

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	-10℃-50℃ （14°F-122°F）		
Operating Humidity	-40℃- 70 ℃ （-40°F-158°F）		
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	ACL	
		User Management	
	Firmware Upgrade	Authentication Method	
		TFTP Service	
		FTP Service	
	IPV4 ACL / IPV6ACL	HTTP Upgrade	
		TFTP	
	HTTP		
	NTP		
User Priority			
Device Management	Device Reboot/Reset		
	Device Utilization		
	View System Config		
	View Logging Buffer		
	View Logging Flash		
Monitor Management	SSH Config		
	Telnet Config		
	Port Statistics		
	DDMI Status		
	Ping		
	Traceroute		
	Cable Diagnostics		



Model	WI-PCMS528F-L3		WI-PCMS554F-L3	
Software Features				
Monitor Management	SNMP Config	Global Config		
		User Config		
		Group Config		
		Community Config		
		View Config		
		Security IP Config		
		SNMP Statistics		
	Onvif Config	Server Config		
		Detect Config		
	Loopback Detection	Port Mode		
		VLAN Loopback		
	MQTT Configure	Enable		
		Disable		
		Discovery Configure		
	LLDP Config	Global Config		
		Port Config		
		TLV Config		
		Neighbor Info		
Switch Config	Port Config	Port Config		
		Port 10G Mode		
	Port Mirror			
	Port Isolate			
	Port Channel	Jumbo Frame		
		Port Rate		
		Storm Control		
	MAC Address Config	Static MAC		
		Black Hole MAC		
		Aging-time		
MAC Address List				



Model	WI-PCMS528F-L3		WI-PCMS554F-L3
Software Features			
VLAN Config	VLAN Config	VLAN ID	
		Show VLAN	
		Port Config	
	GVRP Config	GVRP Config	
		GVRP Port	
	QINQ	Enable Dot1q Tunnel	
		Dot1g 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	
ACL Config	Time Range 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				

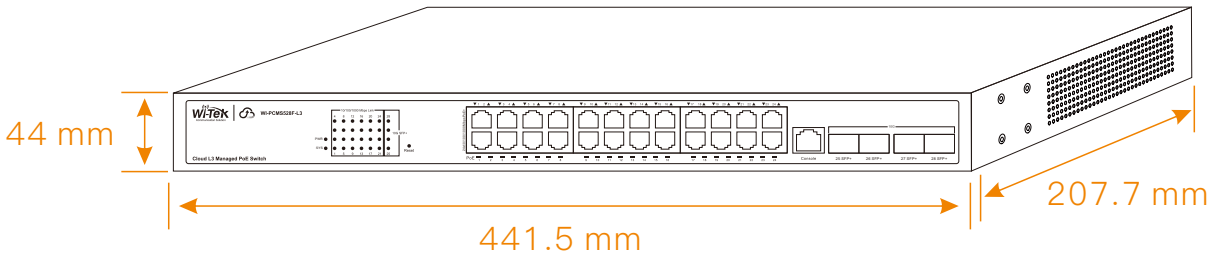
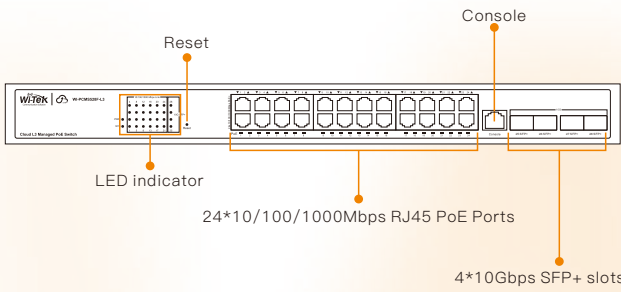
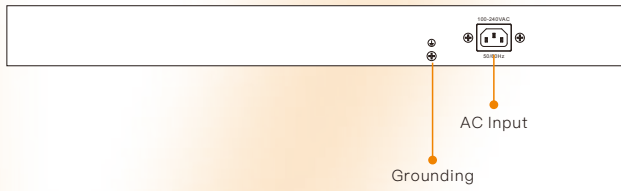


