Datasheet

Economic 802.3af/at PoE Switch

WI-PS205H | WI-PS210H | WI-PS518GH | WI-PS526GH
WI-PS305GH | WI-PS308GH | WI-PS309GFH
WI-PS318GFH | WI-PS326GFH



Overview

Wi-Tek's Economic 802.3af/at PoE Switch Series offers a choice of 4/8/16/24 ports, available in both 100Mbps and 1000Mbps speeds. Break free from PoE distance limitations! Wi-Tek provides a cost-effective PoE solution, empowering your CCTV, Access Point, and other IP-based devices up to 250m away. Most robust features like Extend Mode, PoE Watchdog Function, Port Isolation, provide a lot of value for basic networking needs, creating a versatile and reliable surveillance 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 further hardware or configuration is necessary, easy-to-use and cost-saving. Perfect for surveillance camera deployment in large areas.

Smart PoE Watchdog to Reboot Camera Automatically

All PoE ports enable PoE watchdog function, which can detect and reboot the offline compliant PoE powered devices.

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.

Double Uplink to Eliminate the Bandwidth Limit

Uplink ports superficially resembles any other normal port on a switch or hub. Additionally, connecting the uplink port on one switch to the normal port on another switch cab helps expand the size of the network.

DIP – Data Optimization

Default: The transmission distance of PoE port can be up to 100m with 100Mbps.
VLAN: Enable isolation between all downstream ports, while maintaining data communication with the upstream port, effectively preventing broadcast storms.
Extend: Extend the power supply and network transmission distance of PoE ports from the standard 100m to an impressive 250m, though with a reduced port rate of 10Mbps. Elevate your networking experience with enhanced flexibility and efficiency.
CCTV: Extend your network up to 250 meters long distance with VLAN function.

Specifications






Model	WI-PS205H	WI-PS210H	WI-PS518GH	WI-PS526GH
Hardware Specifications				
Hardware Version	V3	V3	V1	V1
Interfaces				
Downlink Ports	4 * 100Mbps RJ45 PoE Ports	8 * 100Mbps RJ45 PoE Ports	16 * 100Mbps RJ45 PoE Ports	24 * 100Mbps RJ45 PoE Ports
Uplink Ports	2 * 100Mbps RJ45 Ports	2 * 100Mbps RJ45 Ports	1 * 1000Mbps RJ45 Port 1 * 1000Mbps Combo Port	1 * 1000Mbps RJ45 Port 1 * 1000Mbps Combo Port
PoE				
PoE Port	Port 1– 4	Port 1– 8	Port 1– 16	Port 1– 24
PoE Standard	802.3 af/at			
PoE Pin Assignment	1/2(+), 3/6(–)			
PoE Power	30W Max. for each port, 40W Max. for PoE power budget	30W Max. for each port, 60W Max. for PoE power budget	30W Max. for each port, 185W Max. for PoE power budget	30W Max. for each port, 185W Max. for PoE power budget
Switch Property				
Standards and Protocols	IEEE 802.3, IEEE 802.3u, and IEEE 802.3x		IEEE 802.3, IEEE 802.3u, and IEEE 802.3x, IEEE 802.3z	
Forwarding Mode	Store and Forward			
Switching Capacity	1.2 Gbps	2 Gbps	7.2 Gbps	8.8 Gbps
Packet Forwarding Rate	0.89Mpps	1.49Mpps	5.36Mpps	6.55Mpps
MAC Address Table	1k	1k	8k	8k
Packet Buffer Memory	448 K bit		4M bit	
Jumbo Frame	1536Bytes		10 kB	
Power Supply				
Input Power	100–240 V AC 50/60 Hz 1.5A max	100–240 V AC 50/60 Hz 2.5A max	100–240 V AC 50/60 Hz 5A max	100–240 V AC 50/60 Hz 5A max
Power Consumption	Idle: 5W 100% Traffic Rate with PoE: 45 W	Idle: 5 W 100% Traffic Rate with PoE: 65 W	Idle: 15 W 100% Traffic Rate with PoE: 200 W	Idle: 15 W 100% Traffic Rate with PoE: 200 W






