

Datasheet

Wi-Tek L3 managed Cloud PoE Switch

WI-PCMS528F-L3 | WI-PCMS554F-L3



Overview

Wi-Tek L3 managed Cloud PoE Switch provide 24/48 Gigabit Ethernet RJ-45 ports and 4/6 10 Gigabit SFP+ slots. All RJ-45 ports comply with 802.3af/at PoE standard and output up to 30W PoE power per port.

Wi-Tek L3 managed Cloud PoE Switch supports diverse management methods such as Web management, CLI and remote cloud management which is a high-efficient way for users to manage the network anywhere and anytime. Besides, they also support intelligent deployment, automatic configuration of networking, abnormal alarms and other functions, bring more convenience to the maintenance personnel. As layer 3 Cloud Switch, it not only supports static routing, RIP, OSPF, but also provides complete security policies, QoS policies, and diversified VLAN functions.

Based on Wi-Tek Cloud Switch's features, it is applied in enterprises, communities, hotels, office networks, and campus networks, which can ensure high-efficient network operation.

Features

High-Bandwidth Interface Design

WI-PCMS528F-L3 provide 4 10GB fibers, which can ensure smooth data delivery for high-bandwidth applications. Based on actual deployment needs, Users can flexibly select 10G fiber or PoE copper. WI-PCMS528F-L3 can render network aggregation of large-sized enterprises, or core deployment of small to medium-sized networks.

Rich L3 features

WI-PCMS528F-L3 support diverse Layer 3 routing protocols such as Static Routing, RIP and OSPF, helping to build scalable and reliable networks.

Network Priority Guarantee

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 Port Priority, 802.1P Priority and DSCP Priority, to ensure that voice and video are always clear and smooth.

Cloud Platform Remote Management

Wi-Tek Cloud Switch not only supports web interface and CLI management, but also supports Wi-Tek Cloud platform remote management. Users can view the network status, modify the configuration and troubleshoot anytime and anywhere.

Specifications



Model	WI-PCMS528F-L3	WI-PCMS554F-L3
Hardware Specifications		
Interfaces		
Downlink Ports	24*10/100/1000Mbps RJ45 Ports	48*10/100/1000Mbps RJ45 Ports
Uplink Ports	4* 10Gbps SFP+ Slots	6* 10Gbps SFP+ Slots
Management port	1*Console Port	
PoE		
PoE Port	Port 1–24: 802.3 af/at PoE ports	Port 1–48: 802.3 af/at PoE ports
PoE Standard	802.3af/at	
PoE Power Supply Type	End-span	
PoE Pin Assignment	1/2(-), 3/6(+)	1/2(+), 3/6(-)
PoE Power	30 W max for each port, 370 W Max. (PoE power budget)	30 W max for each port, 370 W Max. (PoE power budget)
Performance		
CPU	MIPS 800MHz	
Memory and Flash	DRAM 512MB Flash 32MB	
Switch Property		
Standards and Protocols	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x, IEEE802.1x, IEEE802.1q, IEEE802.1p, IEEE802.1d, IEEE802.1w, IEEE802.3ad, IEEE802.3af, IEEE802.3at	
Forwarding Mode	Store and Forward	
Switching Capacity	128 Gbps	216 Gbps
Packet Forwarding Rate	96 Mpps	161 Mpps
MAC Address Table	16 k	
Packet Buffer Memory	12 MB	
Jumbo Frame	12 kB	
Power Supply		
Input Power	AC 100–240V, 50/60Hz	
Power Consumption	Idle: 20.4 W 100% Traffic Rate with PoE: 391W	Idle: 43.5W 100% Traffic Rate with PoE: 413.5W



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Physical Characteristics			
LED Indicators	PWR (Green):	On: the device power on is normal Off: the device is power off or failed	
	Sys Indicator:	Off:The system is being started or abnormal Blinking:The system is working normally	
	Link Indicator:	Off: No device is connected to the corresponding port. On: Indicates the link through that port is successfully established Blinking: Indicates that the Switch is actively sending or receiving data over that port.	
	PoE Indicator:	Off: No PoE powered device (PD) connected. On: There is a PoE PD connected to be port, which supply power successfully. Blinking: Indicates the port is abnormal.	
Buttons	Reset:Reset: Hold for >5 sec. to restore factory default.		
Fan Quantity	2	5	
Dimensions (W*D*H)	440*207*44mm	440*330*44mm	
Weight	Net Weight:3.67 kg	Net Weight:5.6 kg	
	Package Weight: 4.26 kg	Package Weight: 6.53kg	
Installation	Desktop, rack-mounted		
Reliability	Surge Immunity: Differential mode ±2KV Common mode ±4KV ESD Protection: Contact discharge ±6KV Air discharge ±8KV		
Operating Temperature	0–40 °C		
Operating Humidity	–40– 70 °C		
Storage Temperature	10– 90% RH non-condensing		
Storage Humidity	5– 90% RH non-condensing		
Certification			
Certification	CE, FCC, RoHS, UKCA, RCM		



