

## **RP-PE054J | RP-PE054J/F**

### **5-P Fast Ethernet Switch w/ 4-P high PoE+, Mid-span**

RP-PE054J is a 5-port 10M/100M Fast Ethernet Switch with one uplink port + 4 ports of high Power over Ethernet 802.3at/af. With 4 dip switches, each PoE port can be manually set for On-Off control. The internal PoE power supply can send up to 48 Watts to a single port.

RP-PE054J supports power protections as OVP (Over Voltage Protection), OCP (Over Current Protection), robust short-circuit protection and surge protection.

RP-PE054J is compact in size, making it ideal for desktop users with limited space. It is an excellent solution for most network devices that require high-power such as outdoor security dome cameras and access points.



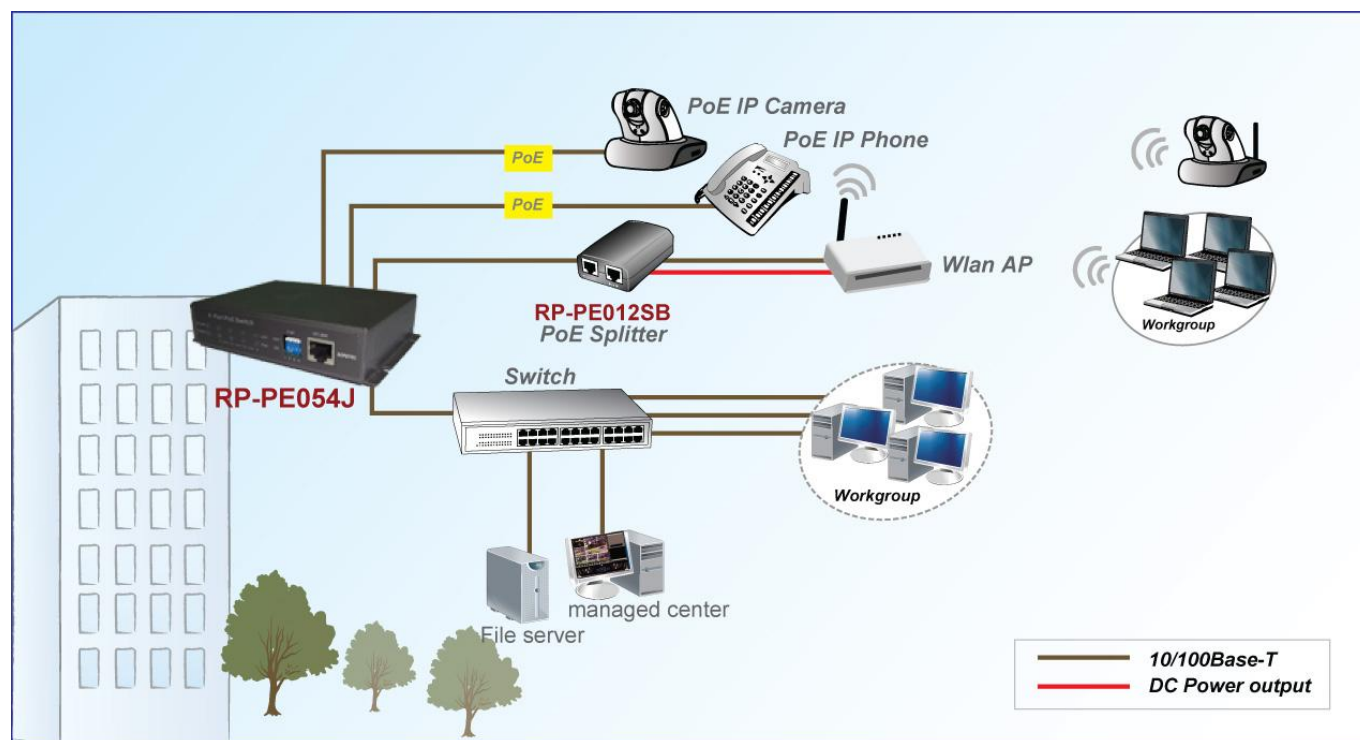
## **Feature**

- Comply with IEEE 802.3 af/at PoE standard
- Provides flexibility of 4 x 10/100BASE-TX high power PoE ports
- Supports auto-negotiation and auto-MDI/MDI-X cable detection on each port
- Store-and-Forward architecture to ensure error-free communications
- IEEE 802.3x flow control protects against lost packets for reliable data transmission
- Simple Plug and Play installation
- PoE On-Off Control per port by DIP switch
- High power injector up to 48W per port
- Power PIN Assignment: 4/5(+), 7/8(-)
- Support Power Protection: OVP (Over Voltage Protection), OCP (Over Current Protection), OTP (Over Temperature Protection), robust short-circuit protection and surge protection
- You can also use our repeater to extend another 100 meters or several hundred more meters with multiple units

## Specification

<b>Standards</b>	<ul style="list-style-type: none"> <li>• IEEE 802.3 10-BASE-T (Ethernet)</li> <li>• IEEE 802.3u 100-BASE-TX (Fast Ethernet)</li> <li>• IEEE 802.3x Flow Control (full-duplex flow control)</li> <li>• IEEE 802.3af Power over Ethernet</li> <li>• IEEE 802.3at Power over Ethernet Plus</li> </ul>															
