

# Cloud Easy Smart Outdoor PoE Switch

WI-PCES206-O | WI-PCES210G-O



## Overview

Wi-Tek Cloud Easy Smart Outdoor PoE Switch is designed to address the unique challenges of variable weather environments. Wi-Tek Outdoor PoE Switch, a cost-effective, all-in-one solution for your outdoor CCTV systems, designed with 4/8 PoE output PoE ports, the IP camera, and other PoE-powered devices can be powered up and transmit data by one Ethernet cable, which shortens the construction period and cost.

This series of switches supports cloud management where you can remotely manage your devices in the cloud platform/mobile app, providing you with intelligent, simple, and easy-to-maintain management measures. Users can view the network status, modify the configuration, and troubleshoot at home anytime.

## Features

### 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 through your phone or computer anytime, anywhere.

(Note: The Eweb channel tunnel 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.)

### IP65 Waterproof and Dustproof Enclosure Design

It adopts a high-weather-resistant shell and provides dustproof and waterproof capabilities. It can work normally in extreme environments as low as  $-30^{\circ}\text{C}$  and as high as  $60^{\circ}\text{C}$ , without fear of wind, sun, rain, and snow.

### Independent Intelligent DIP, Easy to Switch Functional Modes

DIP switch provides Extend mode(250m Long Range), VLAN mode and PD Alive mode. No configuration is needed, quick provision and more flexible project adaptation.

# Specifications



|                         |                                                                                                                                                                          |                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Model                   | WI-PCES206-O                                                                                                                                                             | WI-PCES210G-O                                    |
| Hardware Version        | V1                                                                                                                                                                       | V1                                               |
| Interfaces              |                                                                                                                                                                          |                                                  |
| Downlink Port           | 4*10/100Mbps RJ45 PoE Ports                                                                                                                                              | 8*10/100Mbps RJ45 PoE Ports                      |
| Uplink Port             | 2*10/100Mbps Ethernet Ports                                                                                                                                              | 2*10/100/1000Mbps Ethernet Ports                 |
| PoE                     |                                                                                                                                                                          |                                                  |
| PoE Port                | Port 1-4                                                                                                                                                                 | Port 1-8                                         |
| PoE Standard            | Port 1-2: Hi-PoE 45W<br>Port 3-4: 802.3af/at 30W                                                                                                                         | Port 1-2: Hi-PoE 45W<br>Port 3-8: 802.3af/at 30W |
| PoE Pin Assignment      | 1/2(+), 3/6(-)                                                                                                                                                           |                                                  |
| PoE Power Budget        | 60 W                                                                                                                                                                     | 100 W                                            |
| Performance             |                                                                                                                                                                          |                                                  |
| Flash                   | Flash: 16MB                                                                                                                                                              |                                                  |
| Switch Property         |                                                                                                                                                                          |                                                  |
| Standards and Protocols | IEEE 802.3 (Ethernet)<br>IEEE 802.3u (Fast Ethernet)<br>IEEE 802.3ab (Gigabit Ethernet)<br>IEEE 802.3af (Power over Ethernet)<br>IEEE 802.3at (Power over Ethernet Plus) |                                                  |
| Forwarding Mode         | Store and Forward                                                                                                                                                        |                                                  |
| Switching Capacity      | 1.2Gbps                                                                                                                                                                  | 5.6Gbps                                          |
| Packet Forwarding Rate  | 0.89Mpps                                                                                                                                                                 | 4.17Mpps                                         |
| MAC Address Table       | 8k                                                                                                                                                                       | 4k                                               |
| Packet Buffer Memory    | 4Mbit                                                                                                                                                                    |                                                  |
| Jumbo Frame             | 9216Byte                                                                                                                                                                 |                                                  |

