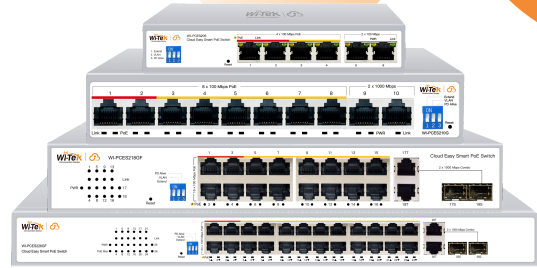


# Cloud Easy Smart 250m PoE Switch



WI-PCES206 | WI-PCES210G | WI-PCES218GF |  
WI-PCES226GF

## Overview

Wi-Tek Cloud Easy Smart 250m PoE Switch provides 4/8/16/24 100Mbps PoE ports, some PoE ports can reach up to 90W output, suitable for powering high-power PD, which can fulfill the demand for sufficient PoE power for HD IP surveillance. It offers an easy-to-use, reliable, intelligent power solution for CCTV networks.

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 Easy Smart 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 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

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

### Support ONVIF Detect

Automatically detect the ONVIF cameras on the same network subnet.

### 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                                                                                                                                                               | WI-PCES210G                                      | WI-PCES218GF                                                             | WI-PCES226GF                                                             |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Hardware Version        | V1                                                                                                                                                                       | V1                                               | V1                                                                       | V1                                                                       |
| Hardware Features       |                                                                                                                                                                          |                                                  |                                                                          |                                                                          |
| Interfaces              |                                                                                                                                                                          |                                                  |                                                                          |                                                                          |
| Downlink Port           | 4*10/100Mbps<br>RJ45 PoE Ports                                                                                                                                           | 8*10/100Mbps<br>RJ45 PoE Ports                   | 16*10/100Mbps<br>RJ45 PoE Ports                                          | 24*10/100Mbps<br>RJ45 PoE Ports                                          |
| Uplink Port             | 2*10/100Mbps<br>Ethernet Ports                                                                                                                                           | 2*10/100/1000Mbps<br>Ethernet Ports              | 2*1000Mbps Combo SFP                                                     | 2*1000Mbps Combo SFP                                                     |
| PoE                     |                                                                                                                                                                          |                                                  |                                                                          |                                                                          |
| PoE Port                | Port 1–4                                                                                                                                                                 | Port 1–8                                         | Port 1–16                                                                | Port 1–24                                                                |
| 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 | Port 1–4: 802.3bt 90W<br>Port 5–16: 802.3af/at 30W                       | Port 1–4: 802.3bt 90W<br>Port 5–24: 802.3af/at 30W                       |
| PoE Pin Assignment      | 1/2(+), 3/6(–)                                                                                                                                                           |                                                  | Port 1–4: 1/2(+), 3/6(–),<br>4/5(–), 7/8(+)<br>Port 5–16: 1/2(+), 3/6(–) | Port 1–4: 1/2(+), 3/6(–),<br>4/5(–), 7/8(+)<br>Port 5–24: 1/2(+), 3/6(–) |
| POE Power Budget        | 60W                                                                                                                                                                      | 100W                                             | 250W                                                                     | 280W                                                                     |
| Performance             |                                                                                                                                                                          |                                                  |                                                                          |                                                                          |
| 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                                          | 7.2Gbps                                                                  | 8.8Gbps                                                                  |
| Packet Forwarding Rate  | 0.89Mpps                                                                                                                                                                 | 4.17Mpps                                         | 5.36Mpps                                                                 | 6.56Mpps                                                                 |