Model	WI-PS205H	WI-PS210H	WI-PS518GH	WI-PS526GH
Physical Characteristics				
LED Indicators	**Power** On: The device power on is normal Off: The device is power off or failed **PoE** On: PoE is working Off: PoE is not working **DATA** On: Port connected Blinking: Data transmission Off: Port disconnected	**PWR** On: The device power on is normal Off: The device is power off or failed **PoE** On: PoE is working Off: PoE is not working **DATA** On: Port connected Blinking: Data transmission Off: Port disconnected	**PWR** On: The device power on is normal Off: The device is power off or failed **PoE** On: PoE is working Off: PoE not working **DATA** Blinking: Data transmission is active and working **PoE Max** When total PoE output power > Power Budget * 80%, the LED light will be on **LNK/ACT** On: Data on TX/RX Off: Ports link down 18T On: Port 18 link up Off: Port 18 link down **17T/17S** On: Port 17T/17S link up Off: Port 17T/17S link down	**PWR** On: The device power on is normal Off: The device is power off or failed **PoE** On: PoE is working Off: PoE not working **DATA** Blinking: Data transmission is active and working **PoE Max** When total PoE output power > Power Budget * 80%, the LED light will be on **LNK/ACT** On: Data on TX/RX Off: Ports link down **25T** On: Port 25 link up Off: Port 25 link down **26T/26S** On: Port 26T/26S link up Off: Port 26T/26S link down
Fan Quantity	Fanless		1	
Dimensions (W*D*H)	140x76x27 mm	168x94x32 mm	281x188x44 mm	
Package Dimensions (W*D*H)	194x160x48 mm		380x235x80 mm	
Weight	Net Weight: 0.31 kg	Net Weight: 0.47 kg	Net Weight: 1.75 kg	Net Weight: 1.82 kg
	Package Weight: 0.59 kg	Package Weight: 0.75 kg	Package Weight: 2.37 kg	Package Weight: 2.45 kg
Installation	Desktop		Desktop、Rack-mount	
Button				
DIP Switch	Default/CCTV (CCTV=250m Extend mode + VLAN mode)	Default/CCTV (CCTV=250m Extend mode + VLAN mode)	Default/VLAN/CCTV (CCTV=250m Extend mode + VLAN mode)	






Model		WI-PS205H	WI-PS210H	WI-PS518GH	WI-PS526GH
Environmental					
Reliability	Surge Immunity	IEC 61000-4-5 Common mode ±4kV Differential mode ±2kV			
	ESD Protection	IEC 61000-4-2 Contact discharge ±6kV Air discharge ± 8kV			
Operating Temperature		-10℃ to 55℃(14℉ to 131℉)			
Operating Humidity		10%~90% RH no condensation			
Storage Temperature		-40℃ to 70℃(-40℉ to 158℉)			
Storage Humidity		5%~90% RH no condensation			
Others					
Certification		CE, FCC, RoHS, UKCA, RCM			







Model	WI-PS305GH	WI-PS308GH	WI-PS309GFH	WI-PS318GFH	WI-PS326GFH
Hardware Specifications					
Hardware Version	V2	V2	V1	V1	V1
Interfaces					
Downlink Ports	4 1000Mbps RJ45 PoE Ports	8 1000Mbps RJ45 PoE Ports	8 1000Mbps RJ45 PoE Ports	16 1000Mbps RJ45 PoE Ports	24 1000Mbps RJ45 PoE Ports
Uplink Ports	1 1000Mbps RJ45 Port	2 1000Mbps RJ45 Ports	1 1000Mbps RJ45 Ports 1 1000Mbps SFP Port	2 1000Mbps Combo Ports	2 1000Mbps SFP Slots
PoE					
PoE Port	Port 1– 4	Port 1– 8	Port 1– 8	Port 1– 16	Port 1– 24
PoE Standard	802.3 af/at				
PoE Pin Assignment	1/2(+), 3/6(–)				
PoE Power	30W Max. for each port, 60W Max. for PoE power budget	30W Max. for each port, 60W Max. for PoE power budget	30W Max. for each port, 60W Max. for PoE power budget	30W Max. for each port, 185W Max. for PoE power budget	30W Max. for each port, 250W Max. for PoE power budget
Switch Property					
Standards and Protocols	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, and IEEE 802.3z				
Forwarding Mode	Store and Forward				
Switching Capacity	10 Gbps	20 Gbps	20 Gbps	36 Gbps	52 Gbps
Packet Forwarding Rate	7.44 Mpps	14.88 Mpps	14.88 Mpps	26.78 Mpps	38.69 Mpps
MAC Address Table	2k	4k			8k
Packet Buffer Memory	1 Mbit	2 Mbit	1.5 Mbit	4.1 Mbit	4.1 Mbit
Jumbo Frame	16 kB	10 kB			
Power Supply					
Input Power	100–240 V AC 50/60 Hz 1.5A max			100–240 V AC 50/60 Hz 5A max	100–240 V AC 50/60 Hz 5A max
Power Consumption	Idle: 5 W 100% Traffic Rate with PoE: 45 W	Idle: 5 W 100% Traffic Rate with PoE: 65 W	Idle: 5 W 100% Traffic Rate with PoE: 65 W	Idle: 15 W 100% Traffic Rate with PoE: 200 W	Idle: 30 W 100% Traffic Rate with PoE: 280 W





