

## Cloud Easy Smart Gigabit PoE Switch

WI-PCES306G



Hardware Version: V3.0

### Overview

The Wi-Tek Cloud Easy Smart Gigabit PoE Switch offers 4 \* 1000Mbps PoE ports with 2 ports up to 45W of PoE output, and 2 \* 1000Mbps uplink RJ45 ports, providing flexible and high-performance full-gigabit access and uplink ports. The switch provides simple, safe, and easy-to-use local WEB and remote management methods, 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 flow and improve network performance etc. Wi-Tek Cloud Easy Smart Switch is the best choice for SMB CCTV and WLAN network solution.

### Features

#### Support Wi-Tek cloud management

ONVIF cameras and Wi-Tek cloud management devices can be remotely managed through the 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.)

#### ONVIF-based IPC Detection and Automatic Topology Mapping

Effortlessly discover ONVIF IPCs and visualize their connections under the switch via the cloud platform, enabling intuitive network management and faster deployment.

#### 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.

## **Support IGMP Snooping to Optimize Multicast Traffic Efficiency**

IGMP Snooping is an intelligent Layer 2 feature designed to enhance multicast traffic management on your network. By actively monitoring and controlling multicast group memberships, it ensures efficient bandwidth utilization and optimal performance for video streaming, IPTV, and real-time data distribution.

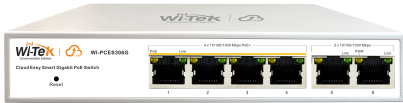
## **Remote Configuration**

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                                                                     |             |  |
| Hardware Specifications |                                                                                 |             |  |
| Hardware Version        | V3                                                                              |             |  |
| Interfaces              |                                                                                 |             |  |
| Downlink Ports          | 4 *10/100/1000Mbps RJ45 Ports                                                   |             |  |
| Uplink Ports            | 2 *10/100/1000Mbps RJ45 Ports                                                   |             |  |
| PoE                     |                                                                                 |             |  |
| PoE Port                | Port 1–4                                                                        |             |  |
| PoE Standard            | Port 1–2: Hi–PoE 45W<br>Port 3–4: IEEE802.3 af/at 30W                           |             |  |
| PoE Pin Assignment      | 1/2(+), 3/6(–)                                                                  |             |  |
| PoE Power               | 45W Max. for port 1–2<br>30W Max. for port 3–4<br>60W Max. for PoE power budget |             |  |
| Performance             |                                                                                 |             |  |
| Memory and Flash        | Memory 256KB<br>Flash 16MB                                                      |             |  |
| Switch Property         |                                                                                 |             |  |
| Standards and Protocols | IEEE802.3i                                                                      | IEEE802.1q  |  |
|                         | IEEE802.1ab                                                                     | IEEE802.1p  |  |
|                         | IEEE802.3u                                                                      | IEEE802.3af |  |
|                         | IEEE802.3ab                                                                     | IEEE802.3at |  |
|                         | IEEE802.3x                                                                      |             |  |
| Forwarding Mode         | Store and Forward                                                               |             |  |
| Switching Capacity      | 12Gbps                                                                          |             |  |
| Packet Forwarding Rate  | 8.93Mpps                                                                        |             |  |
| MAC Address Table       | 4K                                                                              |             |  |
| Packet Buffer Memory    | 1.5Mbit                                                                         |             |  |
| Jumbo Frame             | 15KB                                                                            |             |  |

|                          |                      |                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                    |                      | WI-PCES306G                                                                                                                                                                                                                                                                                                                                                                                   |
| Power Supply             |                      |                                                                                                                                                                                                                                                                                                                                                                                               |
| Input Power              |                      | AC: 100–240V, 50/60Hz                                                                                                                                                                                                                                                                                                                                                                         |
| Power Consumption        |                      | Idle: 5.6W<br>100% Traffic Rate with PoE: 65.6W                                                                                                                                                                                                                                                                                                                                               |
| Physical Characteristics |                      |                                                                                                                                                                                                                                                                                                                                                                                               |
| LED Indicators           |                      | <b>PWR(Orange):</b><br>Solid On: The device is powered on normally<br>Off: The device is powered off or failed<br><br><b>Link (Green):</b><br>Solid On: Port connected<br>Blinking: Data transmission<br>Off: Port disconnected<br><br><b>PoE (Orange):</b><br>Solid On: There is a PoE PD connected to be port, which supply power successfully<br>Off: No PoE powered device (PD) connected |
| Switch Dimension(L*W*H)  |                      | 168*94*32mm                                                                                                                                                                                                                                                                                                                                                                                   |
| Package Dimension        |                      | 192x165x60mm                                                                                                                                                                                                                                                                                                                                                                                  |
| Weight                   | Net Weight: ? kg     |                                                                                                                                                                                                                                                                                                                                                                                               |
|                          | Package Weight: ? kg |                                                                                                                                                                                                                                                                                                                                                                                               |
| Installation             |                      | Wall mounted and Desktop installation                                                                                                                                                                                                                                                                                                                                                         |
| Buttons                  |                      |                                                                                                                                                                                                                                                                                                                                                                                               |
| Reset                    |                      | Hold for >5 sec. to restore factory default                                                                                                                                                                                                                                                                                                                                                   |
| Environmental            |                      |                                                                                                                                                                                                                                                                                                                                                                                               |
| Reliability              | Surge Immunity       | IEC 61000–4–5<br>Common mode $\pm 6\text{KV}$<br>Differential mode $\pm 2\text{KV}$                                                                                                                                                                                                                                                                                                           |
|                          | ESD Protection       | IEC 61000–4–2<br>Contact discharge $\pm 6\text{KV}$<br>Air discharge $\pm 8\text{KV}$                                                                                                                                                                                                                                                                                                         |
| Operating Temperature    |                      | $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$ ( $14^{\circ}\text{F}$ to $122^{\circ}\text{F}$ )                                                                                                                                                                                                                                                                                               |
| Operating Humidity       |                      | 10%~90% RH no condensation                                                                                                                                                                                                                                                                                                                                                                    |
| Storage Temperature      |                      | $-40^{\circ}\text{C} \sim 70^{\circ}\text{C}$ ( $-40^{\circ}\text{F}$ to $158^{\circ}\text{F}$ )                                                                                                                                                                                                                                                                                              |
| Storage Humidity         |                      | 5% ~ 90% RH no condensation                                                                                                                                                                                                                                                                                                                                                                   |
| Certification            |                      |                                                                                                                                                                                                                                                                                                                                                                                               |
| Certification            |                      | CE, FCC, RoHS, UKCA, RCM                                                                                                                                                                                                                                                                                                                                                                      |

