



**WI-PMS310GF-Alien  
8GE+2SFP Ports 24V/48V Mixed  
L2 Managed PoE Switch  
with 8-Port PoE  
Data sheet**

## Highlights

- 8GE+2SFP Full Gigabit Switch with 8 PoE ports
- Internal power adapter supply 150W output power
- L2/L3/L4 QoS and IGMP snooping optimize voice and video application
- Support short-circuit protection and Over-current protection
- The output power of each PoE port can be remotely modified to 24V/48V via user management page
- Support STP/RSTP
- 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

8 gigabit L2 managed switch WI-PMS310GF 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-Alien is the cost-effective network solution for the ideal small and medium business.

WI-PMS310GF-Alien has robust security and management features. The IP-MAC-Port-VID Binding and Access Control List (ACL) functions protect against broadcast storms, ARP and Denial-of-Service(DoS) attacks, etc. 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-Alien provides you the ideal access-edge solution.

### Secure Networking

Wi-Tek this WI-PMS310GF-Alien 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. Moreover, the switch supports 802.1X authentication, which is used in conjunction with a RADIUS server to require some authentication information before access to the network is allowed.

## 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-Alien 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 (48V/24V Adjustable) 2 1000Mbps SFP Slots

## HARDWARE FEATURES

	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>External Power Supply</b>	DC 52V 2.8A AC 110~265V 50/60HZ
<b>PoE Ports (RJ45)</b>	Standard: 802.3 af/at 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>	1.5Mb

## HARDWARE FEATURES

<b>Jumbo Frame</b>	10240Bytes
<b>Dimensions</b>	Product Size: 225mm* 105mm*32mm (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

## SOFTWARE FEATURES

### 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	
<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