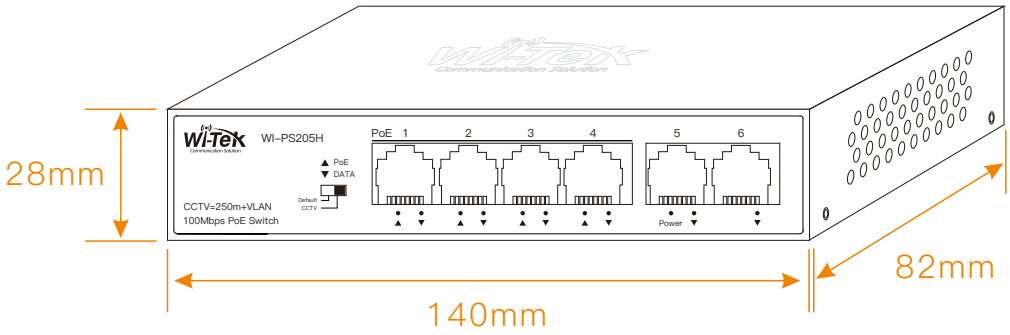


Model	WI-PS305GH	WI-PS308GH	WI-PS309GFH	WI-PS318GFH	WI-PS326GFH
Physical Characteristics					
LED Indicators	**Power** On: The device power on is normal Off: The device is power off or failed **PoE** On: PoE is working Off: PoE not working **DATA** Blinking: Data transmission is active and working **LNK/ACT** On: Data on TX/RX Off: Ports link down	**PWR** On: The device power on is normal Off: The device is power off or failed **PoE** On: PoE is working Off: PoE not working **DATA** Blinking: Data transmission is active and working **LNK/ACT** On: Data on TX/RX Off: Ports link down	**Power** On: The device power on is normal Off: The device is power off or failed **PoE** On: PoE is working Off: PoE not working **DATA** Blinking: Data transmission is active and working **LNK/ACT** On: Data on TX/RX Off: Ports link down	**PWR** On: The device power on is normal Off: The device is power off or failed **PoE** On: PoE is working Off: PoE not working **DATA** Blinking: Data transmission is active and working **PoE Max** When total PoE output power > Power Budget * 80%, the LED light will be ON **LNK/ACT** On: Data on TX/RX Off: Ports link down	**PWR** On: The device power on is normal Off: The device is power off or failed **PoE** On: PoE is working Off: PoE not working **DATA** Blinking: Data transmission is active and working **PoE Max** When total PoE output power > Power Budget * 80%, the LED light will be ON **LNK/ACT** On: Data on TX/RX Off: Ports link down
Fan Quantity	Fanless			1	2
Dimensions (W*D*H)	140x82x28 mm	168x99x33 mm	168x99x33 mm	281x185x44 mm	442x213x44 mm
Package Dimensions (W*D*H)	192x165x60 mm			370x230x80 mm	499x348x90 mm
Weight	Net Weight: 0.36 kg Package Weight: 0.64 kg	Net Weight: 0.52 kg Package Weight: 0.81 kg	Net Weight: 0.51 kg Package Weight: 0.82 kg	Net Weight: 1.84 kg Package Weight: 2.48 kg	Net Weight: 2.47 kg Package Weight: 3.27 kg
Installation	Desktop			Desktop、Rack-mount	
Button					
DIP Switch	Default/CCTV(CCTV=250m Extend mode + VLAN mode)				
Environmental					
Reliability – Surge Immunity	EC 61000-4-5 Common mode ±6kV Differential mode ±2kV	EC 61000-4-5 Common mode ±4kV Differential mode ±2kV			
Reliability – ESD Protection	IEC 61000-4-2 Contact discharge ±6kV Air discharge ± 8kV				
Operating Temperature	-10℃ to 55℃(14℉ to 131℉)				
Operating Humidity	10%~90% RH no condensation				
Storage Temperature	-40℃ to 70℃(-40℉ to 158℉)				
Storage Humidity	5%~90% RH no condensation				
Others					
Certification	CE, FCC, RoHS, UKCA, RCM				

