# Cloud Easy Smart Gigabit PoE Switch

WI–PCES310G | WI–PCES320GFH | WI–PCES328GFH

## Overview

Wi–Tek Cloud Easy Smart Gigabit PoE Switch provides simple, safe, and easy–to–use local WEB and remote management methods and supports smart deployment, abnormal alarm, ONVIF automatic identification of network cameras, automatic shutdown of loop ports, IGMP Snooping for effectively prevent L2 flooding of multicast data and improve network performance etc. Users can easily use it without professional IT operation and maintenance. Wi–Tek Cloud Easy Smart Gigabit PoE Switch is the best choice for CCTV and SMB network solution.

## Features

### Support Wi–Tek cloud management

ONVIF cameras and Wi–Tek cloud management devices can be remotely managed through Wi–Tek cloud platform/mobile APP, making CCTV network projects truly intelligent and easy to maintain. You can easily access and manage your cameras from your phone or computer anytime, anywhere.

(Note: The EWEB channel can be created only when the easy smart switch is linked with the other type of Wi–Tek cloud management device, such as cloud L2, L3 management switch, gateway, wireless AP, etc.)

### Remote Configuration

No need to go to the site to configure. Users can make some remote configurations such as port restart, PoE restart, VLAN division, and even maintenance and debugging can be done remotely anytime and anywhere.

### Intelligent Operation and Maintenance

Abnormal alarm can help you locate problems quickly by Wi–Tek cloud planform, making your operation and maintenance easier.

### Automatic Loop Prevention

When a loop occurs on the switch,the port which caused the loop will be closed in time to enable the switch to operate properly and maintain service continuity.

# Specifications

| Model | WI–PCES310G | WI–PCES320GFH | WI–PCES328GFH |
|---|---|---|---|
| **Interfaces** | | | |
| Downlink Ports | 8*10/100/1000Mbps RJ45 ports | 16*10/100/1000Mbps RJ45 PoE Ports | 24*10/100/1000Mbps RJ45 PoE Ports |
| Uplink Ports | 2*10/100/1000Mbps RJ45 ports | 2*10/100/1000Mbps RJ45 Ports 2*1000Mbps SFP Slots | 2*10/100/1000Mbps RJ45 Ports 2*1000Mbps SFP Slots |
| **PoE** | | | |
| PoE Port | Port 1–8 | Port 1– 16 | Port 1– 24 |
| PoE Standard | IEEE 802.3af/at | | |
| PoE Pin Assignment | 1/2(+), 3/6(–); 4/5(+), 7/8(–) | | |
| PoE Power | 30W max for each port, 110W max. (PoE power budget) | 30W max for each port, 130W max. (PoE power budget) | 30W max for each port, 235W max. (PoE power budget) |
| **Performance** | | | |
| Flash | 16MB | | |
| **Switch Property** | | | |
| Standards and Protocols | IEEE 802.3, IEEE 802.3ab, IEEE 802.3u, IEEE 802.3x, IEEE 802.1q, IEEE802.3af, IEEE802.3at, | IEEE802.3, IEEE802.3z, IEEE802.3u, IEEE802.3az, IEEE802.3ab, IEEE802.3af, IEEE802.3x, IEEE802.3at IEEE 802.1q, | |
| Forwarding Mode | Store and Forward | | |
| Switching Capacity | 20Gbps | 40Gbps | 56Gbps |
| Packet Forwarding Rate | 14.88Mpps | 29.76Mpps | 41.67Mpps |
| MAC Address Table | 8k | | |
| Packet Buffer Memory | 4.1Mbit | | |
| Jumbo Frame | 15KBytes | | |