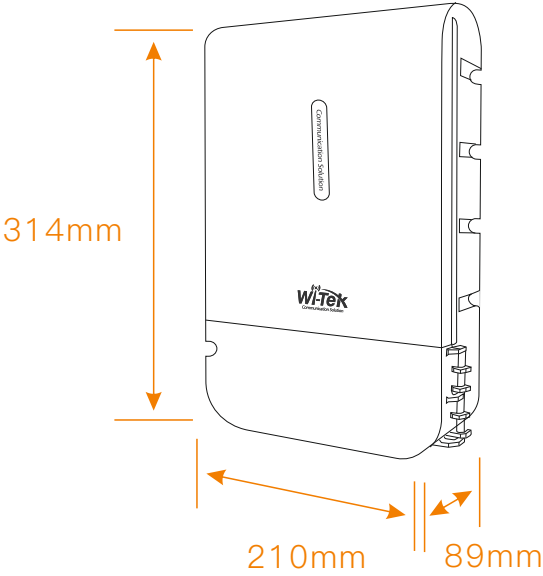
| Model                    | WI-PCES206-O                                                                                                                                                                                                                                                                                              | WI-PCES210G-O                                                                                      |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Power Supply             |                                                                                                                                                                                                                                                                                                           |                                                                                                    |
| Input Power              | 100~240V AC 50/60Hz                                                                                                                                                                                                                                                                                       |                                                                                                    |
| Power Consumption        | Idle: 2.7 W<br>100% Traffic Rate with PoE: 62.7 W                                                                                                                                                                                                                                                         | Idle: 2.4W<br>100% Traffic Rate with PoE: 102.4W                                                   |
| Physical Characteristics |                                                                                                                                                                                                                                                                                                           |                                                                                                    |
| LED Indicators           | <b>PWR(Orange)</b><br>On: The device power on is normal<br>Off: The device is power off or failed                                                                                                                                                                                                         | <b>PWR(Green)</b><br>On: The device power on is normal<br>Off: The device is power off or failed   |
|                          | <b>PoE(Orange)</b><br>On: PoE enabled<br>Off: PoE disabled                                                                                                                                                                                                                                                | <b>PoE(Orange)</b><br>On: PoE enabled<br>Off: PoE disabled                                         |
|                          | <b>Link(Orange)</b><br>On: Port connected<br>Off: Port disconnected<br>Blinking: Data transmission                                                                                                                                                                                                        | <b>Link(Orange)</b><br>On: Port connected<br>Off: Port disconnected<br>Blinking: Data transmission |
| Physical Characteristics |                                                                                                                                                                                                                                                                                                           |                                                                                                    |
| DIP Switch               | <b>1. Extend</b><br>The transmission distance of PoE Port can be up to 250m witch 10Mbps<br><b>2. VLAN</b><br>Each PoE port just can send data to Up-link port<br><b>3. PD Alive</b><br>All PoE ports enable PoE watchdog function, which can detect and reboot the offline compliant PoE powered devices |                                                                                                    |
| Reset                    | Hold for >5 sec. to restore factory default                                                                                                                                                                                                                                                               |                                                                                                    |
| Fan Quantity             | Fanless                                                                                                                                                                                                                                                                                                   |                                                                                                    |
| Switch Dimensions        | 314×210×89 mm                                                                                                                                                                                                                                                                                             | 314×210×89 mm                                                                                      |
| Package Dimensions       | 405×253×97 mm                                                                                                                                                                                                                                                                                             | 405×253×97 mm                                                                                      |

| Model                 |                | WI-PCES206-O                                                | WI-PCES210G-O          |
|-----------------------|----------------|-------------------------------------------------------------|------------------------|
| Weight                |                | Net Weight: 1.06kg                                          | Net Weight: 1.06kg     |
|                       |                | Package Weight: 1.77kg                                      | Package Weight: 1.77kg |
| Installation          |                | Wall-mounted, Pole-mounted                                  |                        |
| Environmental         |                |                                                             |                        |
| Reliability           | Surge Immunity | IEC 61000-4-5<br>Common mode 4kV<br>Differential mode 2kV   |                        |
|                       | ESD Protection | IEC 61000-4-2<br>Contact discharge 6kV<br>Air discharge 8kV |                        |
| Operating Environment |                | -30°C-60°C (-22°F-140°F); 10-90% RH non-condensing          |                        |
| Storage Environment   |                | -40°C-70°C (-40°F-158°F); 5-90% RH non-condensing           |                        |
| Certification         |                |                                                             |                        |
| Certification         |                | CE, FCC, RoHS, UKCA, RCM                                    |                        |