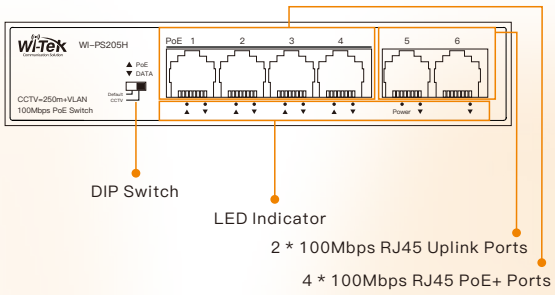
Appearances and Dimensions

WI-PS205H

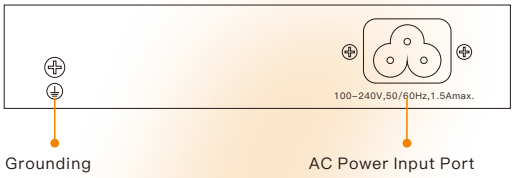
Dimensions (mm)



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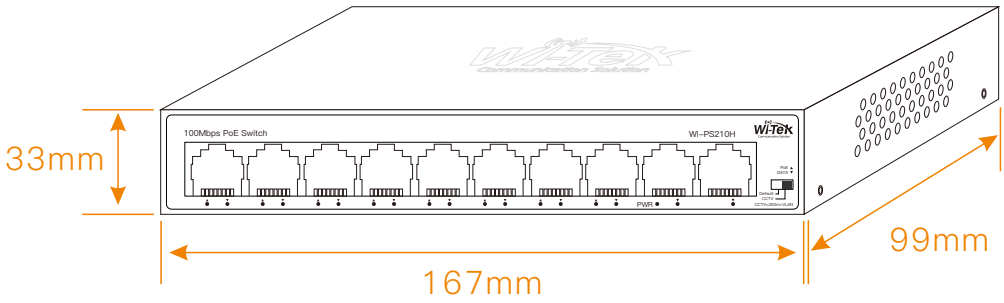


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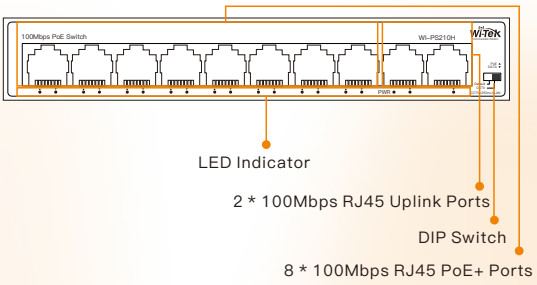


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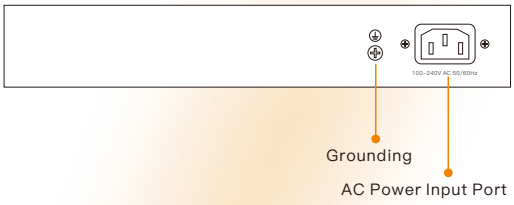
Dimensions (mm)