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|---|---|---|---|
| **Power Supply** | | | |
| Input Power | AC 100–240V 50/60Hz | | |
| Power Consumption | Idle: 7W<br>100% Traffic Rate with PoE: 117W | Idle: 8W<br>100% Traffic Rate with PoE: 138W | Idle: 10W<br>100% Traffic Rate with PoE: 245W |
| **Physical Characteristics** | | | |
| LED Indicators | **PWR(Green)**<br>On: The switch is powered on<br>Off: The switch is powered off or power supply is abnormal<br>**PoE(Yellow)**<br>On: PoE enabled<br>Off: PoE disabled<br>**Link**<br>On: Port connected<br>Off: Port disconnected<br>Blinking: Data transmission | **PWR(Green)**<br>Solid on: The power supply is normal<br>Off: The system power supply is abnormal<br>**PoE(Yellow)**<br>On: PoE enabled<br>Off: PoE disabled<br>**Link(Port 1–18)**<br>Orange on: The port is connected with 10/100Mbps speed<br>Green on: The port is connected with 1000Mbps speed<br>Blinking: Data transmission<br>Off: Port disconnected<br>**Link(Port 19–20)**<br>Green on: The port is connected with 1000Mbps speed<br>Blinking: Data transmission<br>Off: Port disconnected | **PWR(Green)**<br>Solid on: The power supply is normal<br>Off: The system power supply is abnormal<br>**PoE(Yellow)**<br>On: PoE enabled<br>Off: PoE disabled<br>**Link(Port 1–26)**<br>Orange on: The port is connected with 10/100Mbps speed<br>Green on: The port is connected with 1000Mbps speed<br>Blinking: Data transmission<br>Off: Port disconnected<br>**Link(Port 27–28)**<br>Green on: The port is connected with 1000Mbps speed<br>Blinking: Data transmission<br>Off: Port disconnected |
| Fan Quantity | Fanless | 2 | |
| Switch Dimensions | 280*180*44mm | 440*270.8*44mm | 440*270.8*44mm |
| Package Dimensions | 438*245*77mm | 555*295*88mm | 555*295*88mm |
| Weight | Net Weight: 1.40kg<br>Package Weight: 2.12kg | Net Weight: 2.27kg<br>Package Weight: 3.33kg | Net Weight: 2.52kg<br>Package Weight: 3.58kg |
| Installation | Desktop, Rack–mounted | | |

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|---|---|---|---|
| **Button** | | | |
| Reset | Hold for >5 sec. to restore factory default | | |
| **Environmental** | | | |
| Reliability / Surge Immunity | IEC 61000–4–5<br>Common mode ±4kV<br>Differential mode ±2kV | | |
| Reliability / ESD Protection | IEC 61000–4–2<br>Contact discharge ±6kV<br>Air discharge ± 8kV | | |
| Operating Environment | –10℃ to 50℃(14℉ to 122℉); 10%~90% RH no condensation | | |
| Storage Environment | –40℃ to 70℃(–40℉ to 158℉); 5%~95% RH no condensation | | |
| **Certification** | | | |
| Certification | CE, FCC, RoHS, UKCA, RCM | | |

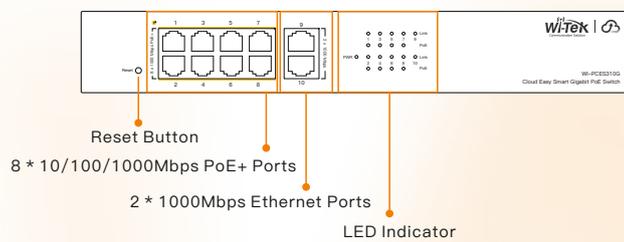| Model | WI–PCES310G | WI–PCES320GFH | WI–PCES328GFH |
|---|---|---|---|
| Software Features | | | |
| System Settings | Device Info | | |
| | IP Setting | | |
| | User management | | |
| | Upgrade | | |
| | Backup Restore | | |
| | Device Management | | |
| Monitoring | Port Statistics | | |
| | Ping Test | | |
| | Loop Guard | | |
| Switch Settings | Port Settings | | |
| | Port Aggregation | | |
| | Port Mirroring | | |
| | Jumbo Frame | | |
| | IGMP Snooping | | |
| | MAC Manage | | |
| | LLDP Config | | |
| | LLDP Neighbor | | |
| VLAN Settings | MTU VLAN* | | |
| | Port–based VLAN* | | |
| | 802.1Q VLAN | | |
| QOS Settings | Port Rate | | |
| | Storm Control | | |
| | QoS Basic | | |
| | QoS Advanced | | |
| PoE Setting | PoE | | |
| | PD Alive | | |
| Onvif | Onvif Detect | | |
| Cloud Settings | Cloud Settings | | |