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Software Features		
System Config	Device Info	
	IP Config	Static IP
		Dynamic
	Web Config	Web Timeout
		HTTP
		HTTPS
		Security IP
	User Management	User Management
		Authentication Method
	Firmware Upgrade	TFTP Service
		FTP Service
		HTTP Upgrade
	IPV4 ACL / IPV6ACL	TFTP
		HTTP
	NTP	
	User Priority	
Device Management	Device Reboot/Reset	
	Device Utilization	
	View System Config	
	View Logging Buffer	
SSH Config		
Telnet Config		
Port Statistics		
DDMI Status		
Ping		
Traceroute		
Cable Diagnostics		



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Software Features				
Monitor Management	SNMP Config	Global Config	Global Config	
		User Config	User Config	
		Group Config	Group Config	
		Community Config	Community Config	
		View Config	View Config	
		Security IP Config	Security IP Config	
	SNMP Statistics	SNMP Statistics		
	Onvif Config	Server Config	Server Config	
		Detect Config	Detect Config	
	Loopback Detection	Port Mode	Port Mode	
		VLAN Loopback	VLAN Loopback	
	MQTT Configure	Enable	Enable	
		Disable	Disable	
		Discovery Configure	Discovery Configure	
	LLDP Config	Global Config	Global Config	
Port Config		Port Config		
TLV Config		TLV Config		
Neighbor Info		Neighbor Info		
Switch Config	Port Config	Port Config	Port Config	
		Port 10G Mode	Port 10G Mode	
	Port Mirror	Port Mirror	Port Mirror	
	Port Isolate	Port Isolate	Port Isolate	
	Port Channel	Jumbo Frame	Jumbo Frame	
		Port Rate	Port Rate	
		Storm Control	Storm Control	
	MAC Address Config	Static MAC	Static MAC	
		Black Hole MAC	Black Hole MAC	
		Aging-time	Aging-time	
MAC Address List		MAC Address List		



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Software Features			
VLAN Config	VLAN Config	VLAN ID	
		Show VLAN	
		Port Config	
	GVRP Config	GVRP Config	
		GVRP Port	
	QINQ	Enable Dot1q Tunnel	
Dot1q Tunnel TPID			
Protocol VLAN			
PoE Config	PoE Global Config		
	PoE Port Config		
	PD Alive		
	POE Schedule		
DHCP Config	DHCP Server	Global Config	
		Create Address Pool	
		Dynamic Poo	
		Default Gateway	
		DNS Server	
		Excluded Address	
		Packet Statistics	
		Client List	
	DHCP Snooping	Global Config	
		VLAN Config	
		Static User Binding	
		Helper-server Config	
		Port Binding	
		Trust Port	
Time Range Config			
ACL Config	IP ACL	IP Standard ACL	
		IP Extended ACL(ICMP)	
		IGMP	
		TCP	



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Software Features				
ACL Config	IP ACL	EIGRP		
		GRE		
		IGRP		
		IPINIP		
		OSPF		
		IP		
		Specified Protocol		
	MAC ACL	MAC Standard ACL		
		MAC Extended ACL		
	MAC-IP Extended ACL			
ACL Binding	Binding Port			
	Binding Vlan			
Ring Network	Spanning-tree	Global Properties		
		Instance Mapping		
		Instance Properties		
		Port Config		
		Port Instance		
		Status		
	ERPS	ERPS Ring Config		
		ERPS Instance Config		
		View ERPS Statistics		
Route Config	Static Route			
	RIP Route	Basic Config		
		Static Router Port		
		VLAN Config		
		Querier Config		
		Multicast Table		
	OSPF Route	Basic Config		
		Static Router Port		
		VLAN Config		
		Querier Config		
		Multicast Table		
	Routing Table			



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Software Features		
Multicast Manage	IGMP Snooping Config	Basic Config
		Static Router Port
		VLAN Config
		Querier Config
		Multicast Table
	MLD Snooping Config	Basic Config
		Static Router Port
		VLAN Config
		Querier Config
		Multicast Table
QoS Config	Port Config	Trust Config
		Weight Config
		CoS-To-IntP Map
		DSCP-To-IntP Map
		Policy Config
	Class-Map Config	Class-Map Config
		Class-Map Rule Config
	Policy-Map Config	Policy Name Config
Policy Class Config		
IPv6 Related Function	IPv6 Basic	IPv6 ND Snooping
	DHCPv6	DHCPv6 Server
		DHCPv6 Relay
		DHCPv6 Snooping
		IPv6 SAVI
	IPv6 Unicast Routing	Static Route
	Ipv6 Multicast Routing	MLD v1/V2 Snooping