Front Panel

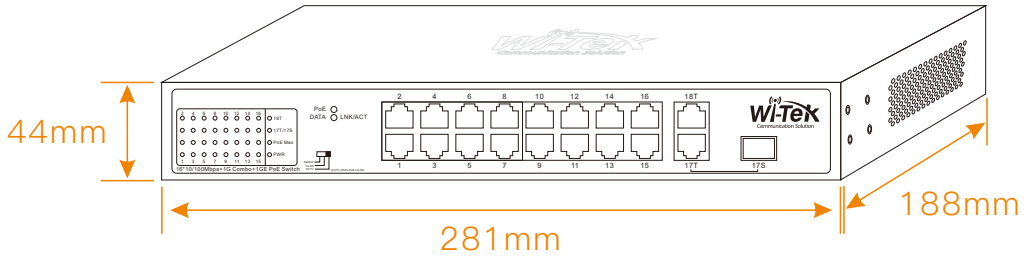


Rear Panel

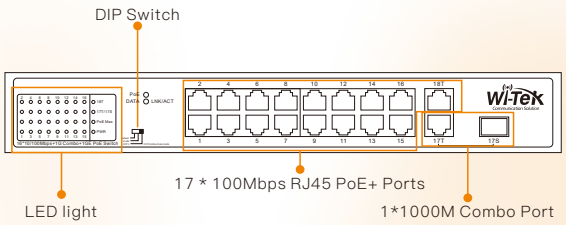


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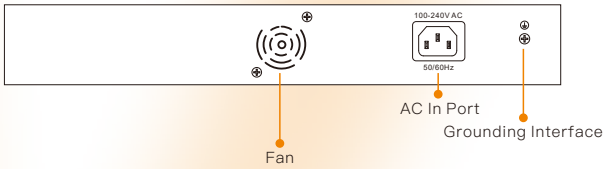
Dimensions (mm)



Front Panel

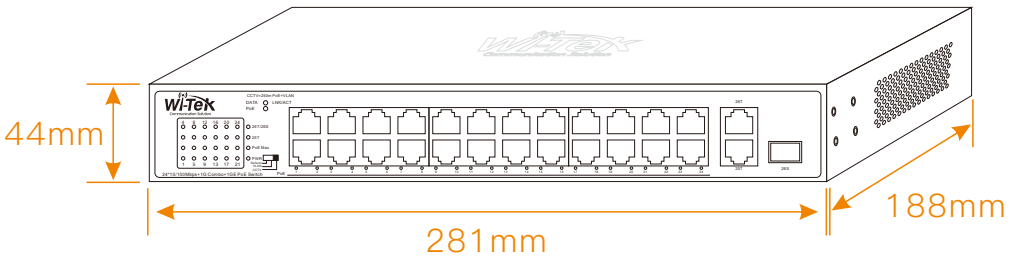


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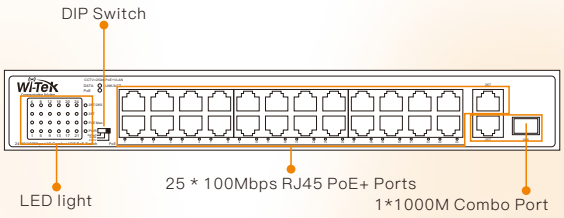


WI-PS526GH

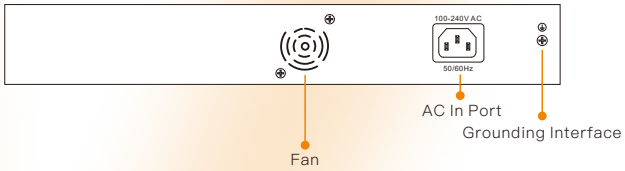
Dimensions (mm)



Front Panel

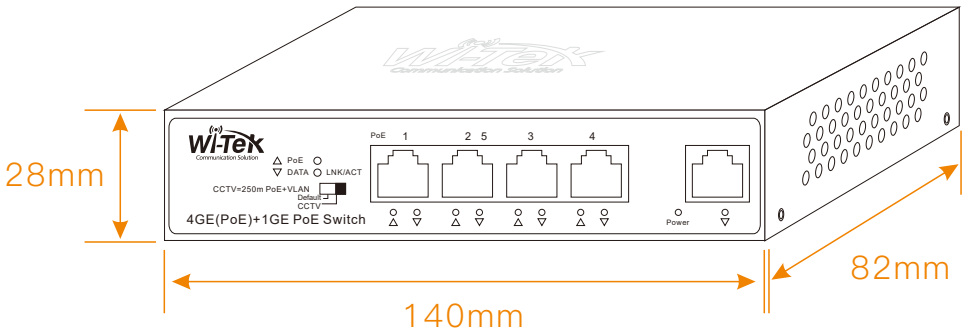


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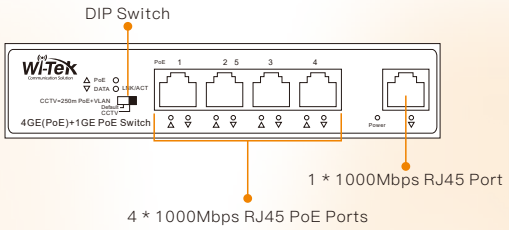


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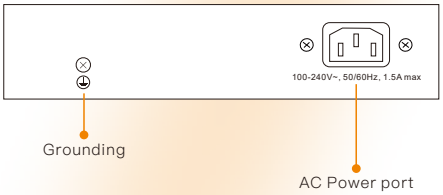
Dimensions (mm)