Note: As the cloud platform only supports 802.1Q VLAN, when MTU VLAN or Port–based VLAN functions need to be enabled, the cloud management function needs to be disabled first.
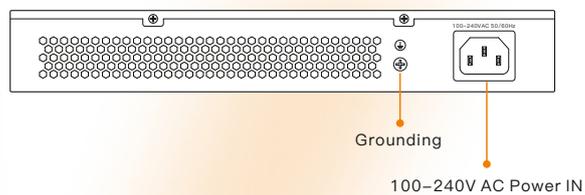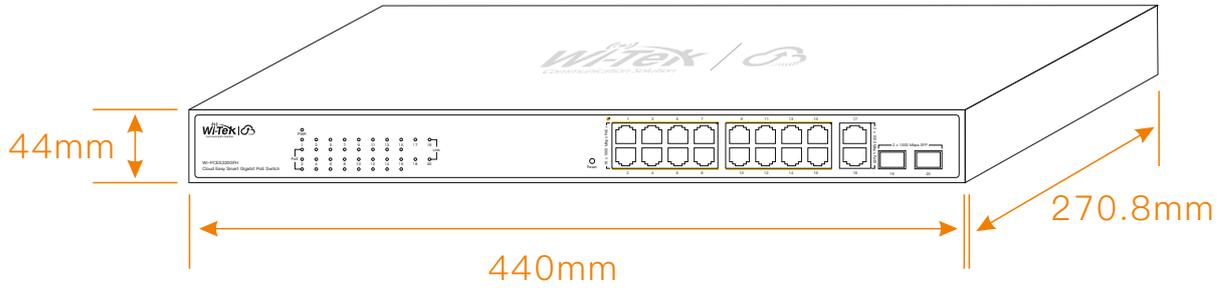
## WI–PCES310G

