



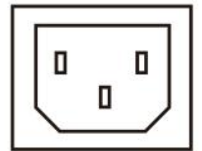
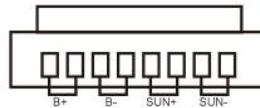
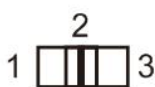
**WI-PMS310GF-UPS  
8GE+2SFP Ports 24V L2  
Managed UPS No-Break PoE  
Switch  
with 10-Port PoE Datasheet**



[www.wireless-tek.com](http://www.wireless-tek.com)

# Highlights

- 8GE+2SFP Full Gigabit Switch with 8 PoE
- Internal power adapter supply 150W for 8 channel 24V/48V PoE
- Each PoE port can be modified to 24V/48V by manual.
- The power supply of each PoE port can be remotely controlled via user interface.
- Inside solar controller and battery controller for charge and dis-charge battery circuitry from solar Panel and AC
- Auto detection to prevent over current and short-circuit.
- Up to 4K QVLANS simultaneously
- Link Aggregation Control Protocol (LACP)
- Operating Temperature -30C to +70C
- WEB/CLI managed modes, SNMP, bring abundant management features



### BATTERY CAPACITY SELECTION

- 1: 24V 50AH
- 2: 24V 30AH
- 3: 24V 80AH

### LED

- SUN: Solar energy in(25%--100%)
- AC: AC in(Charging and discharging)
- VOUT: 24V VOUT OK(indicator)
- BOK: Battery ok
- BOUT: Battery OUTPUT
- BIN: Battery in

### Battery IN/SUN IN

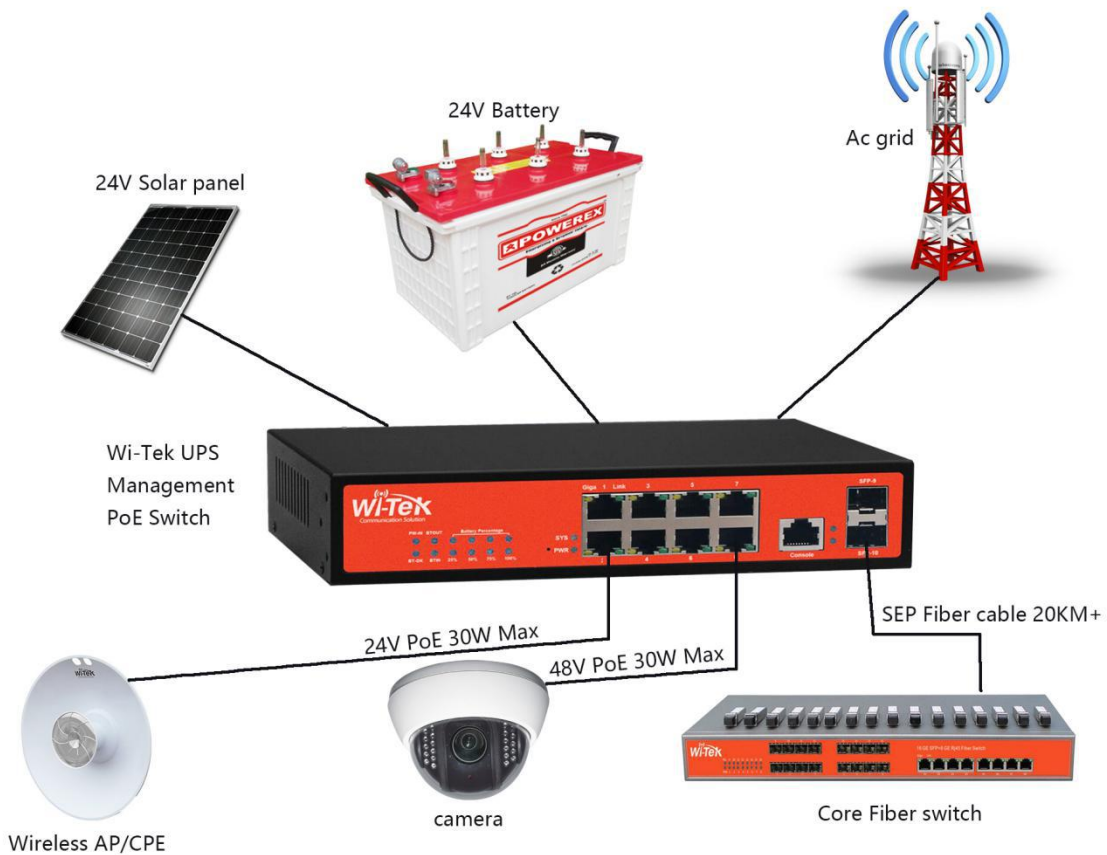
- Battery: 24V 30~80AH
- B+: Battery+IN
- B-: Battery-IN
- sun: 24-36V 200W OR UP
- SUN+: Solar energy +IN
- SUN-: Solar energy -IN