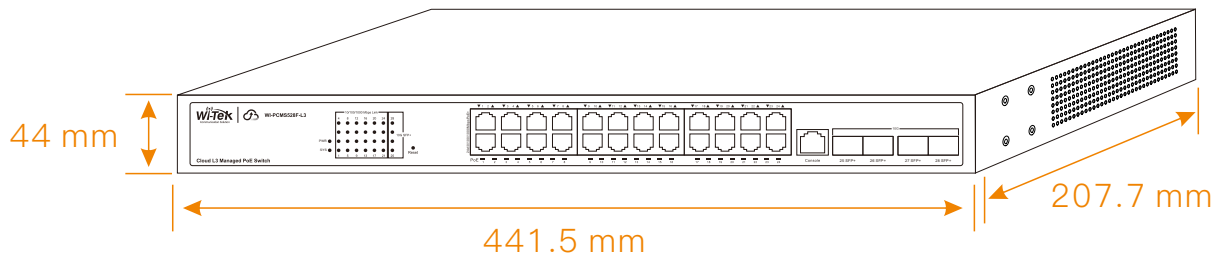


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Software Features				
IPv6 Related Function	IPv6 Features	SNMP over IPv6 Support		
		HTTP over IPv6 Support		
		SSH over IPv6 Support		
		DNS over IPv6 Support		
		IPv6 ping/traceroute Support		
		IPv6 Telnet Support		
		IPv6 Radius+ Support		
		IPv6 Tacacs+ Support		
		IPv6 SNTP/NTP Support		
		IPv6 FTP/TFTP Support		
		IPv6 IPsec Support		
		IPv6 ACL		

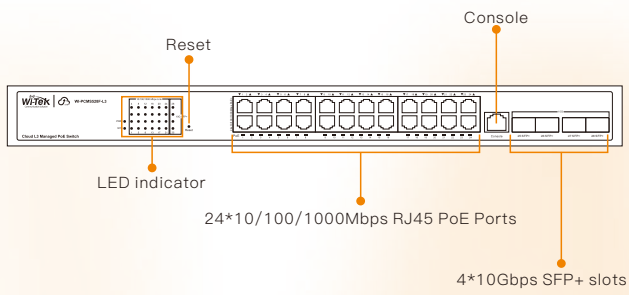
Appearances and Dimensions

WI-PCMS528F-L3

Dimensions (mm)



Front Panel

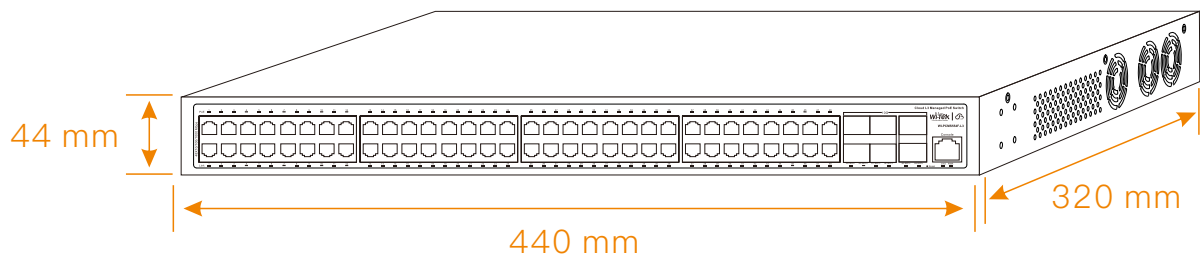


Side Panel

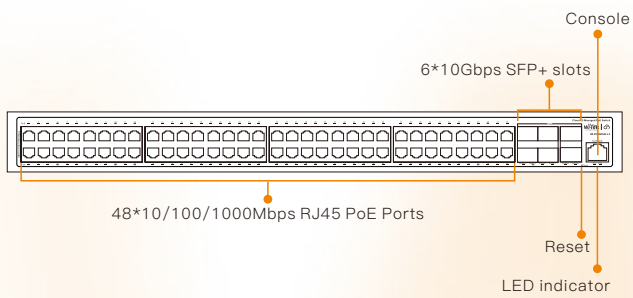


WI-PCMS554F-L3

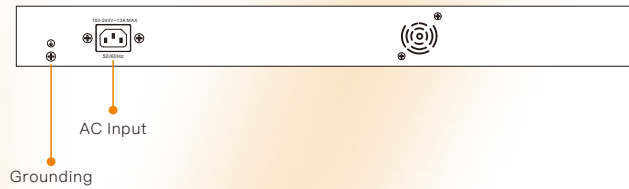
Dimensions (mm)



Front Panel



Side Panel



Package Contents

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

Items	Quantity
Switch (all)	1 pcs
AC Power Cord (all)	1 pcs
Wall Mount kit (WI-PS305G WI-PS308G WI-PS305GF WI-PS318GF)	1 pcs
Rack mount kit (WI-PS310GF WI-PS318GF WI-PS320GF WI-PS326GF WI-PS328GF WI-PS348G)	1 pcs
Quick Installation Guide (all)	1 pcs



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Technical Support



Cloud Management



Company Website