

## Cloud Easy smart PoE switch



WI-PCES306G| WI-PCES310GF| WI-PCES318GF|  
WI-PCES326GF

Hardware Version: V2.0

### Overview

Wi-Tek Cloud Easy smart 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, etc. Users can easily use it without professional IT operation and maintenance. Wi-Tek Cloud Easy Smart 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.)

#### Automatic Loop Prevention

By default, the switch enables port loop detection. 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.

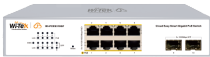
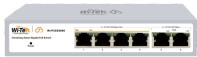
#### Remote Configuration

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, making your operation and maintenance easier.

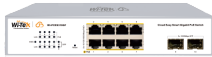
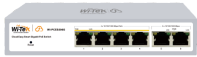
# Specifications



| Model                   | WI-PCES306G                                                                                                                                                          | WI-PCES310GF                                                                                                                                                                           | WI-PCES318GF                                                                                                                                                                          | WI-PCES326GF                                                                                                                                                                         |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hardware Features       |                                                                                                                                                                      |                                                                                                                                                                                        |                                                                                                                                                                                       |                                                                                                                                                                                      |
| Interfaces              |                                                                                                                                                                      |                                                                                                                                                                                        |                                                                                                                                                                                       |                                                                                                                                                                                      |
| Downlink Ports          | 4*10/100/1000 BASE-T<br>RJ45 ports                                                                                                                                   | 8*10/100/1000 BASE-T<br>RJ45 ports                                                                                                                                                     | 16*10/100/1000 BASE-T<br>RJ45 ports                                                                                                                                                   | 24*10/100/1000 BASE-T<br>RJ45 ports                                                                                                                                                  |
| Uplink Ports            | 2*10/100/1000Mbps BASE-T<br>RJ45 ports                                                                                                                               | 2*1000Mbps SFP Slots                                                                                                                                                                   | 2*1000Mbps SFP Slots                                                                                                                                                                  | 2*1000Mbps SFP Slots                                                                                                                                                                 |
| PoE                     |                                                                                                                                                                      |                                                                                                                                                                                        |                                                                                                                                                                                       |                                                                                                                                                                                      |
| PoE Port                | Port 1–4: 802.3af/at<br>PoE Ports                                                                                                                                    | Port 1–8: 802.3af/at<br>PoE Ports                                                                                                                                                      | Port 1–16: 802.3af/at<br>PoE Ports                                                                                                                                                    | Port 1–24: 802.3af/at<br>PoE Ports                                                                                                                                                   |
| PoE Standard            | 802.3af/at                                                                                                                                                           |                                                                                                                                                                                        |                                                                                                                                                                                       |                                                                                                                                                                                      |
| PoE Power Supply Type   | End-span                                                                                                                                                             |                                                                                                                                                                                        |                                                                                                                                                                                       |                                                                                                                                                                                      |
| PoE Pin Assignment      | 1/2(+), 3/6(–)                                                                                                                                                       |                                                                                                                                                                                        |                                                                                                                                                                                       |                                                                                                                                                                                      |
| PoE Power               | 30W Max. for each port,<br>60W Max. for PoE power<br>budget                                                                                                          | 30W Max. for each port,<br>120W Max. for PoE power<br>budget                                                                                                                           | 30W Max. for each port,<br>240W Max. for PoE power<br>budget                                                                                                                          | 30W Max. for each port,<br>370W Max. for PoE power<br>budget                                                                                                                         |
| Performance             |                                                                                                                                                                      |                                                                                                                                                                                        |                                                                                                                                                                                       |                                                                                                                                                                                      |
| Memory and Flash        | Memory: DDR3<br>Flash:16MB                                                                                                                                           |                                                                                                                                                                                        |                                                                                                                                                                                       |                                                                                                                                                                                      |
| Switch Property         |                                                                                                                                                                      |                                                                                                                                                                                        |                                                                                                                                                                                       |                                                                                                                                                                                      |
| Standards and Protocols | IEEE 802.3, IEEE 802.3u,<br>IEEE 802.3ab, IEEE 802.3x,<br>IEEE 802.1x, IEEE 802.1q,<br>IEEE802.1p,IEEE802.1d,<br>IEEE802.1w,IEEE802.3ad,<br>IEEE802.3af, IEEE802.3at | IEEE 802.3, IEEE 802.3u,<br>IEEE 802.3ab, IEEE 802.3z,<br>IEEE 802.3x, IEEE 802.1x,<br>IEEE 802.1q, IEEE 802.1p,<br>IEEE802.1d,IEEE802.1w,<br>IEEE802.3ad, IEEE802.3af,<br>IEEE802.3at | IEEE 802.3, IEEE 802.3u,<br>IEEE 802.3ab, IEEE 802.3z,<br>IEEE 802.3x, IEEE 802.1x,<br>IEEE802.1q,IEEE802.1p, ,<br>IEEE802.1d,IEEE802.1w,<br>IEEE802.3ad, IEEE802.3af,<br>IEEE802.3at | IEEE 802.3, IEEE 802.3u,<br>IEEE 802.3ab, IEEE 802.3z,<br>IEEE 802.3x, IEEE 802.1x,<br>IEEE802.1q,,IEEE802.1d,<br>IEEE802.1w,IEEE802.3ad,<br>IEEE 802.1p,IEEE802.3af,<br>IEEE802.3at |
| Forwarding Mode         | Store and Forward                                                                                                                                                    |                                                                                                                                                                                        |                                                                                                                                                                                       |                                                                                                                                                                                      |
| Switching Capacity      | 12 Gbps                                                                                                                                                              | 20 Gbps                                                                                                                                                                                | 36 Gbps                                                                                                                                                                               | 52 Gbps                                                                                                                                                                              |
| Packet Forwarding Rate  | 8.93 Mpps                                                                                                                                                            | 14.88 Mpps                                                                                                                                                                             | 26.78 Mpps                                                                                                                                                                            | 38.68 Mpps                                                                                                                                                                           |

