

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	<p>PWR (Green): On: the device power on is normal Off: the device is power off or failed</p> <p>Sys Indicator: Off: The system is being started or abnormal Blinking: The system is working normally</p> <p>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.</p> <p>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.</p>	
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 Package Weight: 4.26 kg	Net Weight: 5.6 kg Package Weight: 6.53kg
Installation	Desktop, rack-mounted	
Reliability	<p>Surge Immunity: Differential mode ±2KV Common mode ±4KV ESD Protection: Contact discharge ±6KV Air discharge ±8KV</p>	
Operating Temperature	-10°C-50°C (14°F-122°F)	
Operating Humidity	-40°C- 70 °C (-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	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			
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			



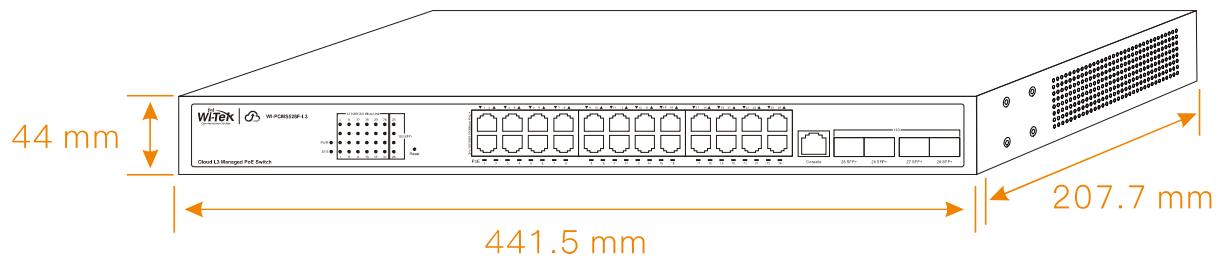
Model	WI-PCMS528F-L3		WI-PCMS554F-L3	
Software Features				
IPv6 Related Function	IPv6 Features	SNMP over IPv6 Support		
		HTTP over IPv6 Support		
		SSH over IPv6 Support		
		DNS over IPv6 Support		
		IPv6 ping/traceroute Support		
		IPv6 Telnet Support		
		IPv6 Radius+ Support		
		IPv6 Tacacs+ Support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



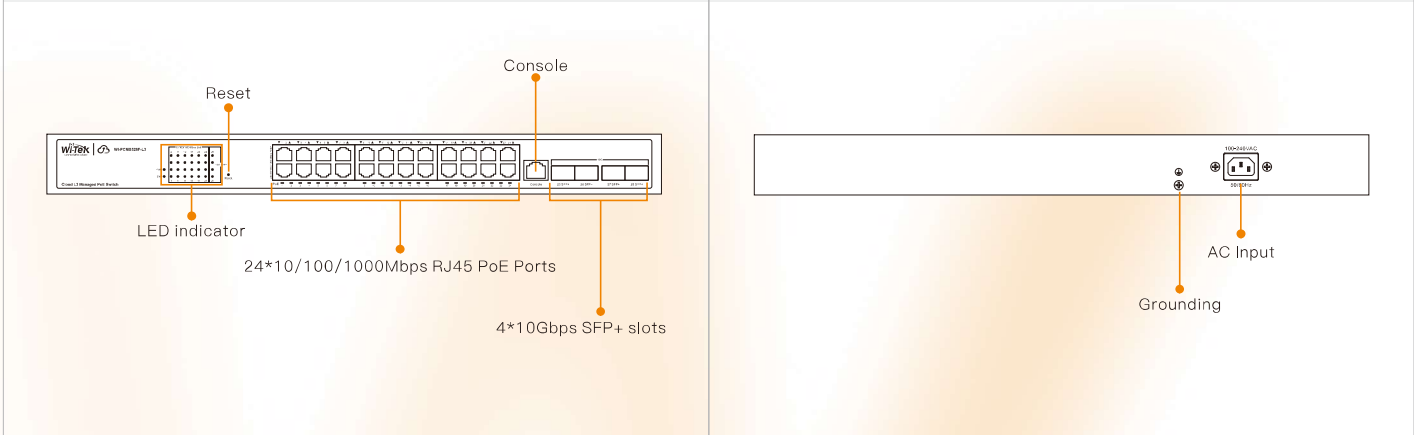
Appearances and Dimensions

WI-PCMS528F-L3

Dimensions (mm)

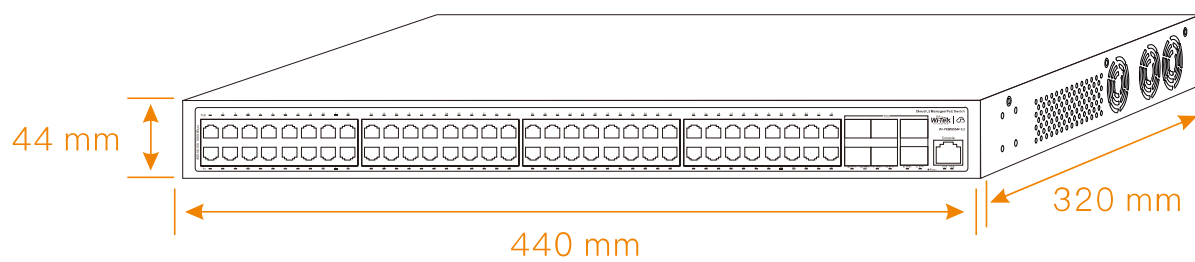


Front Panel Side Panel

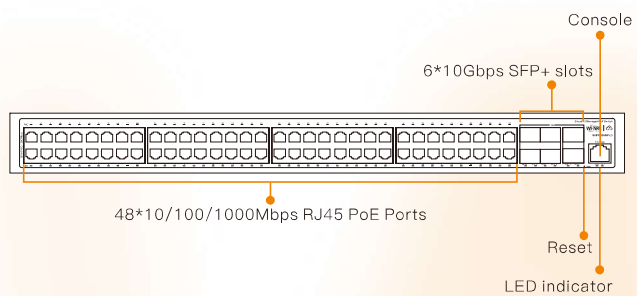


WI-PCMS554F-L3

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