4-port PoE Switch with passive 24V/48V PoE Output

PW541S

* **Injects max. 30W per PoE port**
* **Power Input PoE+ PD or 48~56VDC**
* **PoE On-Off and DC Voltage Control**
* **1.5KV Surge protection**
* **Power Protection: OVP, OCP**
* **Industrial Grade: -40~ 60C (option)**

Introduction

PW541S is a 5-port DIP-managed 10M/100M Fast Ethernet Switch with one uplink port + 4 ports of passive 24V/48V PoE output capability. With 2 dip switches, each PoE port can be manually set for PoE On-Off control and passive PoE output of 24V or 48VDC. PW541S is supporting high power injector of up to 30W for each PoE port. PW541S is powered by local 48~56VDC through terminal block or through its uplink port which equips with PoE PD module capable to receive power of IEEE 802.3at or high power midspan PSE.

PW541S is designed for IP video surveillance and wireless applications and is suitable to be installed indoor or outdoor with IP-65 rating enclosure. Optionally, it has industrial grade version for harsh working environment.

Power Input and Backup by Local Power or High Power PoE PSE

The power input and backup of PW541S can be by either 48~56VDC or high power PoE PSE (IEEE 802.3at or midspan PoE).

Output Passive PoE 19/48V Selectable and high power output

The PoE output power range can be selectable for PoE On/Off and 19V/48V by two DIP SW ready on the front panel. Per PoE port can support upto 30W maximal.

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 and Surge Protection

PW541S supports power protections as OVP (Over Voltage Protection), OCP (Over Current Protection), and robust short-circuit protections. It can support 1.5KV surge protection in the field installation.
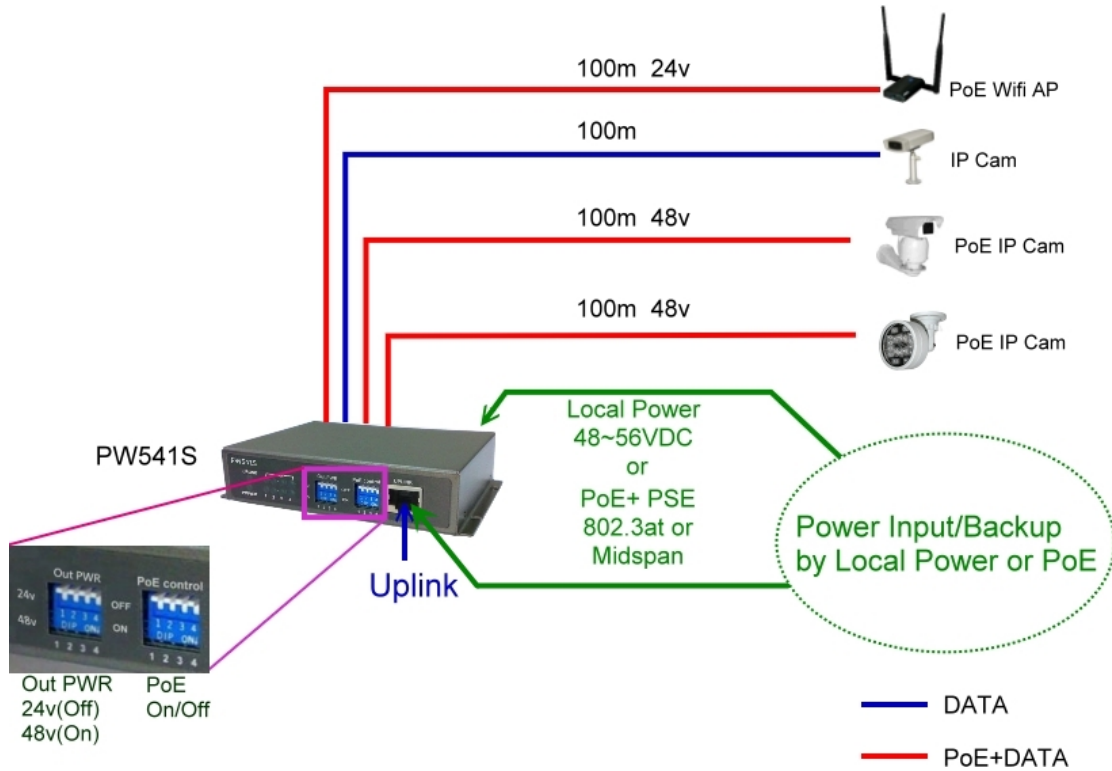
Store and Forward

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

Technical Specifications

Standards	IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.3x Flow Control
Features	MAC Address: 2K Buffer Memory: 512K bits Transmission Method: Store and Forward
Filtering/Forwarding Rates	100Mbps port - 148,800pps 10Mbps port - 14,880pps
Transmission Media	10BaseT Cat. 3, 4, 5 UTP/STP 100BaseTX Cat. 5 UTP/STP
Uplink Port	1
PoE Output	Maximum 30 watts for each PoE ports operation Output pin: 4, 5 for (+), 7, 8 for (-)
LED Indicators	Power, Uplink, LAN1~4 port , PoE 1~4 port
Input Power Range	48-56V DC Input Power Jack via Terminal Block (default) or PoE High Power midspan/IEEE 802.3at PSE Auto backup in between input power sources
Dimensions	120 × 90 × 28 mm (L x W x H)
Device Weight	0.5 kg
Operating Temperature	0 to 50℃
Humidity	10 to 90% RH (non-condensing)
Certifications	FCC, CE/LVD

Power Input	PoE #1~4 Total	Per PoE Output
65W Local DC power	55W	48V PoE: 30W
120W Local DC power	110W	24V PoE: 10W
802.3at PSE	20W	
60W midspan PSE	40W	

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