



## 5-port FE Switch with 4-port PoE **PW541E**



- \* **Comply IEEE 802.3af**
- \* **19" chassis for 32-p PoE Switch**
- \* **Powered Device(PD) Detection**

### Introduction

PW541E is a 5-port 10M/100M Fast Ethernet Switch with one uplink port + 4 ports of Power over Ethernet capability. Per PoE port is power supply up to 15.4W. The total PoE power budget is 35W or 65W(optional). It is an ideal solution where office and home users utilize a combination of PoE and non-PoE enabled devices.

PW541E can be inserted into a 8-Bay 19" chassis WPS800 with up to 32-port PoE Switch.

### PoE Functionality for the LAN

Four ports on the PW541E are PoE enabled making it an ideal solution for most office users that have PoE enabled devices located around the office. These products can include a mixture of PoE IP Phones, PoE wifi APs and PoE IP Cam. PW541E is the perfect answer for offices that are upgrading their office equipment and LAN infrastructure to include PoE capability. The switch automatically detects IEEE 802.3af compliant device connected and provides power and data over a single cable to these devices.

### Stable and Reliable Network Environment

The PW541E enables users to deploy a stable and reliable high-speed LAN environment, with store-and-forward switching architecture, packet error filtering and non-blocking packet forwarding. The 802.3x and backpressure flow control mechanisms work respectively for full and half duplex modes. This device supports N-way auto-negotiation protocol that automatically detects networking speed and duplex modes.

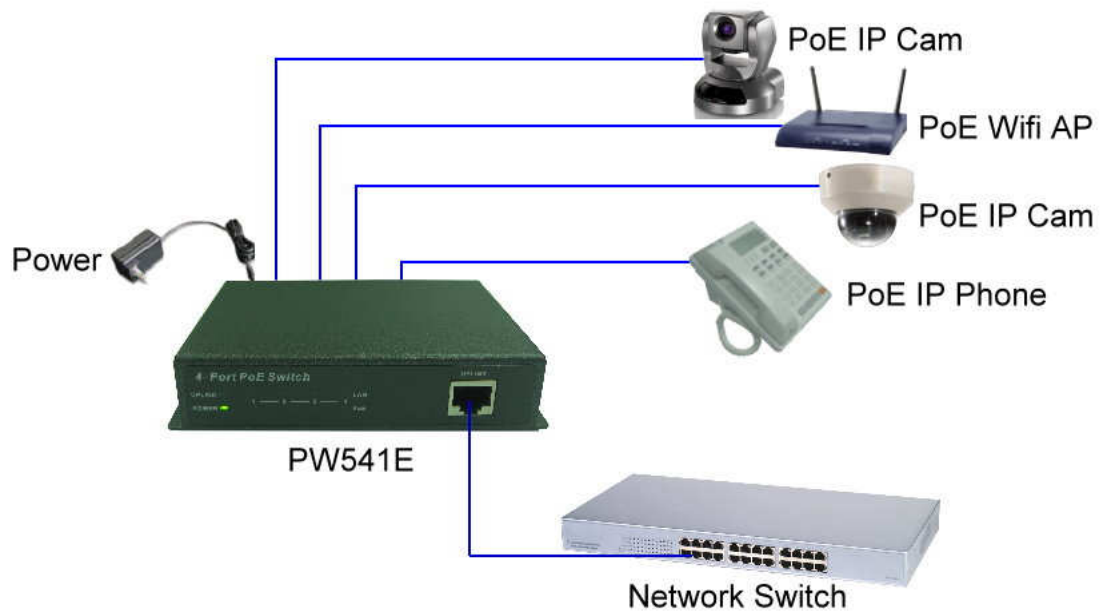
### Easy to Use

For instant error detection, the switch is equipped with a full range of LEDs to help monitor and troubleshoot problems on the network.

