

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



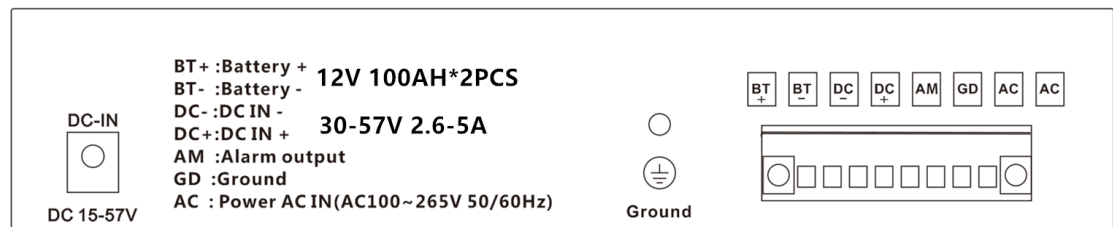
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Highlights

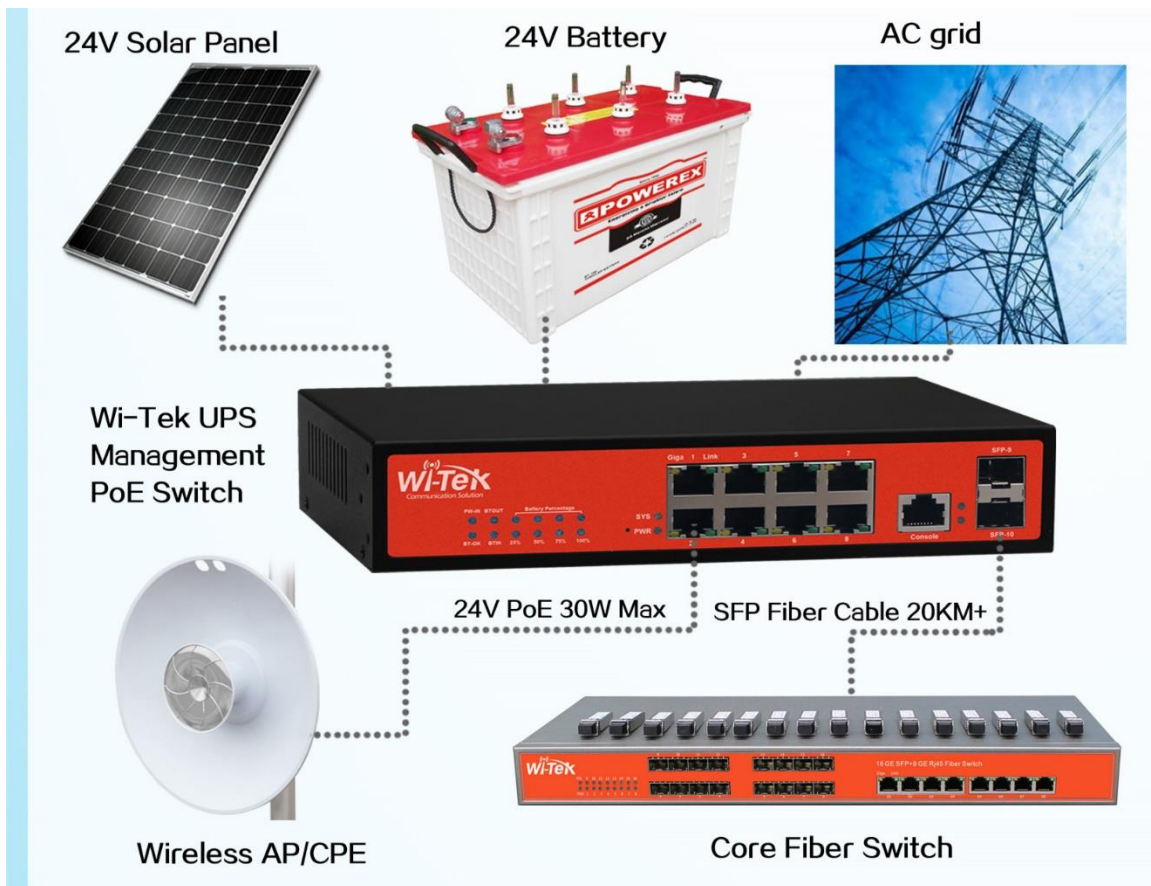
- 8GE+2SFP Full Gigabit Switch with 8 PoE
- Internal power adapter supply 150W for 8 channel 24V PoE
- support solar panel and battery for 24-hours back-up time
- Inside battery controller for charge and dis-charge battery circulatory from DC(solar Panel) and AC
- Restart AP via PoE managed page remotely
- Up to 4K QVLANS simultaneously



- Link Aggregation Control Protocol (LACP)
- Operating Temperature -30C to +70C
- WEB/CLI managed modes, SNMP, bring abundant management features



Typical Applications



Description

What This Product Does

8 gigabit L2 managed switch WI-PMS310GF-UPS provides 8 10/100/1000Mbps ports. 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 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 workgroup 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

Interface	8 10/100/1000Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX) 2 1000Mbps SFP Slots 1 Console Port
Network Media	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)
Fan Quantity	Fanless
Power Consumption	150W (max. with PoE device connected)
External Power Supply	DC 30-57V 2.6-5A AC 110~250V 50/60HZ

HARDWARE FEATURES

DC Input	30-57V 2.6-5A
Solar Controller Input	30-57V 2.6-5A
Battery Input	12V 20AH~100AH*2PCS in series
PoE Ports (RJ45)	24V Passive PoE compliant PoE Ports: Port1- Port8 Power Supply: 150W
Exchange Capacity	20G
Packet Forwarding Rate	14.9Mpps
Mac Address Table	16K
Packet Buffer Memory	4Mb
Jumbo Frame	10240 Bytes
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

SOFTWARE FEATURES

	<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>
Management	<p>Web-based GUI and CLI management</p> <p>SNMP v1/v2c/v3, compatible with public MIBs</p> <p>DHCP/BOOTP Client, DHCP Snooping, DHCP Option82</p> <p>CPU Monitoring</p> <p>Port Mirroring</p> <p>Time Setting: SNTP</p> <p>Integrated NDP/NTDP feature</p> <p>Firmware Upgrade: TFTP & Web</p> <p>System Diagnose: VCT</p> <p>SYSLOG & Public MIBS</p>

OTHERS

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

OTHERS

Storage temperature :

-30°C~70°C

Working Humidity :

10%~90% RH

non-condensing

Storage Humidity:

5%~90% RH non-condensing