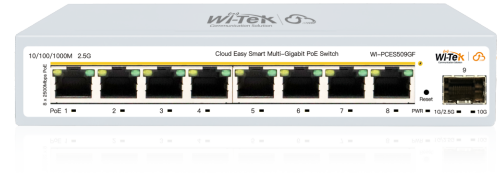# Cloud Easy Smart Multi-Gigabit PoE Switch

WI-PCES509GF



## Overview

Wi-Tek Cloud Easy Smart Multi-Gigabit PoE Switch offer 8 10M/100M/1000M/2.5Gbps RJ45 PoE+ ports and 1 10GE SFP+ Slot. The 2.5 Gigabit interface ensures high-speed data transmission and is backward compatible with gigabit products, reserving space for network upgrades and ensuring network stability and adaptability.With 10GE uplinks, overcoming GE limitations, supporting diverse access types, and enabling integration into 10GE networks.

Wi-Tek Cloud Easy Smart Multi-Gigabit Ethernet 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, etc. Users can easily use it without professional IT operation and maintenance. Cloud Easy Smart Multi-Gigabit Ethernet Switch is the best choice for CCTV and SMB network solutions.

## Features

### 2.5GE Downlink, Overcoming GE Limitations

Multi-Gigabit access and 10GE uplink design, overcoming GE limitations, supporting diverse access devices, and enabling integration into 10GE networks.

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

(Note: The Eweb 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.)

### Support Magnetic/Wall Mount Installation

This series of switches supports a variety of installation methods to improve installation flexibility, and can usually be magnetically attached to the cabinet to save space.

# Specifications
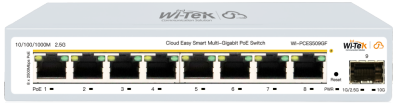


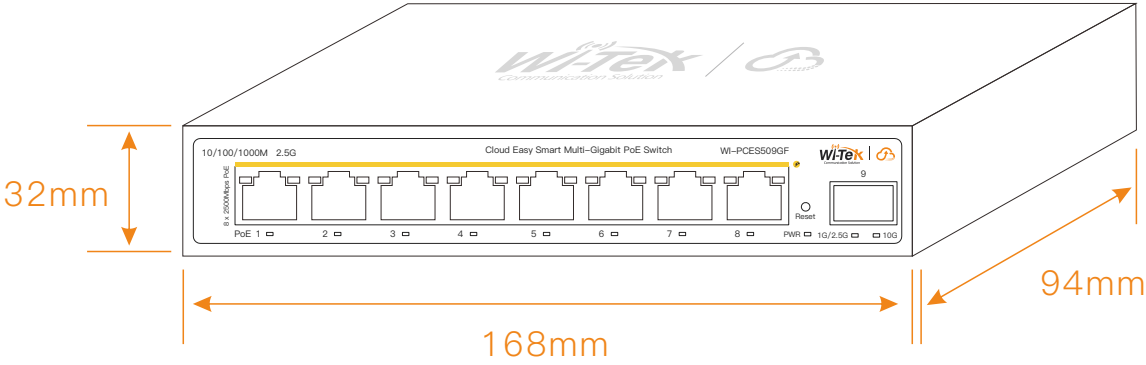| Model | WI–PCES509GF |
|---|---|
| Hardware Version | V1 |
| **Interfaces** | |
| Downlink Port | 8*10M/100M/1000M/2.5Gbps RJ45 Ports |
| Uplink Port | 1*1000M/2.5G/10Gbps SFP Slot |
| **PoE** | |
| PoE Port | Port 1–8: 802.3af/at |
| **PoE Standard** | |
| PoE Pin Assignment | 1/2(+), 3/6(–) |
| PoE Power | 30W max for each port, 130W Max. (PoE power budget) |
| **Performance** | |
| Memory and Flash | Memory:8KB<br>Flash:16MB |
| **Switch Property** | |
| Switching Capacity | 60Gbps |
| Packet Forwarding Rate | 44.64Mpps |
| MAC Address Table | 4k |
| Packet Buffer Memory | 8Mbit |
| Jumbo Frame | 12KByte |
| **Power Supply** | |
| Input Power | DC 55V 2.8A Max |
| Power Consumption | Idle: 6.64 W<br>100% Traffic Rate with PoE: 137 W |