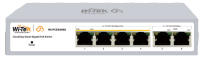


| Model                    | WI-PCES306G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | WI-PCES310GF                                      | WI-PCES318GF                                      | WI-PCES326GF |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------|--------------|
| MAC Address Table        | 8k                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                   |                                                   |              |
| Packet Buffer Memory     | 4.1Mbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                   |                                                   |              |
| Jumbo Frame              | 9 kB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                   |                                                   |              |
| Power Supply             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                   |                                                   |              |
| Input Power              | AC 100–240V, 50/60Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                   |                                                   |              |
| Power Consumption        | Idle: 5W<br>100% Traffic Rate with PoE:<br>65 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Idle: 10W<br>100% Traffic Rate with PoE:<br>130 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Idle: 10W<br>100% Traffic Rate with PoE:<br>250 W | Idle: 12W<br>100% Traffic Rate with PoE:<br>382 W |              |
| Physical Characteristics |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                   |                                                   |              |
| LED Indicators           | PWR Indicator:<br>On: the device power on is normal<br>Off: the device is power off or failed<br><br>Link Indicator:<br>Off: No device is connected to the corresponding port.<br>On: Indicates the link through that port is successfully established<br>Blinking: Indicates that the Switch is actively sending or receiving data over that port.<br><br>PoE Indicator:<br>Off: No PoE powered device (PD) connected.<br>On: There is a PoE PD connected to be port, which supply power successfully.<br>Blinking: Indicates the port is abnormal. | PWR Indicator:<br>On: the device power on is normal<br>Off: the device is power off or failed<br><br>Link Indicator:<br>Off: No device is connected to the corresponding port.<br>On: Indicates the link through that port is successfully established<br>Blinking: Indicates that the Switch is actively sending or receiving data over that port.<br><br>PoE Indicator:<br>Off: No PoE powered device (PD) connected.<br>On: There is a PoE PD connected to be port, which supply power successfully.<br>Blinking: Indicates the port is abnormal.<br><br>SFP Indicator:<br>On: port connected<br>Off: Port disconnected.<br>Blinking:Data transmission |                                                   |                                                   |              |
| Buttons                  | Hold for >5 sec. to restore factory default.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                   |                                                   |              |
| Fan Quantity             | Fanless                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2                                                 | 2                                                 |              |
| Dimensions (W*D*H)       | 168*94*32mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 220*150*44mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 440*207*44mm                                      | 440*207*44mm                                      |              |
| Weight                   | Net Weight: 0.52kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Net Weight: 1.24kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Net Weight: 2.4kg                                 | Net Weight: 2.78kg                                |              |
|                          | Package Weight: 0.83kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Package Weight: 1.84kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Package Weight: 3.09kg                            | Package Weight: 3.46kg                            |              |
| Installation             | Desktop                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Rack–Mounted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Rack–Mounted                                      | Rack–Mounted                                      |              |



