# Datasheet



# Cloud Easy Smart Gigabit PoE Switch



WI-PCES310G | WI-PCES320GFH | WI-PCES328GFH

# Overview

Wi-Tek Cloud Easy Smart Gigabit 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, IGMP Snooping for effectively prevent L2 flooding of multicast data and improve network performance etc. Users can easily use it without professional IT operation and maintenance. Wi-Tek Cloud Easy Smart Gigabit 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.)

# **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 by Wi-Tek cloud planform, making your operation and maintenance easier.

### **Automatic Loop Prevention**

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.

# **Specifications**







|                         | - Gilic  |   |   |
|-------------------------|--|---|---|
| Model                   | WI-PCES310G  | WI-PCES320GFH   | WI-PCES328GFH   |
| Interfaces              |  |   |   |
| Downlink Ports          | 8*10/100/1000Mbps<br>RJ45 ports  | 16*10/100/1000Mbps<br>RJ45 PoE Ports  | 24*10/100/1000Mbps<br>RJ45 PoE Ports                    |
| Uplink Ports            | 2*10/100/1000Mbps<br>RJ45 ports  | 2*10/100/1000Mbps<br>RJ45 Ports<br>2*1000Mbps SFP Slots   | 2*10/100/1000Mbps<br>RJ45 Ports<br>2*1000Mbps SFP Slots |
| PoE                     |  |   |   |
| PoE Port                | Port 1–8   | Port 1– 16  | Port 1- 24  |
| PoE Standard            | IEEE 802.3af/at  | IEEE 802.3af/at   |   |
| PoE Pin Assignment      | 1/2(+), 3/6(-); 4/5(+), 7/8(-)   |   |   |
| PoE Power               | 30W max for each port,<br>110W max. (PoE power budget)                                     | 30W max for each port,<br>130W max. (PoE power budget)  | 30W max for each port,<br>235W max. (PoE power budget)  |
| Performance             |  |   |   |
| Flash                   | 16MB   |   |   |
| Switch Property         |  |   |   |
| Standards and Protocols | IEEE 802.3, IEEE 802.3ab, IEEE 802.3u, IEEE 802.3x, IEEE 802.1q, IEEE802.3af, IEEE802.3at, | IEEE802.3, IEEE802.3z, IEEE802.3u, IEEE802.3az, IEEE802.3ab, IEEE802.3af, IEEE802.3x, IEEE802.3at, IEEE 802.1q, |   |
| Forwarding Mode         | Store and Forward  |   |   |
| Switching Capacity      | 20Gbps   | 40Gbps  | 56Gbps  |
| Packet Forwarding Rate  | 14.88Mpps  | 29.76Mpps   | 41.67Mpps   |
| MAC Address Table       | 8k   |   |   |
| Packet Buffer Memory    | 4.1Mbit  |   |   |
| Jumbo Frame             | 15KBytes   |   |   |

| Model                    | WI-PCES310G                    | WI-PCES320GFH                    | WI-PCES328GFH                   |
|--------------------------|--------------------------------|----------------------------------|---------------------------------|
| Power Supply             |                                |                                  |                                 |
| Input Power              | AC 100-240V 50/60Hz            |                                  |                                 |
| Power Consumption        | Idle: 7W                       | Idle: 8W                         | Idle: 10W                       |
|                          | 100% Traffic Rate with         | 100% Traffic Rate with           | 100% Traffic Rate with          |
|                          | PoE: 117W                      | PoE: 138W                        | PoE: 245W                       |
| Physical Characteristics |                                |                                  |                                 |
|                          | PWR(Green)                     | PWR(Green)                       | PWR(Green)                      |
|                          | On: The switch is powered on   | Solid on: The power              | Solid on: The power             |
|                          | Off: The switch is powered off | supply is normal                 | supply is normal                |
|                          | or power supply is abnormal    | Off: The system power supply     | Off: The system power           |
|                          | PoE(Yellow)                    | is abnormal                      | supply is abnormal              |
|                          | On: PoE enabled                | PoE(Yellow)                      | PoE(Yellow)                     |
|                          | Off: PoE disabled              | On: PoE enabled                  | On: PoE enabled                 |
|                          | Link                           | Off: PoE disabled                | Off: PoE disabled               |
|                          | On: Port connected             | Link(Port 1–18)                  | Link(Port 1-26)                 |
| I ED la dia atawa        | Off: Port disconnected         | Orange on: The port is connected | Orange on: The port is connecte |
| LED Indicators           | Blinking: Data transmission    | with 10/100Mbps speed            | with 10/100Mbps speed           |
|                          |                                | Green on: The port is connected  | Green on: The port is connected |
|                          |                                | with 1000Mbps speed              | with 1000Mbps speed             |
|                          |                                | Blinking: Data transmission      | Blinking: Data transmission     |
|                          |                                | Off: Port disconnected           | Off: Port disconnected          |
|                          |                                | Link(Port 19-20)                 | Link(Port 27-28)                |
|                          |                                | Green on: The port is connected  | Green on: The port is connected |
|                          |                                | with 1000Mbps speed              | with 1000Mbps speed             |
|                          |                                | Blinking: Data transmission      | Blinking: Data transmission     |
|                          |                                | Off: Port disconnected           | Off: Port disconnected          |
| Fan Quantity             | Fanless                        | 2                                |                                 |
| Switch Dimensions        | 280*180*44mm                   | 440*270.8*44mm                   | 440*270.8*44mm                  |
| Package Dimensions       | 438*245*77mm                   | 555*295*88mm                     | 555*295*88mm                    |
| Weight                   | Net Weight: 1.40kg             | Net Weight: 2.27kg               | Net Weight: 2.52kg              |
| Weight                   | Package Weight: 2.12kg         | Package Weight: 3.33kg           | Package Weight: 3.58kg          |
| Installation             | Desktop, Rack-mounted          |                                  |                                 |