| Model                    | WI-PCES206                                                                                                                                                                                                                                                                                                                                                                              |                                                   | WI-PCES210G                                        | WI-PCES218GF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | WI-PCES226GF |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| MAC Address Table        | 8k                                                                                                                                                                                                                                                                                                                                                                                      |                                                   | 4k                                                 | 8k                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8k           |
| Packet Buffer Memory     | 4Mbit                                                                                                                                                                                                                                                                                                                                                                                   |                                                   |                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |
| Jumbo Frame              | 9216Byte                                                                                                                                                                                                                                                                                                                                                                                |                                                   |                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |
| 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: 2.4 W<br>100% Traffic Rate with PoE: 102.4W | Idle: 3.7 W<br>100% Traffic Rate with PoE: 253.7 W | Idle: 5.1 W<br>100% Traffic Rate with PoE: 285 W                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |
| Physical Characteristics |                                                                                                                                                                                                                                                                                                                                                                                         |                                                   |                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |
| LED Indicators           | <p><b>PWR(Green)</b></p> <p>On: the device power on is normal<br/>Off: the device is power off or failed</p> <p><b>PoE(Orange)</b></p> <p>On: There is a PoE PD connected to be port, which supply power successfully<br/>Off: No PoE powered device (PD) connected</p> <p><b>Link(Orange)</b></p> <p>On: Port connected<br/>Off: Port disconnected<br/>Blinking: Data transmission</p> |                                                   |                                                    | <p><b>PWR(Green)</b></p> <p>On: the device power on is normal<br/>Off: the device is power off or failed</p> <p><b>Link(Grenn)</b></p> <p>On: Port connected<br/>Off: Port disconnected<br/>Blinking: Data transmission</p> <p><b>PoE(Orange)</b></p> <p>On: There is a PoE PD connected to be port, which supply power successfully<br/>Off: No PoE powered device (PD) connected</p> <p><b>PoE Max(Green)</b></p> <p>When total PoE output power &gt; Power Budget * 80%, the LED light will be on</p> |              |
| Buttons                  |                                                                                                                                                                                                                                                                                                                                                                                         |                                                   |                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |
| DIP Switch               | <p>1. Extend</p> <p>The transmission distance of PoE Port can be up to 250m with 10Mbps</p> <p>2. VLAN</p> <p>Enable Port isolation, each PoE port just can send data to uplink port</p> <p>3. PD Alive</p> <p>All PoE ports enable PoE Alive function, which can detect and reboot the offline compliant PoE powered devices</p>                                                       |                                                   |                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |



| Model                 |                | WI-PCES206                                                  | WI-PCES210G            | WI-PCES218GF            | WI-PCES226GF            |
|-----------------------|----------------|-------------------------------------------------------------|------------------------|-------------------------|-------------------------|
| Reset                 |                | Hold for >5 sec. to restore factory configuration           |                        |                         |                         |
| Fan Quantity          |                | Fanless                                                     | 1                      | 1                       | 2                       |
| Switch Dimensions     |                | 169×95×32 mm                                                | 169×95×32 mm           | 220.0×150.0×44 mm       | 440*207*44mm            |
| Package Dimensions    |                | 193.0×203.0×62.0 mm                                         | 195.0×201.0×62.0 mm    | 315.0×202.0×82.0 mm     |                         |
| Weight                |                | Net Weight: 0.48 kg                                         | Net Weight: 0.48 kg    | Net Weight: 1.81 kg     | Net Weight: 2.74 kg     |
|                       |                | Package Weight: 0.821kg                                     | Package Weight: 0.78kg | Package Weight: 2.44 kg | Package Weight: 3.39 kg |
| Installation          |                | Wall-mounted/ Desktop                                       |                        | Desktop/ Rack-mount     |                         |
| 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 |                | -10°C-50°C (14°F-122°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 | WI-PCES210G | WI-PCES218GF | WI-PCES226GF |
|-------------------|-------------------|------------|-------------|--------------|--------------|
| 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 |            |             |              |              |



|                     |                                                      |             |              |              |
|---------------------|------------------------------------------------------|-------------|--------------|--------------|
| Model               | WI-PCES206                                           | WI-PCES210G | WI-PCES218GF | WI-PCES226GF |
| 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                  |             |              |              |