Front Panel

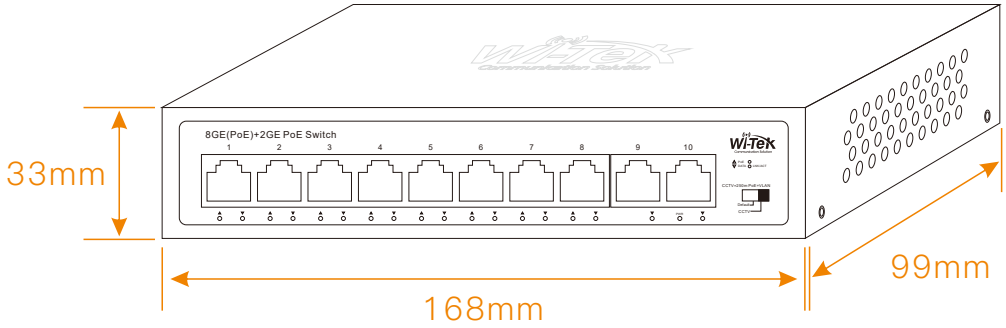


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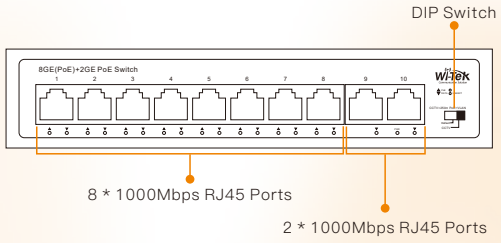


WI-PS308GH

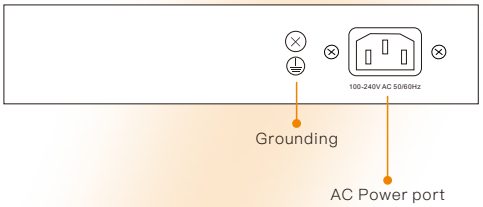
Dimensions (mm)



Front Panel

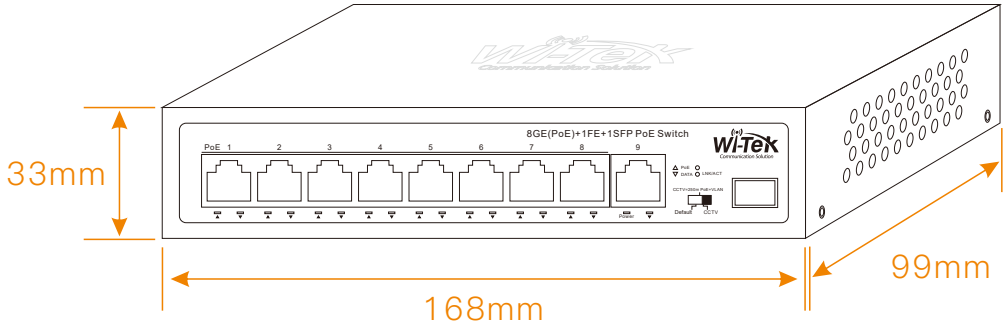


Rear Panel

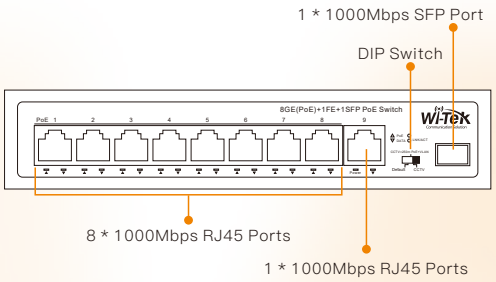


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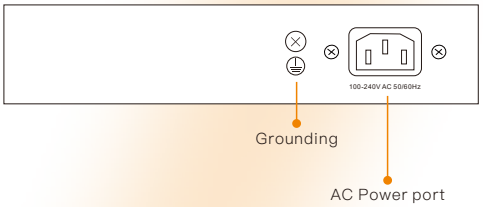
Dimensions (mm)



