



## 4-port PoE Switch with AC/DC power input

### PW541V



- \* **High power injector up to 30W**
- \* **IEEE 802.3af compliant**
- \* **PoE On-Off Control per port**
- \* **AC/DC Power Input**
- \* **Power Protection: OVP, OCP**

### Introduction

PW541V is a 5-port un-managed 10M/100M Fast Ethernet Switch with one uplink port + 4 ports of Power over Ethernet capability. With 4 dip switches, each PoE port can be manually set for On-Off control. PW541V is supporting high power injector of up to 30W if one port PoE is ON, or 15W on each PoE port if two PoE ports are ON, or with total PoE power budget of 30W if 4 PoE ports are all ON.

PW541V is designed for IP video surveillance applications and is suitable to be installed in a bus camper or any car vehicle for IP networking.

### Input AC/DC Power Range Flexible

The input power range can be flexible by either 20~28V AC or 10~48V DC with auto polarity detection to the PW541V through the detachable screw terminal.

### Auto-MDI/MDI-X Supported

Every 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.

### Power Protection

PW541V supports power protections as OVP (Over Voltage Protection), OCP (Over Current Protection), and robust short-circuit protections.

## Non-Blocking

This switch 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 you to run a smooth network.

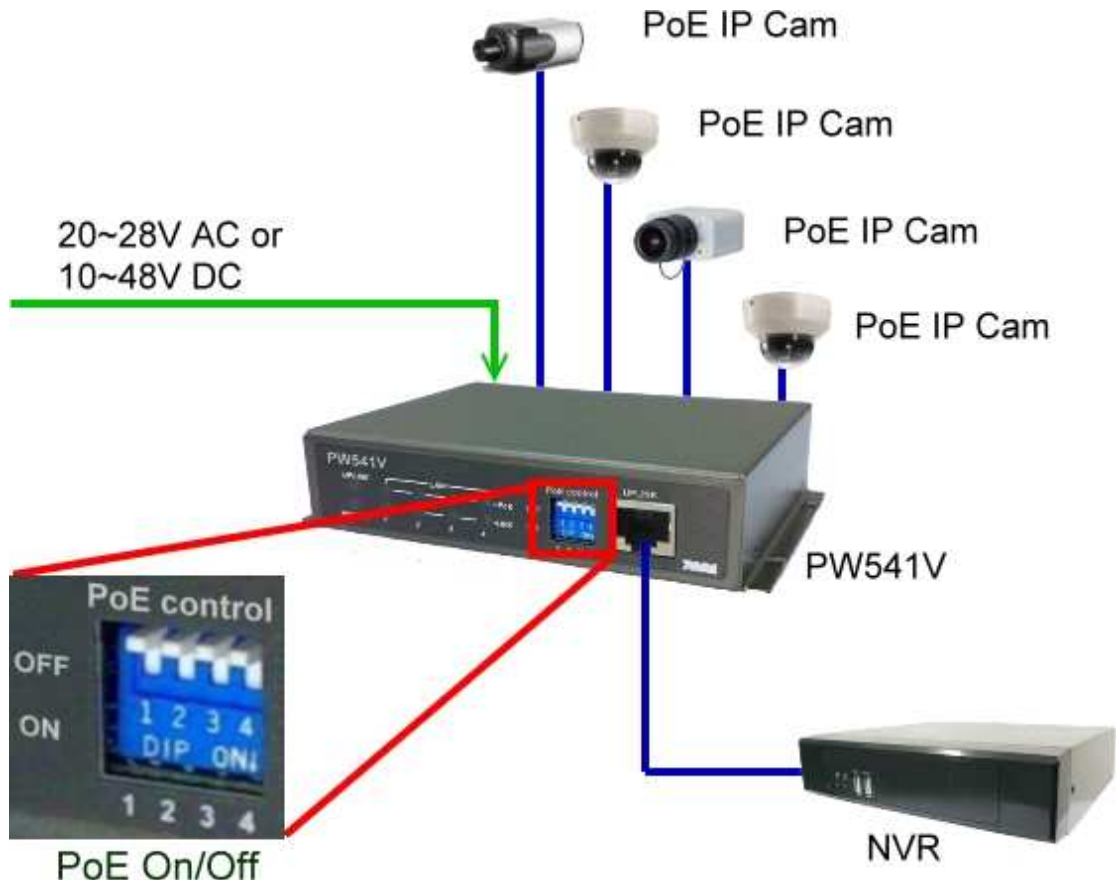
## Store and Forward

It maximizes network performance while minimizing the propagation of bad network packets.

## Technical Specifications

<b>Standards</b>	IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.3x Flow Control
<b>Features</b>	MAC Address: 2K 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 Output</b>	Maximum 30 watts for full PoE ports operation Output pin: 4, 5 for (+), 7, 8 for (-)
<b>LED Indicators</b>	Power, Uplink , LAN1~4 port , PoE 1~4 port
<b>Input Power Range</b>	10-48V DC input range with polarity detection (3.4A at 12VDC) or 20-28V AC input range (1.7A at 24VAC) Input Power Jack : Detachable Terminal Block
<b>Dimensions</b>	120 × 90 × 28 mm (L x W x H)
<b>Device Weight</b>	0.5 kg
<b>Operating Temperature</b>	0 to 50°C
<b>Humidity</b>	10 to 90% RH (non-condensing)
<b>Certifications</b>	FCC, CE/LVD

Application Diagram



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)