| Model                 |                | WI-PCES306G                                  | WI-PCES310GF | WI-PCES318GF | WI-PCES326GF |
|-----------------------|----------------|----------------------------------------------|--------------|--------------|--------------|
| Environmental         |                |                                              |              |              |              |
| Reliability           | Surge Immunity | Common mode ±4kV<br>Differential mode ±2kV   |              |              |              |
|                       | ESD Protection | Contact discharge ±6kV<br>Air discharge ±8kV |              |              |              |
| 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 no condensation                 |              |              |              |
| Storage Humidity      |                | 5 ~ 90% RH non-condensing                    |              |              |              |
| Certification         |                |                                              |              |              |              |
| Certification         |                | CE, FCC, RoHS, UKCA, RCM                     |              |              |              |

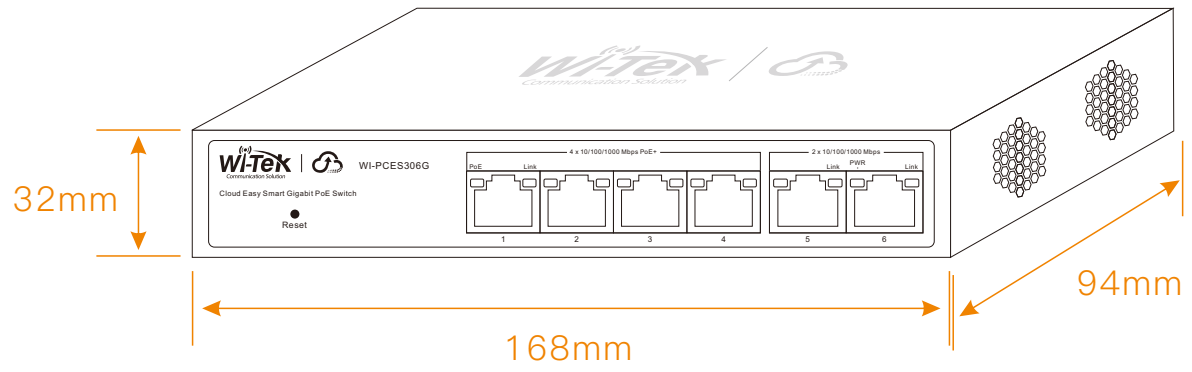




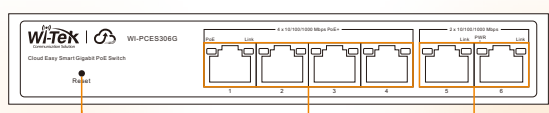
| Model               | WI-PCES306G                                          | WI-PCES310GF | WI-PCES318GF | WI-PCES326GF |
|---------------------|------------------------------------------------------|--------------|--------------|--------------|
| Software Features   |                                                      |              |              |              |
| Switch Settings     | IP Settings                                          |              |              |              |
|                     | User Management                                      |              |              |              |
|                     | Firmware Upgrade                                     |              |              |              |
|                     | Reset                                                |              |              |              |
|                     | Reboot                                               |              |              |              |
| Monitoring          | Port Statistics                                      |              |              |              |
|                     | Cable Diagnostics                                    |              |              |              |
|                     | Loop Guard                                           |              |              |              |
|                     | Ping Test                                            |              |              |              |
| Switch Settings     | Port Mirroring                                       |              |              |              |
|                     | Port Isolation                                       |              |              |              |
|                     | Port Reboot                                          |              |              |              |
|                     | Jumbo Frame                                          |              |              |              |
|                     | Static MAC                                           |              |              |              |
|                     | Filter MAC                                           |              |              |              |
|                     | Search MAC                                           |              |              |              |
|                     | MAC List                                             |              |              |              |
|                     | DHCP Snooping                                        |              |              |              |
|                     | Port Aggregation                                     |              |              |              |
| QoS                 | Port Rate                                            |              |              |              |
|                     | Storm Control                                        |              |              |              |
|                     | Port/802.1p/DSCP priority                            |              |              |              |
| VLAN Settings       | Port-based VLAN                                      |              |              |              |
|                     | Management vlan                                      |              |              |              |
|                     | VLAN Range: 1–4094                                   |              |              |              |
| PoE Settings        | PoE port disable                                     |              |              |              |
|                     | PD Alive                                             |              |              |              |
|                     | Extend PoE                                           |              |              |              |
| ONVIF               | Automatically identify IP cameras that support ONVIF |              |              |              |
| Wi-Tek Cloud manage | Cloud management and APP management                  |              |              |              |