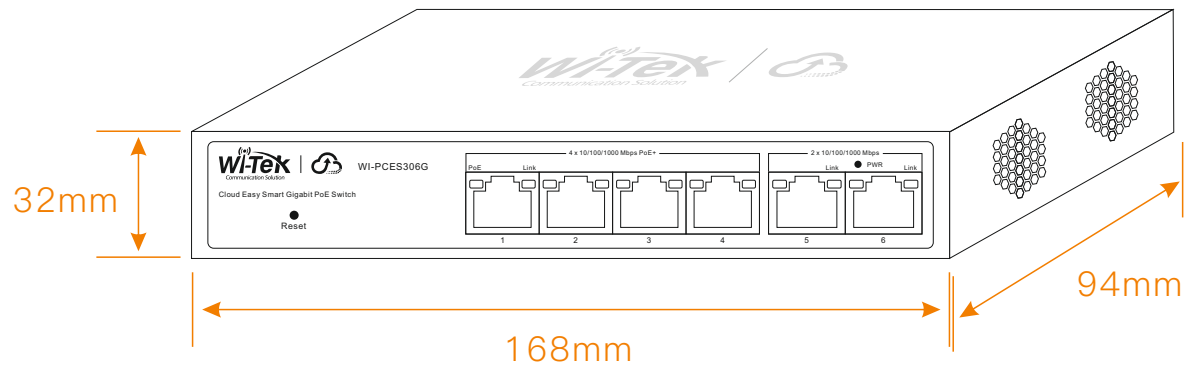


|                   |                   |
|-------------------|-------------------|
| Model             | WI-PCES306G       |
| Software Features |                   |
| System Settings   | Device Info       |
|                   | IP Settings       |
|                   | WEB Settings      |
|                   | User Management   |
|                   | Upgrade           |
|                   | Device Management |
| Monitoring        | Port Statistics   |
|                   | Cable Diagnostics |
|                   | Loop Guard        |
|                   | Ping Test         |
| Switch Settings   | Port Settings     |
|                   | Port Mirroring    |
|                   | Port Isolation    |
|                   | Port Aggregation  |
|                   | Jumbo Frame       |
|                   | Static MAC        |
|                   | Black Hole MAC    |
|                   | Search MAC        |
|                   | MAC List          |
|                   | DHCP Snooping     |
|                   | DDos              |
|                   | IGMP Snooping     |

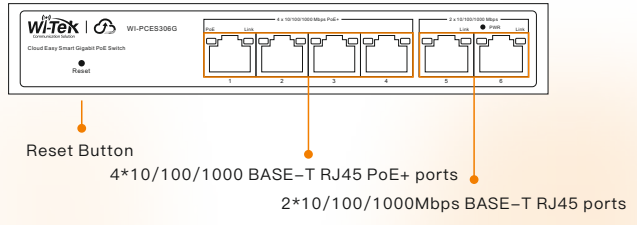
|                |                        |
|----------------|------------------------|
| Model          | WI-PCES306G            |
| VLAN Settings  | VLAN Member            |
|                | VLAN Settings          |
|                | Management VLAN        |
|                | Voice VLAN             |
| PoE Management | PoE Settings           |
| QoS Settings   | Port Rate              |
|                | Storm Control          |
|                | QoS Property           |
|                | COS Priority Mapping   |
|                | DSCP Priority Mapping  |
|                | Inner Priority Mapping |
|                | Queue Scheduling       |
| PoE Settings   | PoE Global Info        |
|                | PoE Basic Settings     |
|                | PD Alive               |
| ONVIF          | ONVIF Detect           |
| Cloud Settings | Cloud Settings         |

# WI-PCES306G

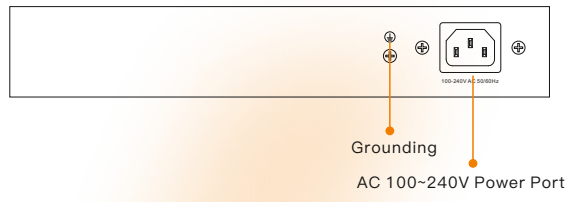
## Dimensions (mm)



## Front Panel



## Side Panel



# Package Contents

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

| Items                    | Quantity |
|--------------------------|----------|
| Switch                   | 1 pcs    |
| Mounting Accessories     | 1 pcs    |
| AC Power Cord            | 1 pcs    |
| Quick installation guide | 1 pcs    |



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Technical Support



Cloud Management



Company Website