WI-TEK
Communication Solution

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L2+ Gigabit 802.3af/at PoE Switch
WI-PMS552F

Overview

Wi-Tek's WI-PMS552F L2+ managed switch provides high-performance, powerful L2 and L2+ functions such as static routing, QoS, ACL policy, and DHCP Server functions. The 10Gb SFP port guarantees high-speed data transmission, and backward compatibility with gigabit products reserves space for network upgrades, thus ensuring stable and long-term availability. WI-PMS552F L2+ 10Gb managed switch provides a reliable and secure solution for enterprises, shopping malls, ISP networks.

Features

Flexible VLAN Division

In an enterprise office network, to isolate network access between different departments and prevent PC infection from affecting the entire network, it is necessary to divide the interior into different VLANs, isolate broadcast domains and improve network stability. Wi-Tek switches provide a convenient and flexible way to divide VLANs, allowing you to assign ports to different VLANs as needed. Users in different VLANs do not affect each other, creating a more stable network for users.

Networking Security

The L2+ managed switches provide IP-MAC-Port 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 against 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/TACACS+ server to require some authentication information before access to the network is allowed.

Abundant L2+ Features

The L2+ managed switches support a complete lineup of L2 features, including 802.1Q VLAN,Port Mirroring, STP/RSTP/MSTP, Link Aggregation Control Protocol and 802.3x Flow Control function. Any more, the switch provides advanced features for network maintenance. Such as Loopback Detection and IGMP Snooping. IGMP snooping ensures the switch intelligently forward the multicast stream only to the appropriate subscribers while IGMP thronging & filtering restrict each subscriber on a port level to prevent unauthorized multicast access. Moreover, L2+ managed switches support L2+ feature-static routing, which is a simple way to provide segmentation of the network with internal routing through the switch and helps network traffic for more efficient use.

Easy Network Operation and Maintenance

It supports SNMP, RMON, Syslog, backup log and configuration, and other features for daily network diagnosis and maintenance. At the same time, administrators can use CLI (command line interface), Web network management, TELNET, and other diversified management and maintenance methods to facilitate device maintenance management. For the WEB network management method, we provide a friendly configuration interface. You can easily use the mouse to realize the above VLAN division, address binding, security protection, and other functions in the graphical interface.

Specifications

Model	WI-PMS552F
Hardware Specifications	
Interface	48x10/100/1000Mbps PoE+ Ports 1xConsole Port 4x10G SFP Slots
Port Standard	IEEE 802.3 IEEE 802.3u 100BASE-TX IEEE 802.3ab1000BASE-T IEEE 802.3x IEEE 802.3ae: 10 Gigabit Ethernet over fiber IEEE 802.3af/at IEEE 802.3ad IEEE 802.3q 、 IEEE 802.3q/p IEEE 802.1w、IEEE 802.1d 、 IEEE 802.1S
PoE	PoE Standard	802.3af/at
	PoE Ports	48, up to 30W per port
	PoE Power Budget	565W
Power Supply	Built-in switching power supply: AC 100~240V 50/60HZ
Power Consumption	Full loading without PoE ≤ 35W
Switching Capacity	176Gbps
Packet Forwarding Rate	184.64Mpps
Jumbo Frame	16kB
MAC Address Table	16K
Fan Quantity	2
DDR	2G DDR3 1333MHz
FLASH	64M
DRAM	256M
Dimensions(W x D x H)	Product Size: 440mm*360mm*45mm Package dimensions: 553mm*403mm*95mm
Net weight/gross weight	5.6kg/6.45kg
LED indicator	PW Off: the device is power off or failed On: the device power on is normal SYS: Blinking: device on and normal operation 1~48: (Data indicator is green） Off: ports link down On: ports link up Blinking: data on TX/RX 1~48 port:(POE indicator is yellow） Off: PoE not working On: PoE working 48~52 port:（The optical port indicator is green） Off: ports link down On: ports link up Blinking: data on TX/RX
Protection Level	Port lightning protection：4kV 8/20us Protection class：IP30

Transmission Method	Store— Forward
Installation	Rack- Mounted
Environment	Operating temperature/humidity：-20～+55°C；5%～90% RH no condensation Storage temperature/humidity：-40～+75°C；5%～95% RH no condensation
Certification	CE, FCC, RoHS
Software Features	
Spanning Tree	802.1d STP
	802.1w RSTP
	802.1s MSTP
Reliability	Port Loop Detection
	EAPS
	ERPS
	LLDP/LLDP-MED
	UDLD
	VLLP
VLAN	Max 4K VLAN Groups
	Port-based VLAN
	802.1q-based VLAN
	MAC address based VLAN
	IP address based VLAN
	Protocol-based VLAN
	Voice VLAN
	VLAN mapping
	QinQ
Port	Close and open ports
	Port auto-negotiation
	broadcast storm control
	port mirroring
	port speed limit
	Link aggregation (up to 32 aggregation groups are supported, each group supports up to 8 ports)
	Port isolation
	Jumbo Frame
	LACP
Security	Support opening and closing TELNET, WEB and SNMP services Support TELNET, WEB and SNMP services to bind with standard IP ACL
	CPU protection
	Support 802.1x protocol Support RADIUS protocol Support authentication, authorization and accounting through RADIUS server Supports port-based and MAC-based 802.1x
	IP MAC address binding

Security	DHCP SNOOPING(Support fixed port connection to DHCP server, prevent private connection to DHCP server)
	Prevent ARP spoofing
Access Control List	Standard IP based ACL
	ACL based on extended IP
	ACL based on MAC IP
	ACL based on MAC ARP
	ACL port filtering
	time-based ACL
QOS	8 priority queues
	Support WRR, RR, WDRR, SP scheduling mode
	Based on 802.1p classification
	Classification based on DSCP (DiffServ)
	Classification based on ACL
L2 Multicast	Support static multicast MAC address
	Support IGMP SNOOPING v1/v2/v3 Support IGMP Querier Support IGMP SNOOPING filtering
	MVR
	GMRP
IPv6	IPv4/IPv6 Dual Protocol Stack
	Support manual address configuration and stateless address auto-configuration
	IPv6 Neighbor Discovery
	ICMPv6
	IPv6 Path MTU Discovery
L3	ARP
	Static Route(Support static route based on IPv4 and IPv6)
	VLAN Interface(Support 32 VLAN interfaces)
	RIP(Support RIP v1/v2 & IPv6 RIPng)
	OSPF(Support OSPFv2 & IPv6 OSPFv3)
	BGP(Support BGP4 & IPv6 BGP4+)
	Policy Route
	VRRP
DHCP	DHCP Client
	DHCP Snooping
	DHCP Relay
	DHCP Server
	DHCP option 82

Management	CLI Management(Support Console, Telnet and SSH)
	WEB Management
	SNMP Management: Support SNMP v1, v2c, v3 Support SNMP TRAP Support lots of standard and private MIBs
	TACACS+: support switch authentication via TACACS+ server remote username and password Support password encryption in PAP and CHAP mode Support TACACS+ server to authorize the switch's commands
	Log Management: Support local log management Support SYSLOG
	RMON: Support RMON 1, 2, 3 and 9 groups
	Configuration File: Support uploading and downloading configuration file Support TFTP transmission based IPv4 and IPv6
	Upgrade software: Support TFTP transmission and WEB upgrade
	Clock Management: Support local clock management Support SNTP

Package Content

Welcome to order our products. After purchasing, you will receive:

Items	Quantity
Switch	1 pcs
AC power cord	1 pcs
Quick installation guide	1 pcs
Rack-mount kit	1 kit

CE FC RoHS

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