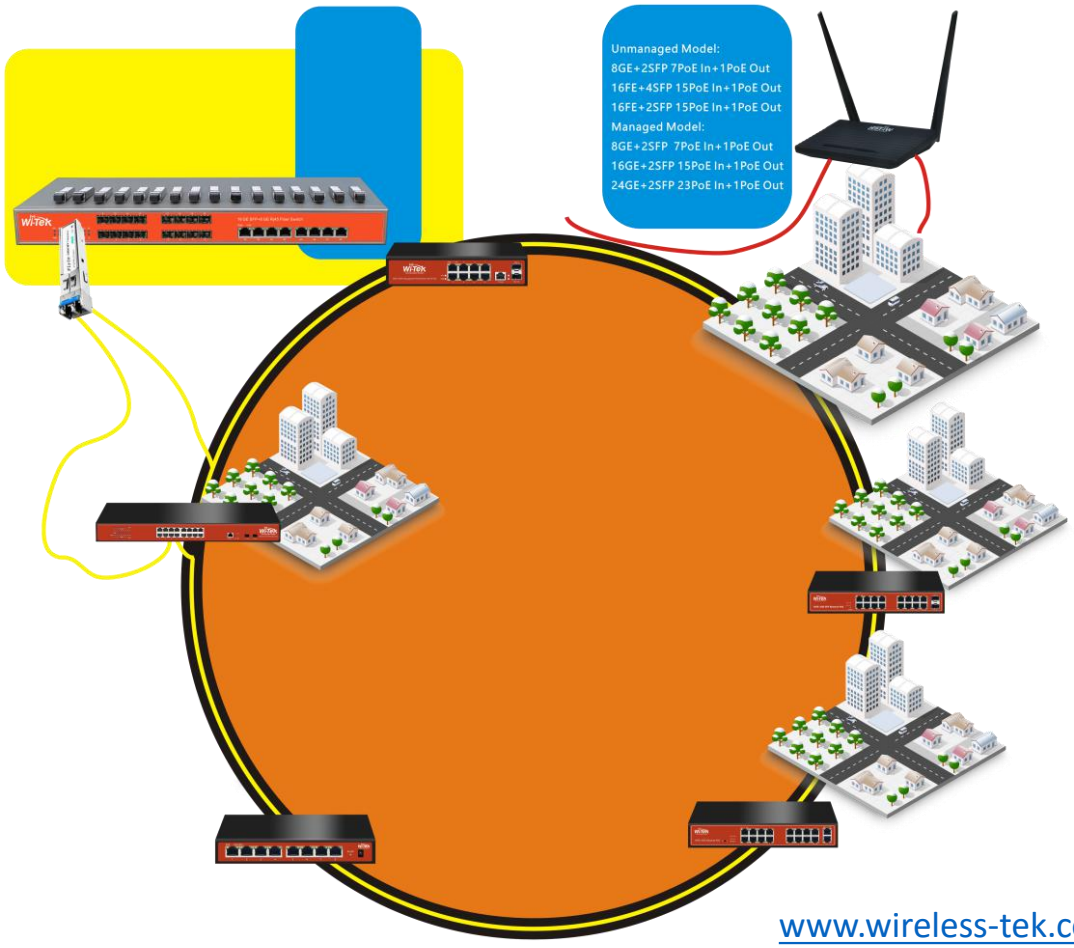
WI-PMS310GFR
8GE+2SFP 24V Ports Outdoor Reverse PoE Switch with 8-Port PoE
Data sheet

www.wireless-tek.com

Highlights

- Port1-7 for PoE In, Port 8 for PoE Out, 2 SFP Fiber uplink ports
- PoE Output 24V 1A, DC output 12V 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



Product



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 8*100/1000Mbps Gigabit Ethernet network capabilities. Port1-7 for PoE In, Port8 for PoE Out, Support 24V Passive PoE compliant PSD and PD, 2 Gigabit 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	
Interface	8 RJ45 10/100/1000M ports 2 SFP ports
Network	10Base-T: Pair 2 Category

Media	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)
Fan Quantity	Fanless
PoE Out	24V 1A
POE Ports(RJ45)	POE In:Port1~7 POE Out: Port 8
POE pin	4/5+, 7/8-
Exchange Capacity	20G
Mac Address Table	8K
Packet Forwarding Rate	14.9Mpps
Buffer	1.5Mb
Jumbo Frame	10240Bytes
Dimensions	Product Size： 225mm*105mm*32mm

	（L*W*H）

SOFTWARE FEATURES	
Quality of Service	Support 802.1p CoS/DSCP priority Support 4 priority queues Queue scheduling: SP, WRR, SP+WRR Port/Flow- based Rate Limiting
L2 Features	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
VLAN	Supports up to 4K VLANs simultaneously (out of 4K VLAN IDs) Port/ MAC/Protocol-based VLAN Management VLAN configuration
Access Control List	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

Security	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
Management	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: SNTP Integrated NDP/NTDP feature Firmware Upgrade: TFTP & Web System Diagnose: VCT SYSLOG & Public MIBS

OTHERS	
Certification	CE, FCC, RoHS
Package Contents	POE Switch Electric Line Guide Book/Warranty Card
Environment	Working Temperature： -10℃～55℃ Storage temperature ： -40℃～70℃ Working Humidity ：

	10%～90% RH non-condensing Storage Humidity：5%～90% RH non-condensing