# WI-PCES306G

## Dimensions (mm)

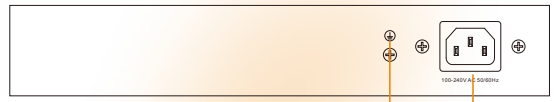


## Front Panel



- Reset Button
- 4\*10/100/1000 BASE-T RJ45 PoE+ ports
- 2\*10/100/1000Mbps BASE-T RJ45 ports

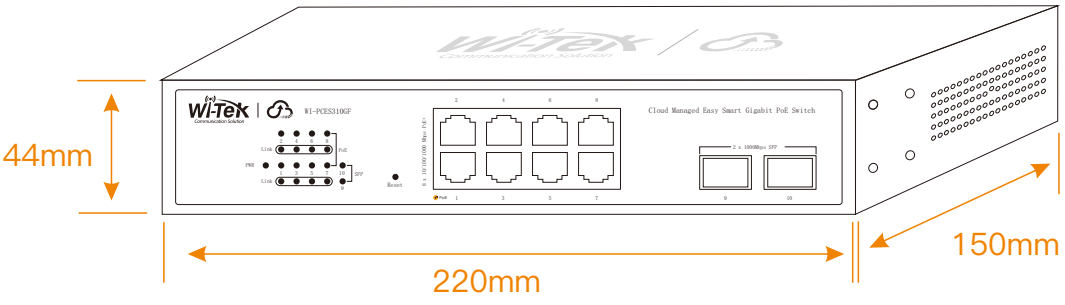
## Side Panel



- Grounding
- AC 100~240V Power Port

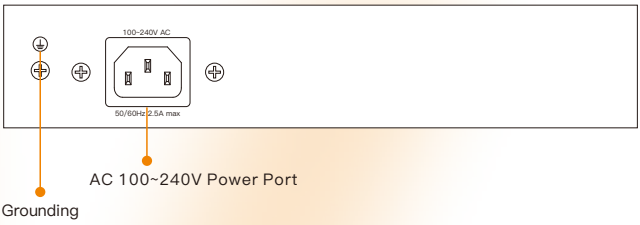
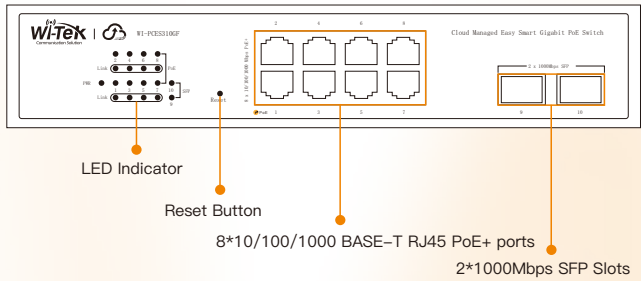
WI-PCES310GF

Dimensions (mm)