| Model | WI–PCES509GF |
|---|---|
| **Physical Characteristics** | |
| LED Indicators | **PWR**<br>Green on: The device power on is normal<br>Off: The device is power off or failed<br><br>**Link**<br>Green on: Port is connected at 2.5Gbps rate<br>Orange on: Port is connected at 10/100/1000Mbps rate<br>Blinking: Data transmission<br>Off: Port disconnected<br><br>**PoE**<br>Orange on: PoE enabled<br>Off: PoE disabled<br><br>**SFP Indicator(Port 9)**<br>1Gbps/2.5Gbps<br>On: Port is connected at 1G/2.5Gbps rate<br>Off: Port disconnected or the port is not connected at 1Gbps/2.5Gbps<br>10Gbps<br>On: Port is connected at 10Gbps rate<br>Off: Port disconnected or the port is not connected at 10Gbps |
| **Buttons** | |
| Reset | Hold for >5 sec. to restore factory default |
| Fan Quantity | Fanless |
| Switch Dimension(L*W*H) | 168*94*32mm |
| Package Dimensions | 405*253*97 mm |

| Model | WI–PCES509GF |
|---|---|
| Weight | Net Weight: 0.48kg |
| | Package Weight: 0.91kg |
| Installation | Wall–mount, Magnetic mount, Desktop |
| 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℃–50℃ (14℉–122℉); 10–90% RH non–condensing |
|---|---|
| Storage Environment | –40℃–70℃ (–40℉–158℉); 5—90% RH non–condensing |
| Certification | |
| Certification | CE, FCC, RoHS, UKCA, RCM |

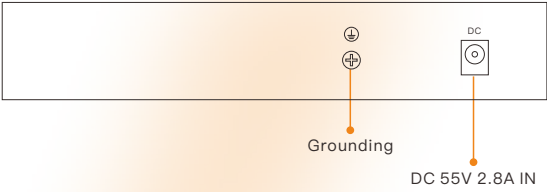| Model | WI–PCES509GF |
| --- | --- |
| **Software Features** | |
| System Settings | IP Settings |
| | User Management |
| | Firmware Upgrade |
| | Reset |
| | Reboot |
| Monitoring | Port Statistics |
| | Cable Diagnostics |
| Switch Settings | Port Mirroring |
| | Port Isolation |
| | Port Reboot |
| | 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-PCES509GF

### Dimensions (mm)

32mm

168mm

94mm

### Front Panel

8*10M/100M/1000M/2.5Gbps RJ45 Ports

LED Indicator

Reset button

1*1000M/2.5G/10Gbps SFP Slot

### Side Panel

Grounding

DC 55V 2.8A IN
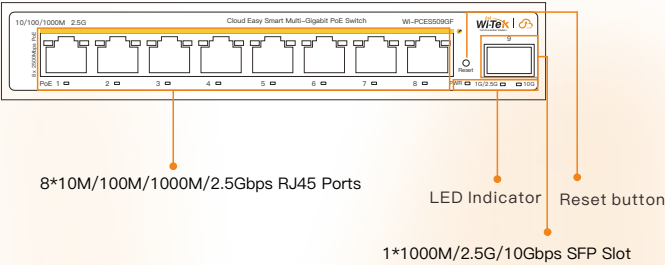
# Package Contents

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

| Items | Quantity |
| --- | --- |
| Switch | 1 pcs |
| Power Adapter | 1 pcs |
| Magnetic Accessory | 4 pcs |
| Quick Installation Guide | 1 pcs |

CE FC RoHS UKCA

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

Tel:86–0755–32811290

Email:sales@wireless–tek.com

Technical Support:tech@wireless–tek.com

Technical Support          Cloud Management          Company Website