<b>Interface</b>	<ul style="list-style-type: none"> <li>• 4* 10/100Mbps RJ-45 PoE ports</li> <li>• 1* 10/100Mbps RJ-45 Uplink Port</li> </ul>															
<b>MAC Address</b>	<ul style="list-style-type: none"> <li>• 1K</li> </ul>															
<b>Buffer Memory</b>	<ul style="list-style-type: none"> <li>• 48KB</li> </ul>															
<b>Transmission Method</b>	<ul style="list-style-type: none"> <li>• Store and Forward</li> </ul>															
<b>Backplane</b>	<ul style="list-style-type: none"> <li>• 1Gbps</li> </ul>															
<b>Filtering/Forwarding Rates</b>	<ul style="list-style-type: none"> <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>• PoE Power Output: Per Port 48V DC, Max. 30 watts (High power)</li> <li>• Power Budget: Max. 65W(RP-PE045J), 120W(RP-PE045J/F)</li> <li>• Power Pin Assignment: 4/5(+), 7/8(-)</li> <li>• PoE Power Supply Type: Mid-Span</li> </ul>															
<b>PoE on Each Port (Dip ON/OFF)</b>	<table border="1"> <thead> <tr> <th>PoE</th> <th>1 port ON</th> <th>2 ports ON</th> <th>3 ports ON</th> <th>4 ports ON</th> </tr> </thead> <tbody> <tr> <td><b>65W:</b></td> <td>@48W x1</td> <td>@30W x2</td> <td>@20W x3</td> <td>@15.4W x4</td> </tr> <tr> <td><b>120W:</b></td> <td>@48W x1</td> <td>@48W x2</td> <td>@40W x3</td> <td>@30W x4</td> </tr> </tbody> </table>	PoE	1 port ON	2 ports ON	3 ports ON	4 ports ON	<b>65W:</b>	@48W x1	@30W x2	@20W x3	@15.4W x4	<b>120W:</b>	@48W x1	@48W x2	@40W x3	@30W x4
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<b>120W:</b>	@48W x1	@48W x2	@40W x3	@30W x4												
<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>• External Power Adapter 100~240VAC / 50~60Hz, DC48V</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>• 120 * 90 * 28mm</li> </ul>															
<b>Certification</b>	<ul style="list-style-type: none"> <li>• FCC, CE</li> </ul>															

## Application



## Ordering information

**RP-PE054J** 5-P Fast Ethernet Switch, w/ 4-P High PoE+, Mid-span (65W)

**RP-PE054J/F** 5-P Fast Ethernet Switch, w/ 4-P High PoE+, Mid-span (120W)