

Datasheet

250 meters Long-Range PoE Switch for CCTV

WI-PS205 | WI-PS210 | WI-PS210G

Hardware Version 3.0



Overview

Complied with 802.af/at/bt(Hi-PoE), Wi-Tek Long-Distance PoE Switch provide 4/8 10/100Mbps PoE RJ-45 ports, 2 100/1000Mbps Uplink Ports , which can meet flexibly the demand of different PoE Input in different application scenarios. In addition, Wi-Tek Long-Distance PoE Switch can extend the data transmission distance to 250m, breaking the distance limit and improving the device availability. At the same time, Wi-Tek Long-Distance PoE Switch provide valuable features such as extend mode, PoE Watchdog, Port isolation, creating reliable network to grow your business.

Features

PoE 250m Long Distance to Extend Network

DIP switch provides Extend Mode. All PoE ports can transmit data and power up to 250 meters. No more hardware or configuration is necessary, easy-to-use and cost-saving. Perfect for surveillance camera deployment in large areas.

Hi-PoE 60W Design for Higher Power PoE Devices

High-PoE switch is the upgraded version of PoE switch with higher PoE power. There are many emerging applications that take advantage of high-power PoE, such as building infrastructure with LED display, PTZ IP cameras, and other high power consumption devices.

Smart PoE Watchdog to Reboot Camera Automatically

Watchdog is able to monitor status of camera in real-time. Once the camera stops working and does not respond to the switch, the switch will reboot the camera, making surveillance management easier.

Port Isolation to Prevent Broadcast Storm

With VLAN Mode, all PoE ports only can communicate with uplink ports. Avoid data leakage between each port and prevent broadcast storm from disabling network.

Specifications



Model	WI-PS205	WI-PS210	WI-PS210G
Hardware Specifications			
Hardware Version	V3	V3	V3
Interfaces			
Downlink Ports	4 10/100Mbps RJ45 PoE Ports	8 10/100Mbps RJ45 PoE Ports	8 10/100Mbps RJ45 PoE Ports
Uplink Ports	2 10/100Mbps Uplink Ports	2 10/100Mbps Uplink Ports	2 100/1000Mbps Uplink Ports
PoE			
PoE Port	Port 1–4	Port 1– 8	
PoE Standard	Port 1: 802.3bt 60W Port 2–4: 802.3af/at 30W	Port 1: 802.3bt 60W Port 2–8: 802.3af/at 30W	Port 1: 802.3bt 60W Port 2–8: 802.3af/at 30W
PoE Power Supply Type	Mid-span and End-span		
PoE Pin Assignment	1/2(+), 3/6(-) or 4/5(+), 7/8(-)		
PoE Power	60 W max for port 1, 30W max for port 2–4, 60 W Max. (PoE power budget)	60 W max for port 1, 30W max for port 2–8, 110 W Max. (PoE power budget)	
Switch Property			
Standards and Protocols	IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.3ab (Gigabit Ethernet) IEEE 802.3af (Power over Ethernet) IEEE 802.3at (Power over Ethernet Plus) IEEE 802.3bt (Power over Ethernet Type 3)		
Forwarding Mode	Store and Forward		
Switching Capacity	1.2Gbps	2Gbps	5.6Gbps
Packet Forwarding Rate	0.89Mpps	1.49Mpps	4.17Mpps
MAC Address Table	2k		
Packet Buffer Memory	448Kbit		
Jumbo Frame	2048bytes		9216bytes
Power Supply			
Input Power	AC 100–240V, 50/60Hz 65 W	AC 100–240V, 50/60Hz 120 W	
Power Consumption	Idle: 5 W 100% Traffic Rate with PoE: 65 W	Idle: 10W 100% Traffic Rate with PoE: 120 W	