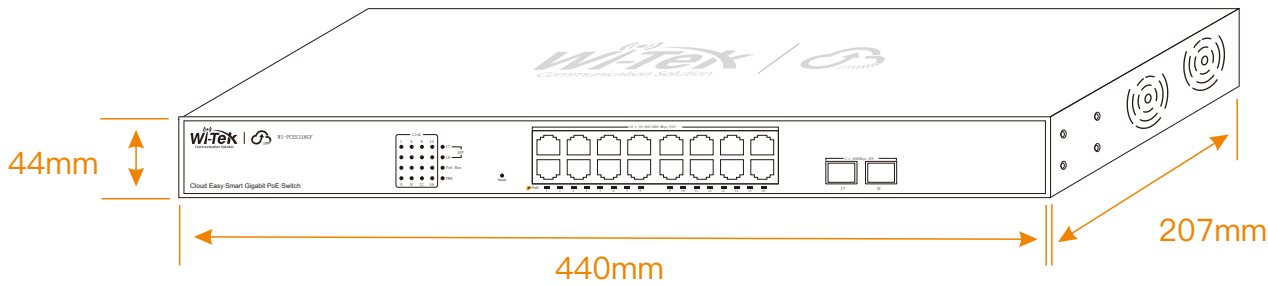
Front Panel

Side Panel

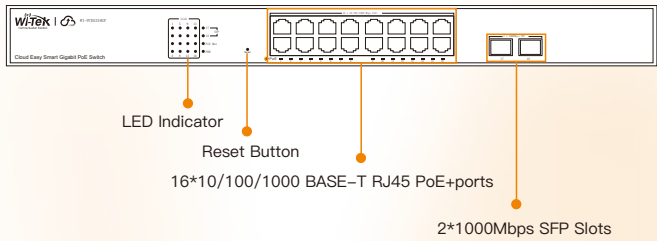


WI-PCES318GF

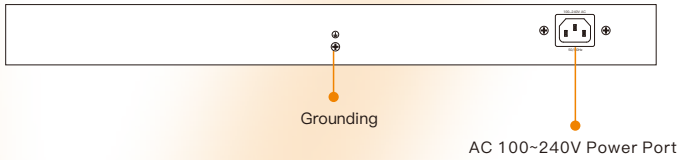
Dimensions (mm)



Front Panel

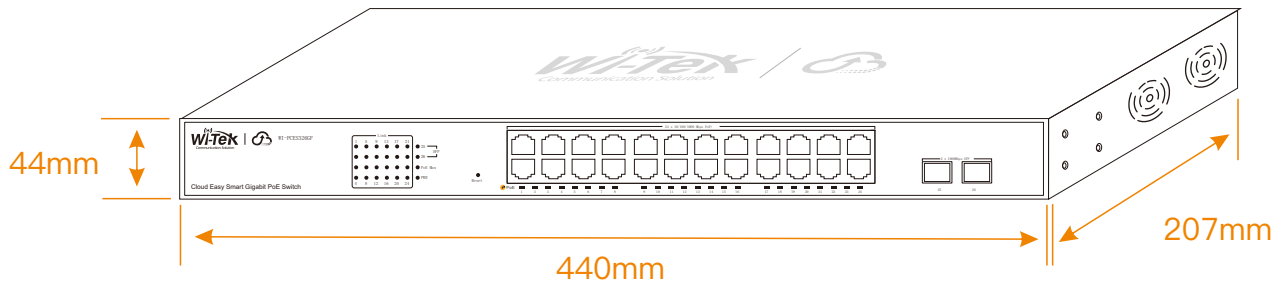


Side Panel

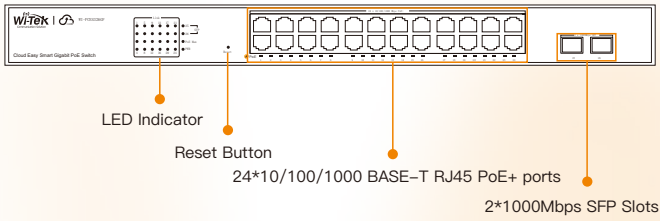


WI-PCES326GF

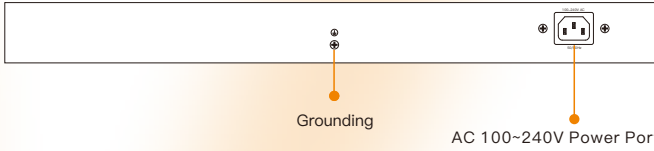
Dimensions (mm)



Front Panel



Side Panel



## Package Contents

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

### WI-PCES306G

| Items                    | Quantity |
|--------------------------|----------|
| Switch                   | 1 pcs    |
| Quick Installation Guide | 1 pcs    |
| Power Cord               | 1 pcs    |
| Mounting Accessories     | Mat x 4  |

### WI-PCES310GF/WI-PCES318GF/WI-PCES326GF

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



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](http://www.wireless-tek.com)

Tel: 86-0755-32811290

Email: [sales@wireless-tek.com](mailto:sales@wireless-tek.com)

Technical Support: [tech@wireless-tek.com](mailto:tech@wireless-tek.com)



Technical Support



Cloud Management



Company Website