WI-TEK
Communication Solution

We **I**nnovate, **T**ake you **E**xplore un**K**nown!

L2 Managed Fiber Ethernet Switch
WI-PCMS310GF-O

Overview

Wi-Tek Outdoor Cloud Layer 2 Gigabit Managed PoE Switch provides IP65 dust and water resistance and rich L2 functions, such as 802.1Q VLAN, port trunking, QoS, ONVIF IP camera discovery protocol, etc. IP-MAC-Port Binding (IMPB), Functions such as DHCP Snooping and Access Control List (ACL) can prevent broadcast storms, ARP attacks. Quality of Service (QoS, L2 to L4) provides enhanced traffic management capabilities to make your data move more smoothly and faster. Support Wi-Tek cloud management, provide more efficient, simple, safe and easy-to-use remote management, abnormal alarm and other functions, easy for users to manage and maintain, save on-site time, and can be maintained without professional IT operation and maintenance. Suitable for outdoor CCTV and outdoor WLAN environments.

Features

Ip65 dustproof and waterproof Enclosure Design

It adopts a high-weather-resistant shell and provides IP65 dustproof and waterproof capabilities. It can work normally in extreme environments as low as -30°C and as high as 70°C, without fear of wind, sun, rain and snow.

Networking Security

The switch provides IP-MAC-port binding, storm control, and DHCP snooping to protect against broadcast storms, ARP attacks, etc. Additionally, the Access Control List (ACL, L2 to L4) feature restricts access to sensitive information by denying based on source and destination MAC addresses, IP addresses, TCP/UDP ports. Additionally, the switch supports 802.1X authentication, which works with RADIUS/TACACS+ and the server requires some authentication information before allowing access to the network.

Simple deployment

Design with 8 802.3af/at PoE output ports making the IP camera and wireless access point and other PoE-powered devices can be powered up and transmit data by one Ethernet cable which shortens the construction period and cost.

Support Wi-Tek cloud management

ONVIF IP cameras and Wi-Tek cloud management devices can be managed remotely through the Wi-Tek cloud platform/mobile APP, making CCTV network projects truly intelligent and easy to maintain. You can easily access and manage your IP cameras from your mobile phone or computer anytime, anywhere.

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Specifications

Model	WI-PCMS310GF-O
Hardware Specifications	
Interface	8*10/100/1000Mbps RJ45 Ports and 2 Gigabit SFP Slots
Interface Port Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.1x, IEEE 802.1q, IEEE 802.1p, IEEE 802.1d, IEEE 802.1w, IEEE 802.3ad, IEEE802.3af, IEEE802.3at
Power Supply	PoE 802.3 af/at
PoE Ports	8, up to 30W
PoE Power Budget	110W
Power Supply	AC 100-240V 120W
Standby Power Consumption	10W
Switching Capacity	14.88Mpps
Jumbo Frame	9216Bytes
MAC Address Table	8K, Auto-learning, Auto-aging
Fan Quantity	Fanless
Rj45 PoE Power Supply	Mode A 1/2(+)3/6(-)
Dimensions(W x D x H)	300*220*30mm
Net weight/gross weight (kg)	0.97Kg/1.37Kg
Reset Button	Press and hold the reset button until all port indicators are on, indicating that the reset is successful.
LED indicator	PWR: Off: No Power supply; On: The switch is powered on SYS：Blinking: the system works; Off: the system is starting or has no power 1~8 port: Off: The network is not connected. On: A 10/100/1000M network device is connected. Blinking: Data is being transferred. 9~10 port: Off: No device is connected to the corresponding port. On: Indicates the link through that port is successfully established at 1000Mbps. Blink: Indicates that the Switch is actively sending or receiving data over that port.
Protection Level	Surge Protection: Differential mode ±4KV, Common mode ±6KV Electrostatic Standard: Contact ±6KV, Air ±8KV Protection class: IP65
Transmission Method	Store- Forward
Installation	Pole- Mounted
Environment	Operating temperature/humidity: -30°C ~ 70°C; 10%～90% RH no condensation Storage temperature/humidity: -40～+80°C; 5%～95% RH no condensation
Certification	CE, FCC, RoHS ,UKCA
Software Features	
Spanning Tree	IEEE 802.1D -STP
	IEEE 802.1w -RSTP
	IEEE 802.1s -MSTP
	BPDU Guard
	STP Root Guard
	Loop Detection

Software Features		
VLAN	Management VLAN	
	Private VLAN	
	Voice VLAN	
	Monitor VLAN	
	Q-in-Q	
	Protocol-Based VLAN	
	MAC-Based VLAN	
Port	LACP	
	Static	
	EEE	
	Jumbo Frame	
	Error-Disable	
	802.1q-Based VLAN	
	Port mirroring (One-to-One Many-to-One Tx/Rx/Both)	
	Link Aggregation (Up to 8 aggregation groups and up to 8 ports per group)	
Security	Port Isolation	
	IEEE802.1x AAA	
	ACL support L2+/L3/L4 IPv6 ACL	
	Dynamic ARP Protection	
	Broadcast Storm	
	RADIUS/TACACS+	
	RADIUS Authentication (RFC2138)	
	SSH v1.5/v2.0	
	Anti-DDoS Attack	
	DHCP Snooping	
QOS	Ipv4 QoS (QCEs)	
	Ipv6 QoS (QCEs)	
	Priority Algorithm (WRR,Absolute Priority,DSCP & CS)	
	Class of Service (Port-Based,802.1p, CoS, DSCP, IP Priority, TCP/UDP IPv4/IPv6)	
	Bandwidth (Input /Output)	
L2 Multicast	IGMP Snooping v1/v2/v3	
	MLD Snooping v1/v2	
	MVR	
QOS	Ipv4 QoS (QCEs)	
	Ipv6 QoS (QCEs)	
	Priority Algorithm (WRR,Absolute Priority,DSCP & CS)	
	Class of Service (Port-Based,802.1p, CoS, DSCP, IP Priority, TCP/UDP IPv4/IPv6)	
	Bandwidth (Input /Output)	

Software Features		
L2 Multicast	IGMP Snooping V1/V2/V3	
	MLD Snooping	
	MVR	
IPv6	Ipv6/IPv4	
	Ipv6 Web/SSL	
	Ipv6 SNTP	
	Ipv6 Telnet/SSH	
	Ipv6 Ping/Traceroute	
	Ipv6 TFTP	
	Ipv6 RADIUS/TACACS+	
	Ipv6 SNMP	
Management	SNMP (v1, v2c, v3)	
	RMON (1, 2, 3 & 9)	
	Firmware Upgrade	
	Configuration Export/import	
	DHCP Option 82	
	DHCP Option 82	
	System Log Supports Event/Error Log	
	Manage Access Control (Console Port, SNMP, HTTP/HTTPS, Telnet)	
	LLDP (IEEE802.1AB)	
	LLDP-MED	
	UDLD	
	DNS Client	
	Traceroute	
	Ping	
	DDMI	
	NTP/ SNTP (RFC2030)	
Advanced Features	ONVIF (ONVIF Detection, ONVIF Server(NLM)	
	Batch Firmware Upgrading	
	Intelligent Network Monitoring	
	Abnormal Event Warnings	
	Automatic Device Discovery	
	Support Cloud Management	
	Support Remote Management	
	Support Cloud VLAN Configuration	
	Support Topology Display	
	Support Cloud Control Port Configuration	

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
Metal strap	2 pcs

CE FC RoHS

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