

1000Mbps PoE Switch

WK-PS310-HP



Overview

The WK-PS310-HP 1000Mbps PoE switch features 8 1000Mbps PoE ports and 2 1000Mbps uplink Ethernet ports, with specific ports delivering up to 60W of power to reliably support high-power devices. It offers an affordable PoE solution that powers your CCTV network and other IP-based devices at distances of up to 250 meters—breaking through traditional PoE distance limitations. With support for VLAN, Extend, and Independent PD Alive functions enabled via smart DIP switches, it adds significant value for basic networking needs. This switch helps you build a versatile and dependable CCTV network solution.

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 Detect and Reboot Offline PD Device

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

Up to 60W Hi-PoE Output

Data transmission and 60W high-power supply are completed simultaneously via a single Ethernet cable, making the deployment of IP cameras more convenient and reliable.

Port Isolation to Prevent Broadcast Storm

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

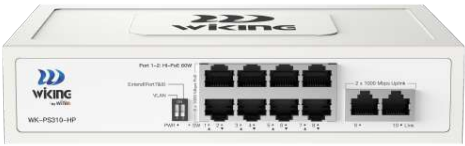
Plug and Play, No Configuration Required

No professional expertise is needed—even non-technical users can easily deploy the network.

Fanless Design

Fanless design, to provide you with a quiet working environment, suitable for office, hotel and other application scenarios.

Specifications

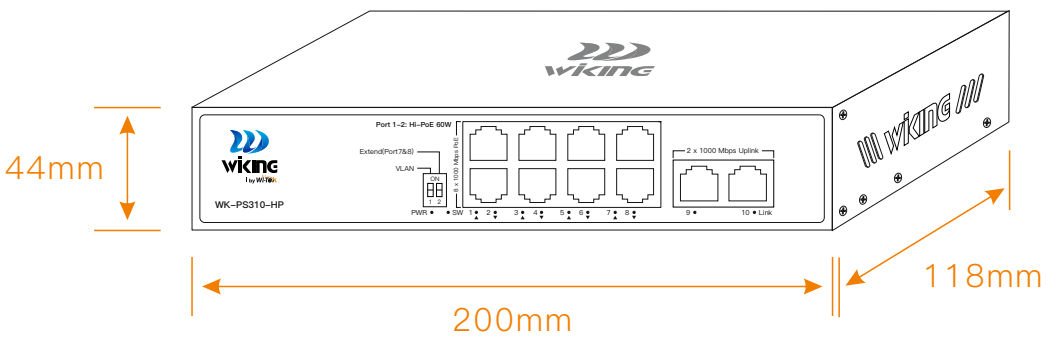


Model	WK-PS310-HP
Hardware Specifications	
Interfaces	
Downlink Ports	8*10/100/1000Mbps RJ45 PoE Ports
Uplink Ports	2*10/100/1000Mbps RJ45 Ports
PoE	
PoE Port	Port 1-8
PoE Standard	Port 1-2: Hi-PoE 60W Port 3-8: 802.3af/at
PoE Pin Assignment	1/2(+), 3/6(-)
PoE Power Budget	110W
Switch Property	
Standards and Protocols	IEEE 802.3 IEEE 802.3u IEEE 802.3x IEEE 802.3af IEEE 802.3at
Forwarding Mode	Store and Forward
Switching Capacity	20Gbps
Packet Forwarding Rate	14.88Mpps
MAC Address Table	2K
Packet Buffer Memory	3Mbit
Jumbo Frame	15KB
Power Supply	
Input Power	100-240V AC 50/60Hz
Power Consumption	Idle: 10W 100% Traffic Rate with PoE: 120W

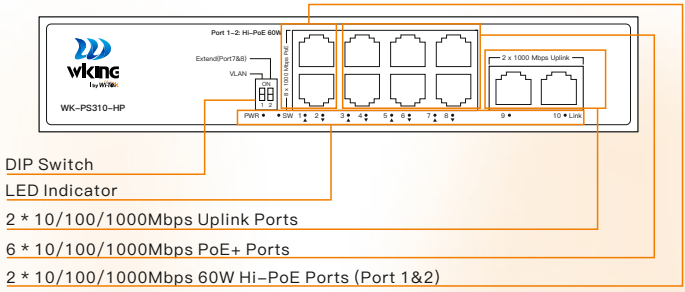
Model		WK-PS310-HP
Physical Characteristics		
LED Indicator	PWR: (Green) Solid on: The system power supply is normal Off: The system power supply is abnormal Link: (Green) Solid on: A link has been established on the interface Blinking: Data is being transmitted or received on the interface Off: No link is established on the interface SW: (Green) Solid on: VLAN mode, Extend mode and PD Alive mode enabled Blinking: Extend mode(or VLAN mode) and PD Alive mode enabled Off: Default disable VLAN mode, Extend mode and PD Alive mode	
Fan Quantity	Fanless	
Switch Dimensions (W x D x H)	200*118*44mm	
Package Dimensions (W x D x H)	240*210*70mm	
Weight	Net Weight: 0.801kg	
	Package Weight: 1.083kg	
Material	Iron	
Installation	Desktop, Wall-mount	
Button		
DIP Switch	VLAN Enable VLAN and PD Alive mode. All downlink ports are isolated but can communicate with uplink ports. All PoE ports enable the PD Alive mode to detect and reboot the offline-compliant PoE-powered devices. Extend Enable Extend and PD Alive mode. The transmission distance of port 7&8 can be up to 250m, but the rate is limited to 10Mbps. All PoE ports enable the PD Alive mode to detect and reboot the offline-compliant PoE-powered devices.	
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 Environment		0°C to 40°C(14°F to 131°F), 10%~90% RH no condensation
Storage Environment		-40°C to 70°C(-40°F to 158°F), 5%~95% RH no condensation
Certification		CE, FCC, RoHS, UKCA, RCM

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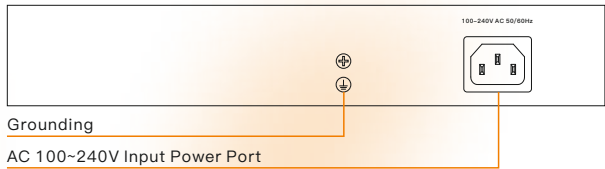
Dimensions (mm)



Front Panel



Rear Panel



Package Contents

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

Items	Quantity
Switch	1 pcs
AC Power Cord	1 pcs
Quick installation Guide	1 pcs



Wireless–Tek Technology Limited
Address:Building 3, Units 1801–1807, 1812, Huaqiang Era Plaza, Tangwei Community, Fuhai Street, Bao’an District, Shenzhen City, Guangdong Province, China.
Website:www.wireless–tek.com
Tel:86–0755–32811290
Email:sales@wireless–tek.com
Technical Support:tech@wireless–tek.com



Technical Support



Cloud Management



Company Website