

**WI-PMS310GFR**  
**8GE+2SFP 24V Ports**  
**Outdoor Reverse PoE Switch**  
**with**  
**8-Port PoE Datasheet**

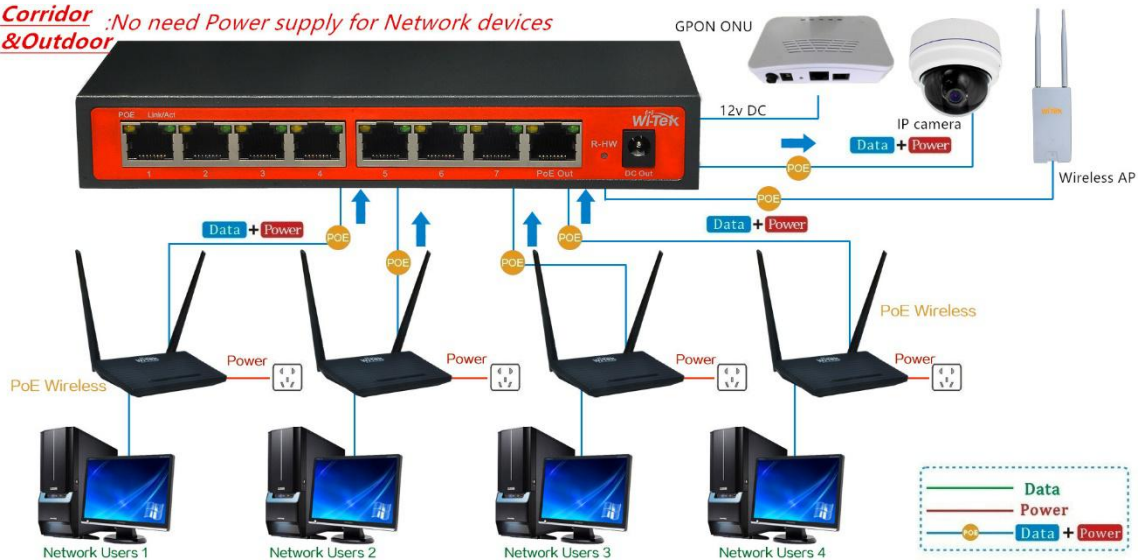
# Highlights

- Port1-7 for PoE In, Port 8 for PoE Out, 2SFP Fiber UPLINK PORT
- PoE Output 24V 1A
- Support 24V Passive PoE compliant PSD and PD
- Uplink Port for Gigabit SFP Fiber application
- L2/L3/L4 QoS and IGMP snooping optimize voice and video application
- Support STP/RSTP
- Up to 4K QVLANS simultaneously
- Link Aggregation Control Protocol (LACP)
- WEB/CLI managed modes, SNMP, bring abundant management features



# Typical Applications

**Corridor & Outdoor** :No need Power supply for Network devices



**HOME** :borrow user's electric to supply your ISP network

# Description

## **What This Product Does**

WI-TEK Reverse PoE Technology has intelligent Power management feature solving a major problem of powering the device for ISPs. This switch can be powered using Remote Power from customer end using specially designed reliable PoE Wireless Router from us or any standard PoE Injector (24V DC, 1A). This eliminates the need to arrange for power at building top and no UPS is needed / no money to be paid to society/power providing customer. This saves lot of MONEY for ISPs and improves service delivery with uninterrupted service to the customer.

## **How This Product Works**

It integrates 2\*1000Mbps Gigabit SFP Fiber Ports and 8\*100/1000Mbps Gigabit Ethernet network capabilities. Port1-7 for PoE In, Port8 for PoE Out, Support 24V Passive PoE compliant PSD and PD, 2Gigabit SFP can do Uplink Port. 8 Auto-Negotiation RJ45 ports (port-1 to port-7) of the switch support Power over Ethernet (PoE) IN function. These PoE ports (port-1 to port-7) can automatically detect and accept power with those 24v Passive PoE compliant PSE. Then this switch can continue to power up next switch or wireless AP/CPE via PoE output port 8

## **Easy To Use**

WI-PMS310GFR is easy to install and use. It requires no configuration and installation. With outstanding performance and quality, the WI- PS310GFR is a great selection for expanding your FTTB(fiber to the building) or FTTW(fiber to the wireless) network.

