



WI-PMS312GF
8GE+4Combo Ports 48V
L2 Managed PoE Switch
with 8-Port PoE
Data sheet

Highlights

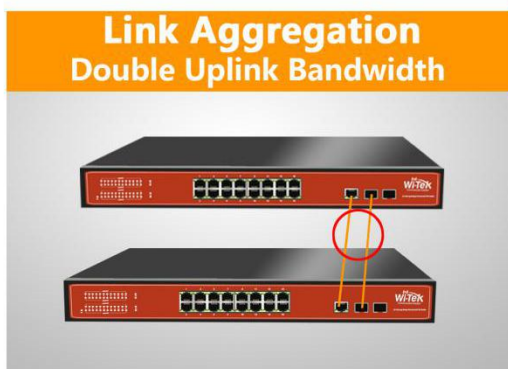
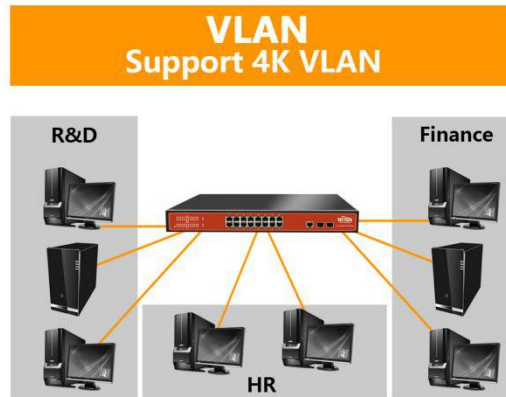
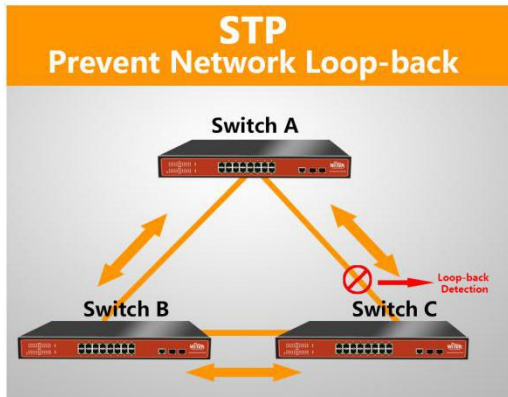
- 8GE+4Combo SFP Full Gigabit Switch with 8 PoE ports
- Internal power adapter supply 150W output power
- L2/L3/L4 QoS and IGMP snooping optimize voice and video application
- Support STP/RSTP
- Up to 4K QVLANS simultaneously
- Link Aggregation Control Protocol (LACP)
- WEB/CLI managed modes, SNMP, bring abundant management features

Product



Typical Applications





Description

What This Product Does

8 gigabit L2 managed switch WI-PMS312GF 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 4 gigabit Combo SFP slots, expanding your network flexibly. WI-PMS312GF is the cost-effective network solution for the ideal small and medium business.

WI-PMS312GF 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 workgroup and departments requiring cost-sensitive Layer 2 Switch and gigabit capability, Wi-Tek L2 managed Switch WI-PMS312GF provides you the ideal access-edge solution.

Secure Networking

Wi-Tek this WI-PMS312GF 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 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) 4 1000Mbps combo 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 Budget | 150W |
| Internal Power Supply | AC 110~240V 50/60HZ |
| PoE Ports | Standard: 802.3 af/at compliant |

HARDWARE FEATURES

| | |
|-------------------------------|---|
| (RJ45) | PoE Ports: Port1- Port8 Power Supply: 150W |
| Exchange Capacity | 24G |
| Packet Forwarding Rate | 17.9Mpps |
| Mac Address Table | 8K |
| Packet Buffer Memory | 4Mb |
| Jumbo Frame | 10240 Bytes |
| Dimensions | Product Size: 295mm*195mm*45mm (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 |

SOFTWARE FEATURES

| | |
|----------------------------|--|
| | <ul style="list-style-type: none">Port isolationBPDU filtering/guardTC/Root protectLoop back detection802.3x Flow Control |
| VLAN | <ul style="list-style-type: none">Supports up to 4K VLANs simultaneously (out of 4K VLAN IDs)Port/ MAC/Protocol-based VLANManagement VLAN configuration |
| Access Control List | <ul style="list-style-type: none">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 | <ul style="list-style-type: none">IP-MAC-Port-VID BindingIEEE 802.1X Port/MAC Based authentication, Radius, Guest VLANDoS DefenceDynamic ARP inspection (DAI)SSH v1/v2SSL v2/v3/TLSv1Port SecurityBroadcast/Multicast/Unknown-unicast Storm Control |
| Management | <ul style="list-style-type: none">Web-based GUI and CLI managementSNMP v1/v2c/v3, compatible with public MIBs DHCP/BOOTP Client, DHCP Snooping, DHCP Option82CPU MonitoringPort Mirroring |

SOFTWARE FEATURES

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°C ~ 55°C
Storage temperature :
-40°C ~ 70°C
Working Humidity :
10% ~ 90% RH
non-condensing
Storage Humidity:
5% ~ 90% RH non-
condensing