### Dimensions (mm)

44mm

280mm

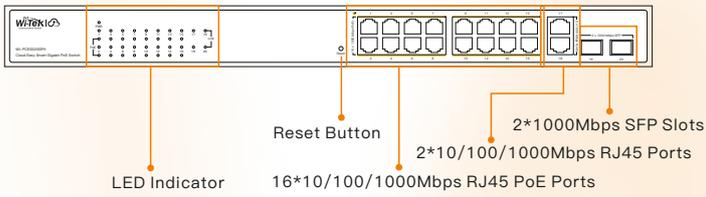180mm

### Front Panel

Reset Button

8 * 10/100/1000Mbps PoE+ Ports

2 * 1000Mbps Ethernet Ports

LED Indicator

### Rear Panel

Grounding

100–240V AC Power IN
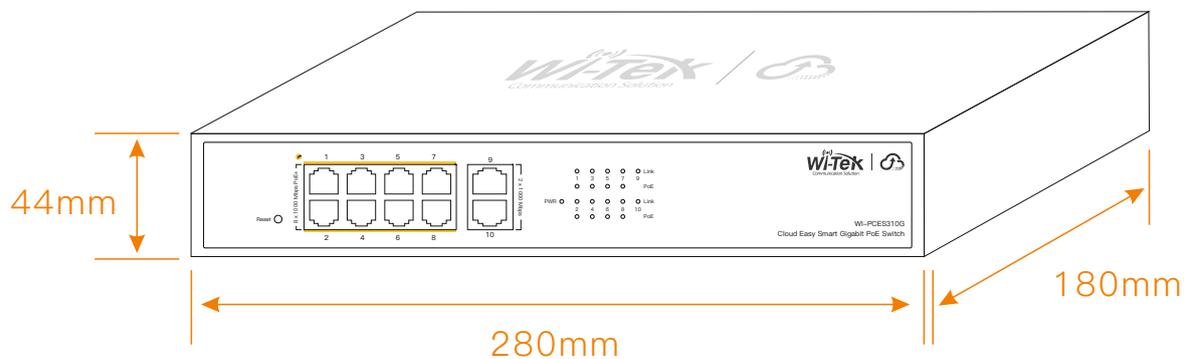
## WI-PCES320GFH

### Dimensions (mm)

44mm

440mm

270.8mm

### Front Panel

LED Indicator

Reset Button

16*10/100/1000Mbps RJ45 PoE Ports

2*10/100/1000Mbps RJ45 Ports

2*1000Mbps SFP Slots

### Rear Panel

Grounding

100-240V AC Power IN
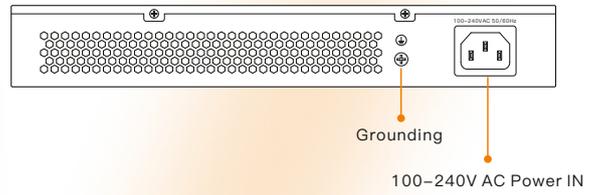
## WI–PCES328GFH

### Dimensions (mm)

44mm

270.8mm

440mm

### Front Panel

Reset Button

LED Indicator

24*10/100/1000Mbps RJ45 PoE Ports

2*10/100/1000Mbps RJ45 Ports

2*1000Mbps SFP Slots

### Rear Panel

100-240VAC 50/60Hz

Grounding

100–240V AC Power IN
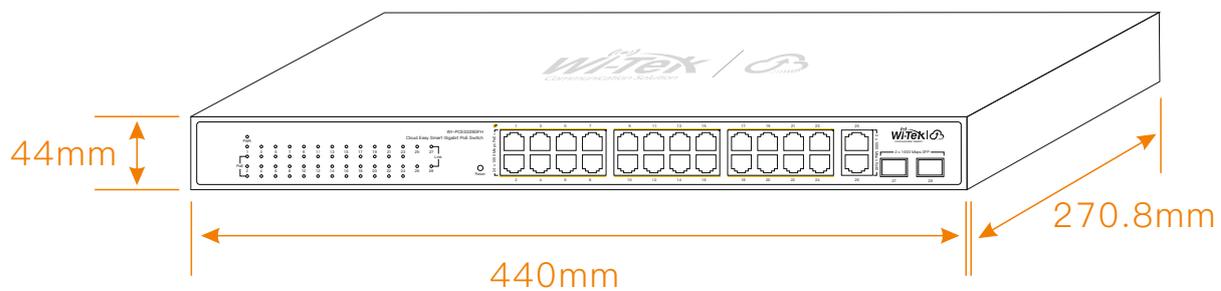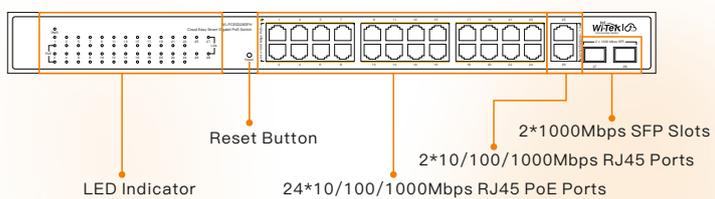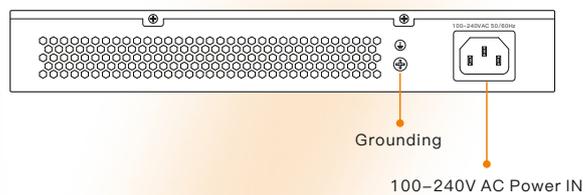
## Package Contents

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

| Items | Quantity |
|---|---|
| Switch | 1 pcs |
| AC Power Cord | 1 pcs |
| Mounting Accessories | Hook x 2, Mat x 4, Screw x 8 |
| Quick Installation Guide | 1 pcs |

CE FC ⌧ ⚠ UKCA **RoHS**

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