Front Panel

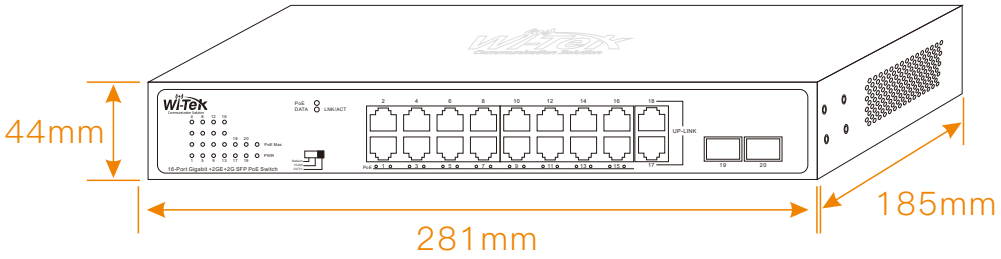


Rear Panel

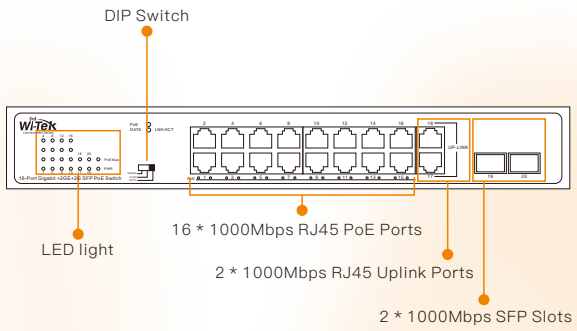


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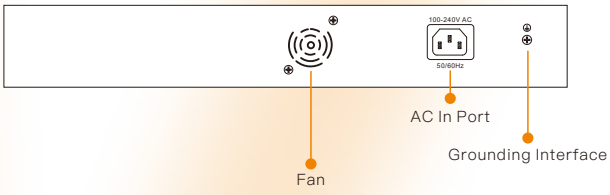
Dimensions (mm)



Front Panel

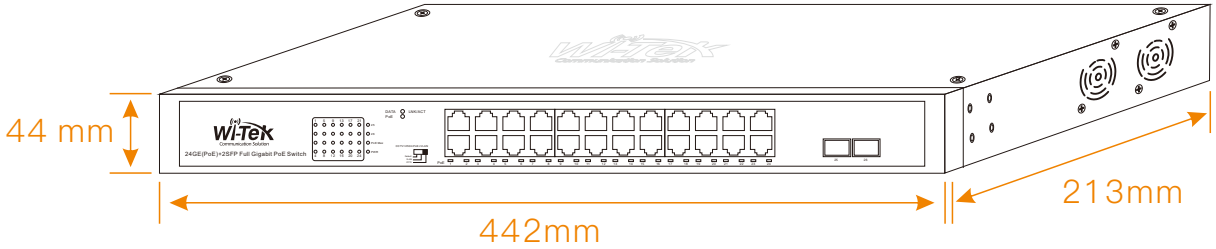


Rear Panel

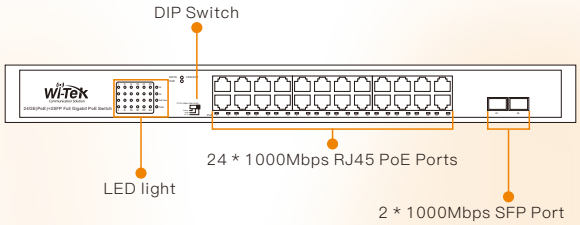


WI-PS326GFH

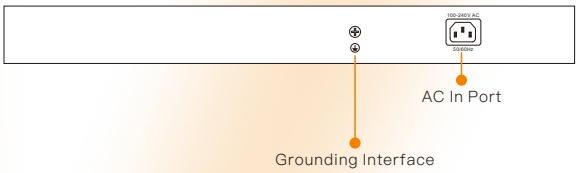
Dimensions (mm)



Front Panel



Rear Panel



Package Contents

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

WI-PS205H	WI-PS305GH	
Items	Quantity	
Switch	1 pcs	
AC Power Cord	1 pcs	
Quick Installation Guide	1 pcs	

WI-PS210H	WI-PS308GH	WI-PS309GFH	
Items	Quantity		
Switch	1 pcs		
AC Power Cord	1 pcs		
Quick Installation Guide	1 pcs		
Mats	4 pcs		

WI-PS518GH	WI-PS526GH	WI-PS318GFH	WI-PS326GFH	
Items	Quantity			
Switch	1 pcs			
AC Power Cord	1 pcs			
Rack Mount kit (Hooks × 2; Mats × 4; Screws × 8)	1 pcs			
Quick Installation Guide	1 pcs			

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Technical Support | Cloud Management | Company Website

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