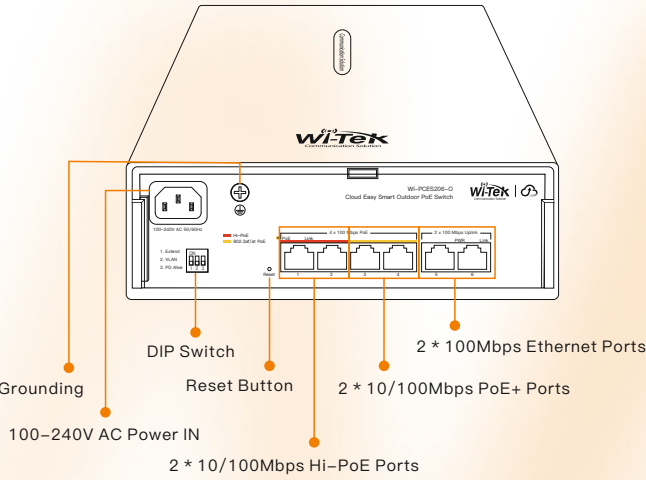
| Model               | WI-PCES206-O                                         | WI-PCES210G-O |
|---------------------|------------------------------------------------------|---------------|
| Software Features   |                                                      |               |
| System Settings     | IP Settings                                          |               |
|                     | User Management                                      |               |
|                     | Firmware Upgrade                                     |               |
|                     | Reset                                                |               |
|                     | Reboot                                               |               |
| Monitoring          | Port Statistics                                      |               |
|                     | Cable Diagnostics                                    |               |
| Switch Settings     | Port Mirroring                                       |               |
|                     | Port Isolation                                       |               |
|                     | Port Reboot                                          |               |
|                     | Jumbo Frame                                          |               |
|                     | MAC Search                                           |               |
|                     | Static MAC                                           |               |
|                     | MAC List                                             |               |
|                     | Storm Control                                        |               |
|                     | Bandwidth Control                                    |               |
| VLAN Settings       | Port-based 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-PCES206-O

Dimensions (mm)

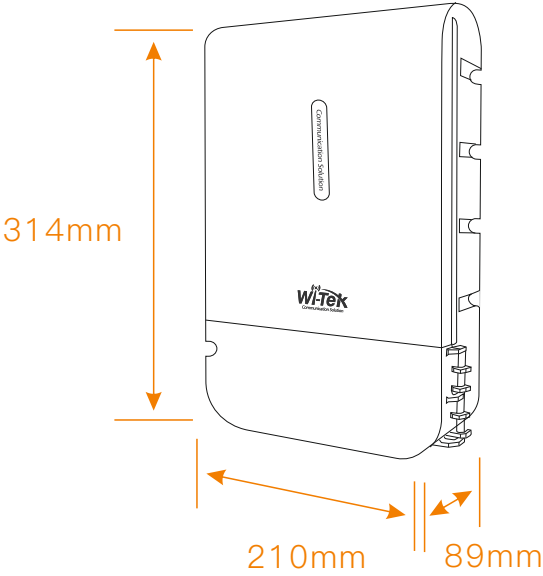


Back Panel

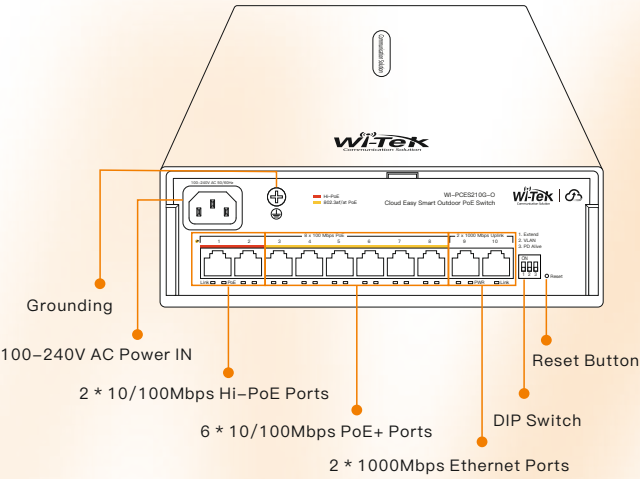


WI-PCES210G-O

Dimensions (mm)



Back Panel



# Package Contents

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

| Items                            | Quantity |
|----------------------------------|----------|
| Switch                           | 1 pcs    |
| Rubber Plug                      | 2 pcs    |
| Wall Hanging Positioning Sticker | 1 pcs    |
| Power Cord                       | 1 pcs    |
| Metal Tie Accessory              | 2 pcs    |
| Quick Installation Guide         | 1 pcs    |
| M36 Waterproof Gland(Optional)   | 2 pcs    |



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Technical Support



Cloud Management



Company Website