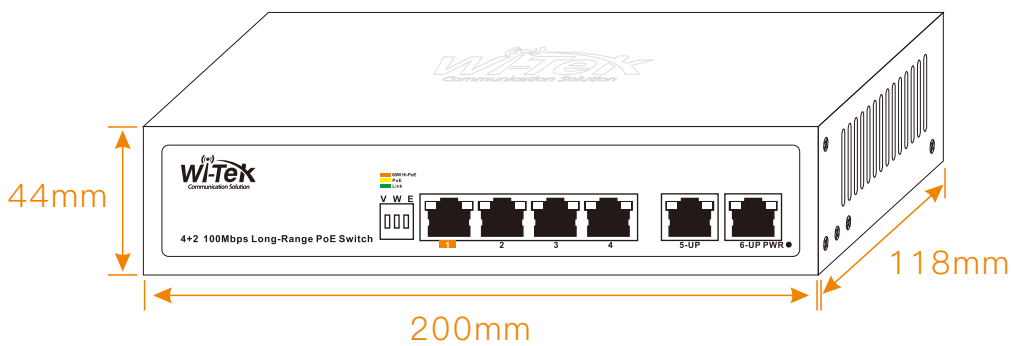


Model	WI-PS205	WI-PS210	WI-PS210G
Physical Characteristics			
LED Indicators	<p>PWR Solid on: The device power on is normal Off: The device is power off or failed</p> <p>PoE On: PoE is working Off: PoE not working</p> <p>Link On: Data on TX/RX Off: Ports link down</p>		
Buttons	<p>Independently controlled DIP switch V(VLAN): All PoE Port isolated each other W(PoE Watchdog): PoE Watchdog Enable E(Extend): PoE Extend mode, Transmission Distance 250 meters</p>		
Fan Quantity	Fanless		
Switch Dimensions	200x118x44 mm	200x118x44 mm	200x118x44 mm
Package Dimensions	245x190x60mm	245x190x60mm	245x190x60mm
Weight	Net Weight: 0.60 kg	Net Weight: 0.76 kg	Net Weight: 0.76 kg
	Package Weight:0.95 kg	Package Weight: 1.06kg	Package Weight: 1.09kg
Installation	Wall-mount, desktop		
Environmental			
Reliability	Surge Immunity	IEC 61000-4-5 Common mode 4kV Differential mode 2kV	
	ESD Protection	IEC 61000-4-2 Contact discharge 8kV Air discharge 15 kV	
Operating Temperature	-10°C-50°C (14°F-122°F)		
Storage Temperature	-40°C-70°C (-40°F-158°F)		
Operating Humidity	10-90% RH non-condensing		
Storage Humidity	5-95% RH non-condensing		
Certification			
Certification	CE, FCC, RoHS, UKCA, RCM		

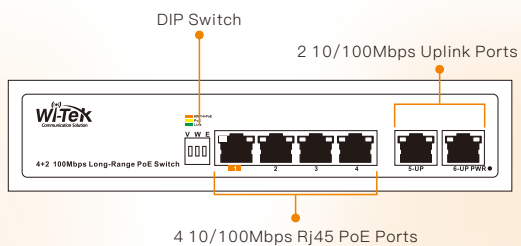
Appearances and Dimensions

WI-PS205

Dimensions (mm)



Front Panel

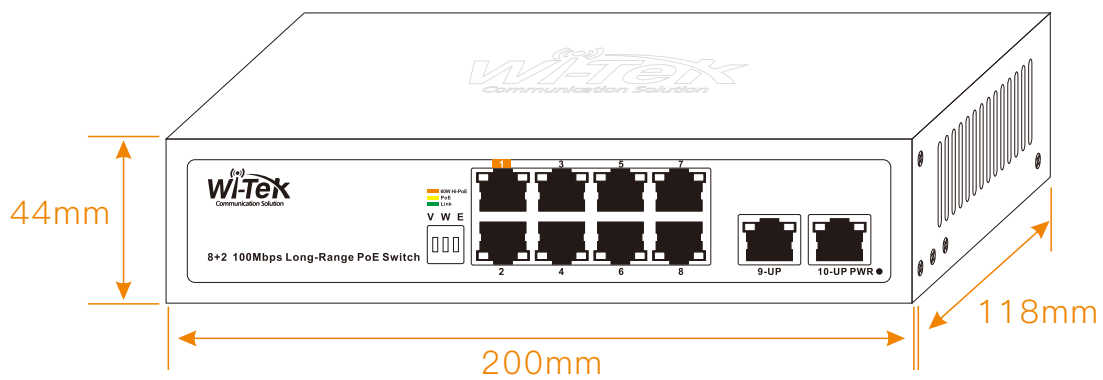


Rear Panel

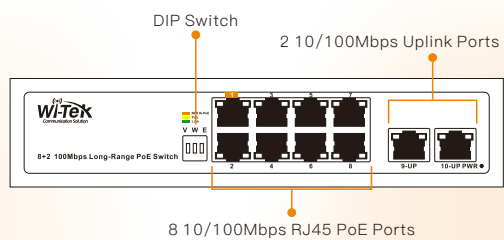


WI-PS210

Dimensions (mm)



Front Panel

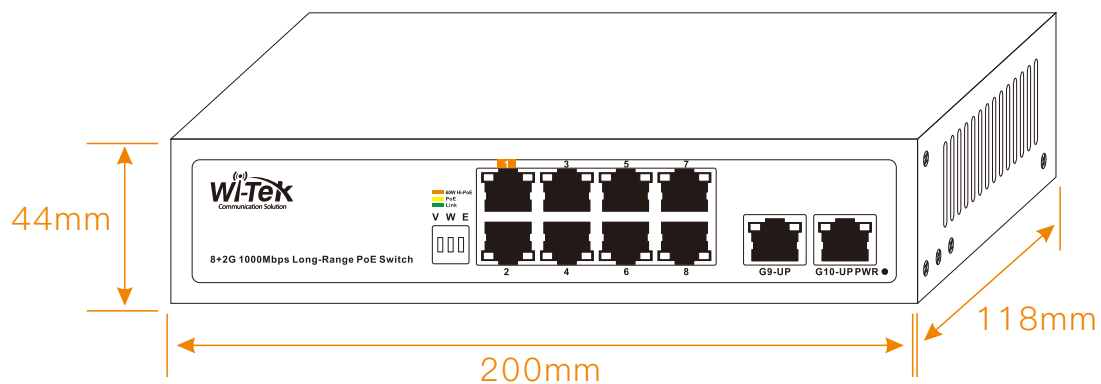


Rear Panel

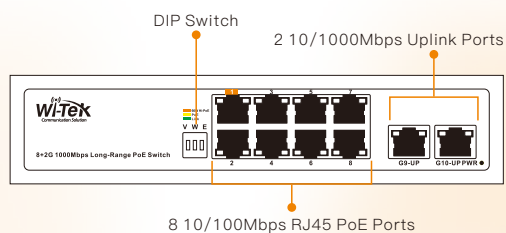


WI-PS210G

Dimensions (mm)



Front Panel



Rear Panel



Package Contents

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

Items	Quantity
Switch	1 pcs
Power Cord	1 pcs
Quick Installation Guide	1 pcs



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Technical Support



Cloud Management



Company Website