## Advanced QoS features

To integrate voice, data and video service on one network, the switch applies rich QoS policies. Administrator can designate the priority of the traffic based on a variety of means including IP or MAC address, TCP or UDP port number, etc, to ensure that voice and video are always clear, smooth and jitter free.

## Abundant Layer 2 features

For more application of layer 2 switches, WI-PMS310GFR supports a complete lineup of layer 2 features, including 802.1Q tag VLAN, Port Isolation, Port Mirroring, STP/RSTP, Link Aggregation Control Protocol and 802.3x Flow Control function. Any more, the switch provides advanced features for network maintenance. Such as Loop Back Detection, Cable Diagnostics and IGMP Snooping. IGMP snooping ensures the switch intelligently forward the multicast stream only to the appropriate subscribers while IGMP throttling & filtering restrict each subscriber on a port level to prevent unauthorized multicast access.

## Specifications

### HARDWARE FEATURES

<b>Interface</b>	8 RJ45 10/100/1000M ports 2SFP ports
<b>Network Media</b>	10Base-T: Pair 2 Category 3(Cat3) and above UTP/STP(≤150m) 100Base -TX: Pair 2 Category 5(Cat5) and above

	UTP/STP(≤150m) 1000Base-T: Pair 4 Category 5(Cat5e) and above UTP/STP(≤150m) 1000Base-SX:62.5μm/50μm MMF(2m~550m) 1000Base-LX:62.5μm/50μm MM(2m~550m) or 10μm SMF(2m~5000m)
<b>Fan Quantity</b>	Fanless
<b>PoE Out</b>	24V 1A
<b>POE Ports(RJ45)</b>	POE in Ports:Port1~7, POE out Port: Port 8
<b>POE pin</b>	4/5+, 7/8-
<b>Exchange Capacity</b>	20G
<b>Mac Address Table</b>	8K
<b>Dimensions</b>	Product Size: 285mm*220mm*45mm (L*W*H)

## SOFTWARE FEATURES

<b>Quality of Service</b>	Support 802.1p CoS/DSCP priority Support 4 priority queues Queue scheduling: SP, WRR, SP+WRR Port/Flow- based Rate Limiting
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<b>L2 Features</b>	<p>IGMP Snooping V1/V2/V3</p> <p>802.3ad LACP (Up to 8 aggregation groups, containing 8 ports per group)</p> <p>Spanning Tree STP/RSTP/MSTP</p> <p>Port isolation</p> <p>BPDU filtering/guard</p> <p>TC/Root protect</p> <p>Loop back detection</p> <p>802.3x Flow Control</p>
<b>VLAN</b>	<p>Supports up to 4K VLANs simultaneously (out of 4K VLAN IDs)</p> <p>Port/ MAC/Protocol-based VLAN</p> <p>Management VLAN configuration</p>
<b>Access Control List</b>	<p>L2~L4 package filtering based on source and destination MAC address, IP address, TCP/UDP ports, 802.1p, DSCP, protocol and VLAN ID;</p> <p>Time Range Based</p>
<b>Security</b>	<p>IP-MAC-Port-VID Binding</p> <p>IEEE 802.1X Port/MAC Based authentication, Radius, Guest VLAN</p> <p>DoS Defence</p> <p>Dynamic ARP inspection (DAI)</p> <p>SSH v1/v2</p> <p>SSL v2/v3/TLSv1</p> <p>Port Security</p> <p>Broadcast/Multicast/Unknown-unicast Storm Control</p>
<b>Managem ent</b>	<p>Web-based GUI and CLI management</p> <p>SNMP v1/v2c/v3, compatible with public MIBs</p> <p>DHCP/BOOTP</p>

	Client,DHCP Snooping,DHCP Option82 CPU Monitoring Port Mirroring Time Setting: SNTP Integrated NDP/NTDP feature Firmware Upgrade: TFTP & Web System Diagnose: VCT SYSLOG & Public MIBS
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## OTHERS

<b>Certification</b>	CE, FCC, RoHS
<b>Package Contents</b>	POE Switch Electric Line Guide Book/Warranty Card 2L Shape Mount+4 Shim
<b>Environment</b>	Working Temperature: 0℃～40℃ Storage temperature : -40℃～70℃ Working Humidity : 10%～90% RH non-condensing Storage Humidity: 5%～90% RH non-condensing