



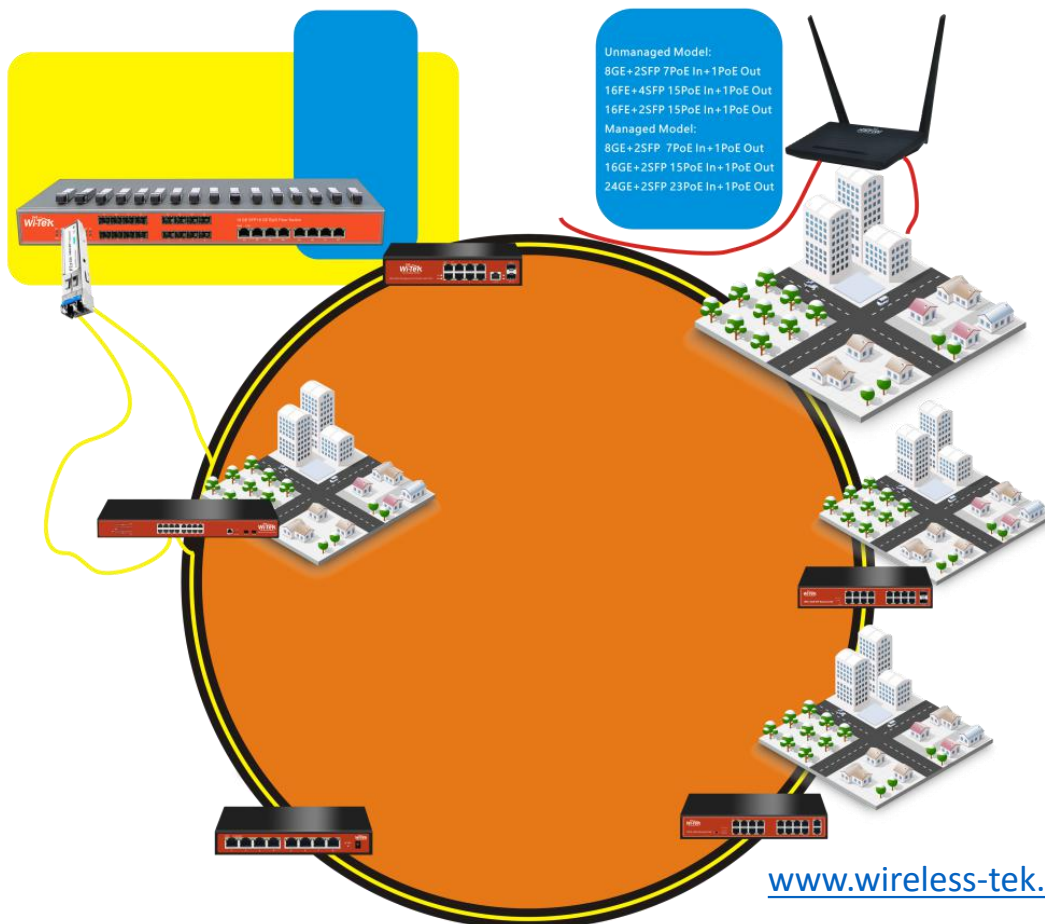
**WI-PMS318GFR**  
**16GE+2SFP 24V Ports Outdoor Reverse**  
**PoE Switch with 16-Port PoE**  
**Data sheet**

## Highlights

- Port1-15 for PoE In, Port 16 for PoE Out, 2 SFP Fiber Uplink port
- PoE output 24V 1A, DC output 12V
- 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 function
- Up to 4K QVLANS simultaneously
- Link Aggregation Control Protocol (LACP)
- WEB/CLI managed modes, SNMP, bring abundant management features



## Typical Applications



## Description

### What This Product Does

Wi-Tek Reverse PoE Technology has intelligent Power management features to provide a centralized, uninterrupted Outdoor PoE solution for FTTx ISP/WISP project. It build a multi-user sharing network to reduce the cost for ISP in rural area. It's also provide an eco-friendly solution. Once one of the users initiates a network request, the ISP device is awakened to provide a timely and uninterrupted network service, While there is no request from end-users, the device turn to sleep mode and does not consume electricity.

### How This Product Works

It integrates 2\*1000Mbps Gigabit SFP Fiber Ports and 16\*100/1000Mbps Gigabit Ethernet network capabilities. Port1-15 for PoE In, Port16 for PoE Out, Support 24V Passive PoE compliant PSD and PD, 2Gigabit SFP can do Uplink Port. 16 Auto-Negotiation RJ45 ports (port-1 to port-15) of the switch support Power over Ethernet (PoE) IN function. These PoE ports (port-1 to port-15) 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 16.

### Easy To Use

WI-PMS318GFR is easy to install and use. It requires no configuration and installation. With outstanding performance and quality, the WI- PS318GFR 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-24V 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>	16 RJ45 10/100/1000M ports 2 SFP 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>	2 Fan
<b>PoE Out</b>	24V 1A
<b>POE Ports(RJ45)</b>	POE In:Port1~15, POE Out: Port 16
<b>POE pin</b>	4/5+, 7/8-
<b>Exchange Capacity</b>	36G
<b>Mac Address Table</b>	8K
<b>Packet Forwarding Rate</b>	26.8Mpps
<b>Buffer</b>	4Mb
<b>Jumbo Frame</b>	10240Bytes
<b>Dimensions</b>	Product Size: 440mm*290mm*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
<b>L2 Features</b>	IGMP Snooping V1/V2/V3 802.3ad LACP (Up to 8 aggregation groups, containing 8 ports per group) Spanning Tree STP/RSTP/MSTP Port isolation BPDU filtering/guard TC/Root protect Loop back detection 802.3x Flow Control
<b>VLAN</b>	Supports up to 4K VLANs simultaneously (out of 4K VLAN IDs) Port/ MAC/Protocol-based VLAN Management VLAN configuration
<b>Access Control List</b>	L2~L4 package filtering based on source and destination MAC address, IP address, TCP/UDP ports, 802.1p, DSCP, protocol and VLAN ID; Time Range Based
<b>Security</b>	IP-MAC-Port-VID Binding IEEE 802.1X Port/MAC Based authentication, Radius, Guest VLAN DoS Defence Dynamic ARP inspection (DAI) SSH v1/v2

	SSL v2/v3/TLSv1 Port Security Broadcast/Multicast/Unknown-unicast Storm Control
<b>Management</b>	Web-based GUI and CLI management SNMP v1/v2c/v3, compatible with public MIBs DHCP/BOOTP Client, DHCP Snooping, DHCP Option82 CPU Monitoring Port Mirroring Time Setting: NTP Integrated NDP/NTDP feature Firmware Upgrade: TFTP & Web System Diagnose: VCT SYSLOG & Public MIBS

<b>OTHERS</b>	
<b>Certification</b>	CE, FCC, RoHS
<b>Package Contents</b>	POE Switch Electric Line Guide Book/Warranty Card
<b>Environment</b>	Working Temperature: -10°C ~ 55°C Storage temperature : -40°C ~ 70°C Working Humidity : 10% ~ 90% RH non-condensing Storage Humidity: 5% ~ 90% RH non-condensing