### ON-OFF

### AC POWER IN

- 100-240V 50/60HZ
- MAX 3A

## Typical Applications



## Description

### What This Product Does

8 gigabit L2 managed switch WI-PMS310GF-UPS provides 8 adjustable 10/100/1000Mbps PoE ports, each port does support both 24V and 48V output. The switch provides high performance, enterprise-level QoS, advanced security strategies and rich layer 2 management features. Moreover, the switch also comes equipped with 2 gigabit SFP slots, expanding your network flexibly. WI-PMS310GF-UPS UPS system is designed specifically for 24VDC POE equipment like that from Ubiquiti, WI-TEK, Mikrotik, etc. The system provides up to 150W of continuous total PoE power on 8 switched PoE ports. Its inside battery controller maintains the proper charge on the batteries to prevent

over charge and controls the load to prevent over discharge. With 2PCS 12V 100AH battery, can offer 24hours back-up time. Also WI-PMS310GF-UPS 's inside solar controller and DC input port support utilize the solar capacity to extend the backup time(and can charge battery at same time).

This device is L2 managed model, with Quality of Service (QoS, L2 to L4) provides enhanced traffic management capabilities to move your data smoother and faster.

Anymore, the easy-to-use web management interfaces, along with CLI, SNMP, mean faster setup and configuration with less downtime. For work group and departments requiring cost-sensitive Layer 2 Switch and gigabit capability, Wi-Tek L2 managed Switch WI-PMS310GF-UPS provides you the ideal access-edge solution.

## **Secure Networking**

Wi-Tek this WI-PMS310GF-UPS provides IP-MAC-Port-VID Binding, Port Security, Storm control and DHCP Snooping which protect against broadcast storms, ARP attacks, etc. It integrates some typical DoS attacks to select. You can protect these attacks more easily ever than before. In addition, the Access Control Lists (ACL, L2 to L4) feature restricts access to sensitive network resources by denying packets based on source and destination MAC address, IP address, TCP/UDP ports and even VLAN ID..

## **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-PMS310GF-UPS 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 10/100/1000Mbps RJ45 Ports (24V/48v Adjustable output power) 2 1000Mbps SFP Slots 1 Console Port
<b>Network Media</b>	10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) 100BASE-TX/1000Base-T: UTP category 5, 5e, 6 or above cable (maximum 100m) 1000BASE-X: MMF, SMF 1000Base-L X:62.5µm/50µm MM(2m~550m) or 10µm SMF(2m~5000m)
<b>Fan Quantity</b>	Fanless
<b>Power Consumption</b>	150W (max. with PoE device connected)
<b>Power</b>	AC 110~250V 50/60HZ

## HARDWARE FEATURES

<b>Supply</b>	
<b>Solar Controller Input</b>	24-30V 250W Up
<b>Battery Input</b>	24V 10AH~100AH
<b>PoE Ports (RJ45)</b>	802.3af/at48V and 24V Passive PoE compliant PoE Ports: Port1- Port8 Power Supply: 150W
<b>Exchange Capacity</b>	20G
<b>Packet Forwarding Rate</b>	14.9Mpps
<b>Mac Address Table</b>	8K
<b>Packet Buffer Memory</b>	4Mb
<b>Jumbo Frame</b>	10KB
<b>Dimensions</b>	Product Size: 225mm* 105mm*32mm (L*W*H)

## SOFTWARE FEATURES

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<b>Quality of Service</b>	<p>Support 802.1p CoS/DSCP priority</p> <p>Support 4 priority queues</p> <p>Queue scheduling: SP, WRR, SP+WRR</p> <p>Port/Flow- based Rate Limiting</p>
<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</p> <p>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</p>



## SOFTWARE FEATURES

	<p>VLAN DoS Defence Dynamic ARP inspection (DAI) SSH v1/v2 SSL v2/v3/TLSv1 Port Security Broadcast/Multicast/Unknown-unicast Storm Control</p>
<b>Management</b>	<p>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 &amp; Web System Diagnose: VCT SYSLOG &amp; Public MIBS</p>

## OTHERS

<b>Certification</b>	CE, FCC, RoHS
<b>Package Contents</b>	<p>POE Switch Electric Line Guide Book/Warranty Card</p>
<b>Environment</b>	<p>Working Temperature: 0°C ~ 40°C Storage temperature : -30°C ~ 70°C</p>



## OTHERS

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	<p>Working Humidity :</p>
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10%~90% RH

non-condensing

Storage Humidity:

5%~90% RH non-condensing

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