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Software Features				
Multicast Manage	IGMP Snooping Config	Basic Config		
		Static Router Port		
		VLAN Config		
		Querier Config		
		Multicast Table		
	MLD Snooping Config	Basic Config		
		Static Router Port		
		VLAN Config		
		Querier Config		
		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		
		Security RA		
	IPv6 Unicast Routing	Static Route		
	Ipv6 Multicast Routing	MLD v1/V2 Snooping		



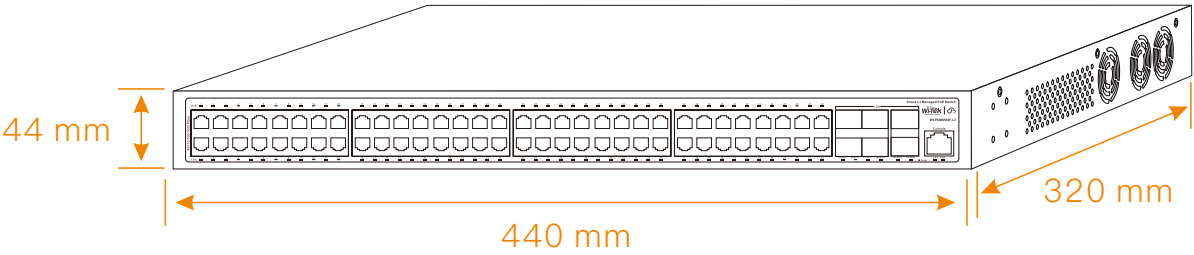
Model		WI-PCMS528F-L3	WI-PCMS554F-L3
Software Features			
IPv6 Related Function	IPv6 Features	SNMP over IPv6 Support	
		HTTP over IPv6 Support	
		SSH over IPv6 Support	
		DNS over IPv6 Support	
		IPv6 ping/traceroute Support	
		IPv6 Telnet Support	
		IPv6 Radius+ Support	
		IPv6 Tacacs+ Support	
		IPv6 SNTP/NTP Support	
		IPv6 FTP/TFTP Support	
		IPv6 IPSec Support	
		IPv6 ACL	

Appearances and Dimensions

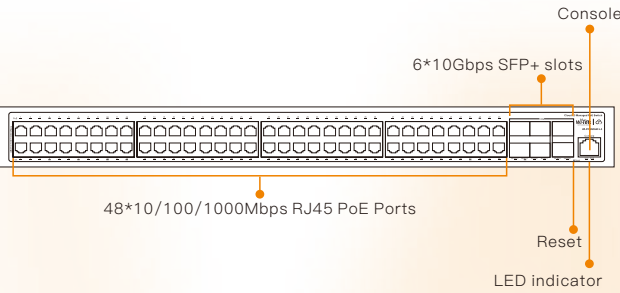
WI-PCMS528F-L3	
Dimensions (mm)	
	
Front Panel	Side Panel
	

WI-PCMS554F-L3

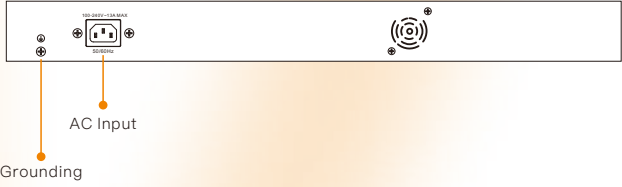
Dimensions (mm)



Front Panel



Side Panel



Package Contents

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

Items	Quantity
Cloud L3 Managed PoE Switch	1 pcs
Quick Installation Guide	1 pcs
Serial line	1 pcs
Power Cord	1 pcs
Mounting Accessories	Hooks x 2, MATS x 4, Screws x 8



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Technical Support



Cloud Management



Company Website