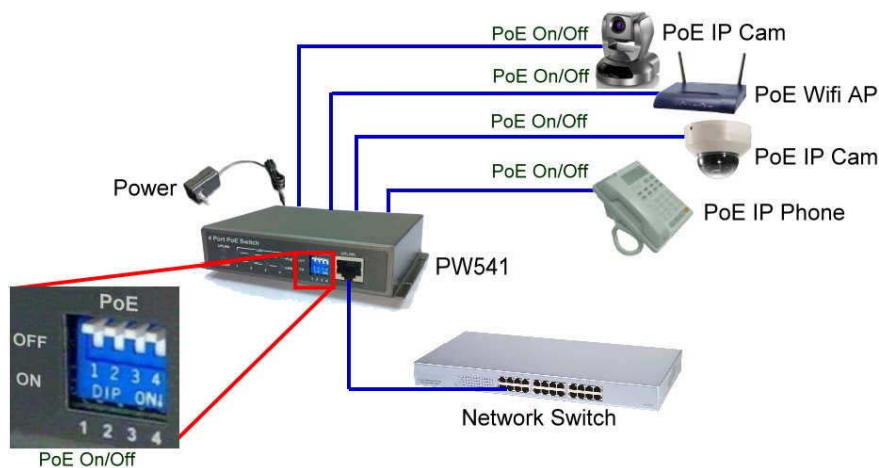
### 4. Dip Switch Settings vs Power over Ethernet

	1 port ON	2 ports ON	3 ports ON	4 ports ON
Maximum PoE Power	48Watts	48Watts	40watts	30Watts

Note that the dip switches can be switched ON and OFF anytime. However, it is suggested that the dip switches be set ready before the PoE port is connected for power management.

### 5. Application Notes

#### Connections with PoE PD Devices



## 6. Technical Specifications

<b>Standards</b>	IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.3x Flow Control
<b>PoE Features</b>	Number of Ports: 5 PoE Ports: 4 PoE On/Off Control: Dip Switches PoE Power Injection: 120Watts in total
<b>Ethernet Switch Features</b>	MAC Address: 2K Buffer Memory: 512K bits Store and Forward Auto MDIX Auto Negotiation Non-Blocking
<b>Filtering/Forwarding Rates</b>	100Mbps port - 148,800pps 10Mbps port - 14,880pps
<b>Transmission Media</b>	100BaseTx Cat. 5 UTP/STP 10BaseT Cat. 3, 4, 5 UTP/STP
<b>Led Indicators</b>	Per Port: Link/Act with 10/100M, PoE ON/OFF Per Unit: Power
<b>Power Adaptor</b>	Input: 90-260VAC, 50~60Hz Output: 48VDC 2.7A
<b>Power Consumption</b>	3 Watts (Max)
<b>Dimensions</b>	120 × 90 × 28 mm (L x W x H)
<b>Weight</b>	0.6 kg
<b>Operating Temperature</b>	0 to 55°C
<b>Storage Temperature</b>	-20 to 90°C
<b>Humidity</b>	0 to 90% RH (non-condensing)
<b>Certifications</b>	FCC , CE

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