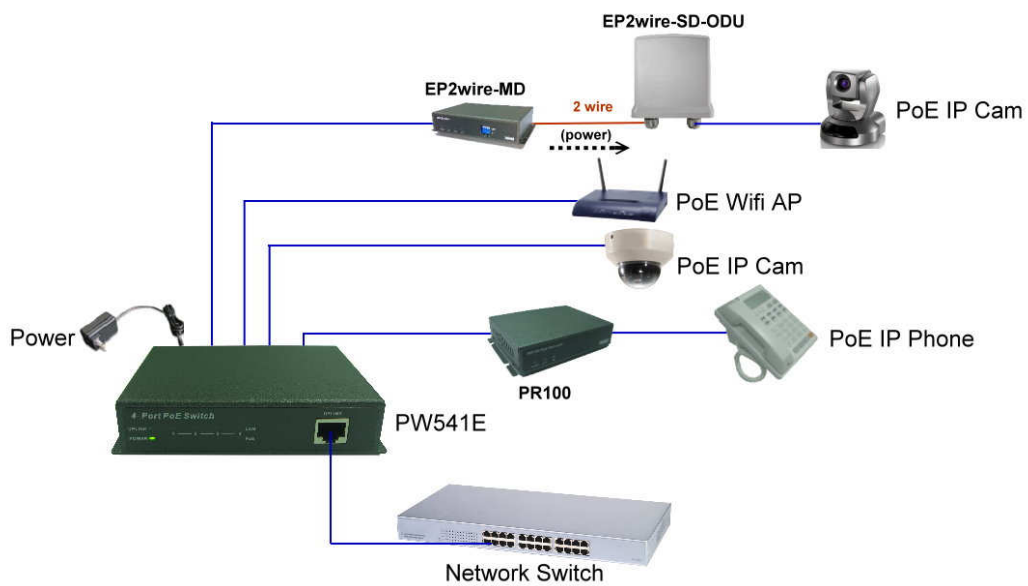
## Technical Specifications

<b>Standards</b>	IEEE 802.3: 10 BASE-T IEEE 802.3u: 100 BASE-TX IEEE 802.3af: Power Over Ethernet
<b>Features</b>	MAC Address: 1K Buffer Memory: 512K bits Transmission Method: Store and Forward
<b>Filtering/Forwarding Rates</b>	100Mbps port - 148,800pps 10Mbps port - 14,880pps
<b>Transmission Media</b>	10BaseT Cat. 3, 4, 5 UTP/STP 100BaseTX Cat. 5 UTP/STP
<b>Uplink Port</b>	1
<b>PoE Spec</b>	Supports up to 15.4 W for each PoE port PoE power budget : 65W PD classification identify PoE over current protection PoE circuit sorting protection PoE power on RJ-45 pin 3,6 for power + / pin 1,2 for power
<b>LED Indicators</b>	Power, Uplink , LAN1~4 port , PoE 1~4 port
<b>Power Adaptor</b>	100~240VAC/50~60Hz External Power Adapter
<b>Dimensions</b>	120 × 90 × 28 mm (L x W x H)
<b>Weight</b>	1.2 kg
<b>Operating Temperature</b>	0 to 50°C
<b>Humidity</b>	10 to 90% RH (non-condensing)
<b>Certifications</b>	FCC , CE

## Application Diagram



※ PW541 bundles with EP2wire or PR100 to extend PoE

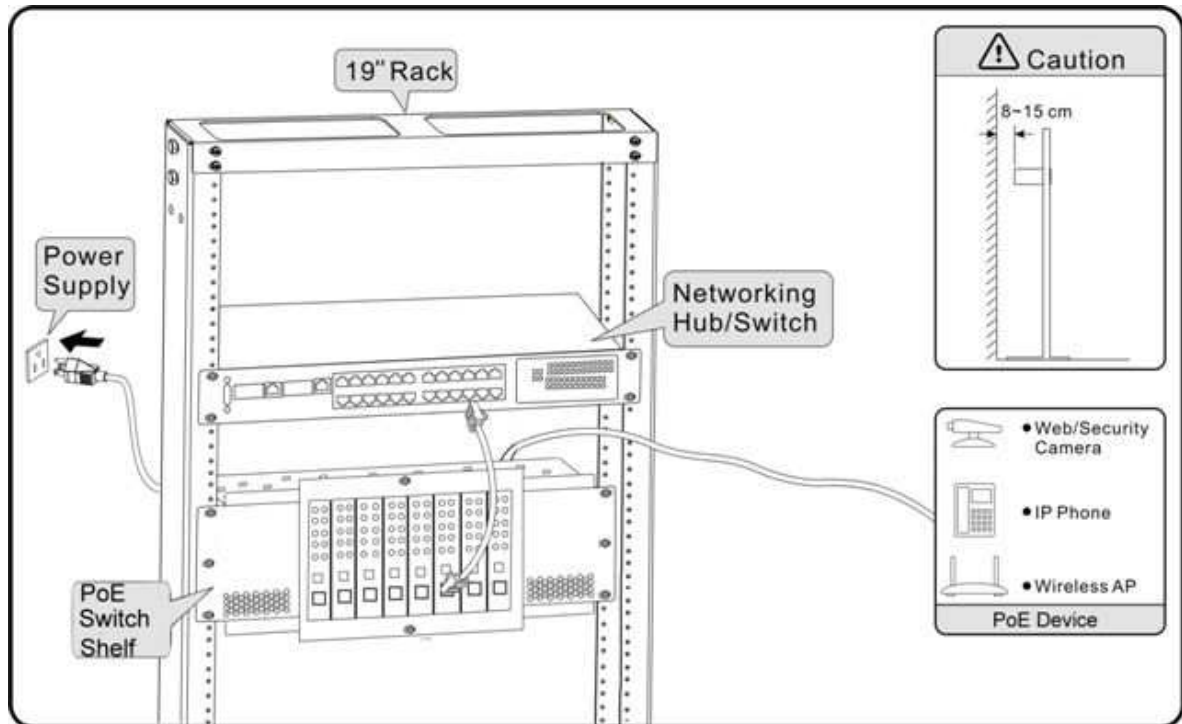


8-Bay 19" Power Chassis **WPS800**



WPS800, an 8-bay 19" power chassis, is designed specifically to station for 4-p PoE Switch PW541E. With plug & play features for easy installation, each bay of WPS800 can be plugged in for one PW541E to supply power (upto 15.4W) for remote PoE applications.

## Connection Diagrams



## Yoda Communications, Inc.

2F, No. 3-1, Industry East Road IX, Science Based Industrial Park, HsinChu, Taiwan  
Tel: +886-3-5632323 Fax: +886-3-5636420 [www.yoda.com.tw](http://www.yoda.com.tw)