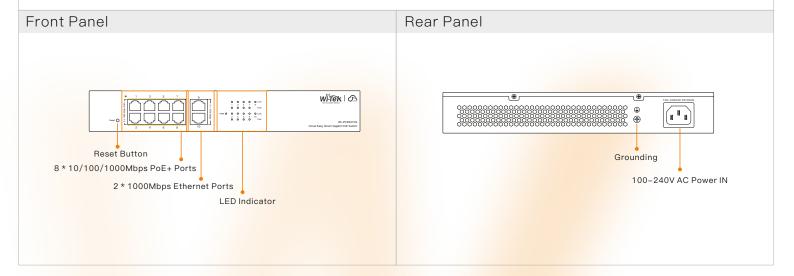
| Model                             |                | WI-PCES310G  | WI-PCES320GFH            | WI-PCES328GFH |
|-----------------------------------|----------------|--|--------------------------|---------------|
| Button                            |                |  |                          |               |
| Reset                             |                | Hold for >5 sec. to restore factory default                            |                          |               |
| Environmer                        | ntal           |  |                          |               |
| Reliability                       | Surge Immunity | IEC 61000-4-5  Common mode ±4kV  Differential mode ±2kV  IEC 61000-4-2 |                          |               |
|                                   | ESD Protection | Contact discharge ±6kV  Air discharge ± 8kV                            |                          |               |
| Operating E                       | Environment    | -10°C to 50°C(14°F to 122°F); 10°                                      | %~90% RH no condensation |               |
| Storage Environment -40°C to 70°C |                | -40°C to 70°C(-40°F to 158°F); 5                                       | %~95% RH no condensation |               |
| Certificatio                      | n              |  |                          |               |
| Certificatio                      | n              | CE, FCC, RoHS, UKCA, RCM   |                          |               |

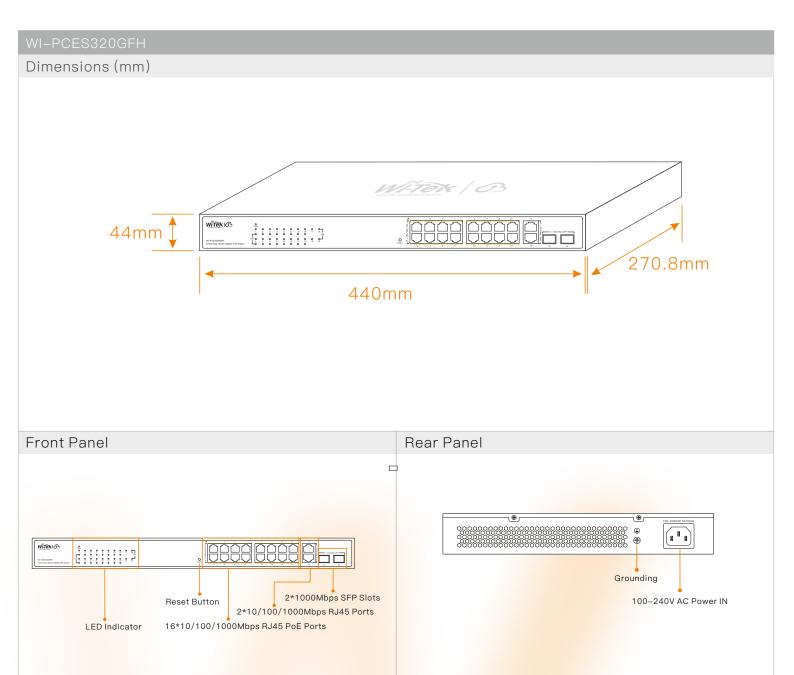
| Model             | WI-PCES310G       | WI-PCES320GFH | WI-PCES328GFH |
|-------------------|-------------------|---------------|---------------|
| Software Features |                   |               | ·             |
| System Settings   | Device Info       |               |               |
|                   | IP Setting        |               |               |
|                   | User management   |               |               |
|                   | Upgrade           |               |               |
|                   | Backup Restore    |               |               |
|                   | Device Management |               |               |
|                   | Port Statistics   |               |               |
| Monitoring        | Ping Test         |               |               |
|                   | Loop Guard        |               |               |
|                   | Port Settings     |               |               |
|                   | Port Aggregation  |               |               |
|                   | Port Mirroring    |               |               |
| Outtob Outton     | Jumbo Frame       |               |               |
| Switch Settings   | IGMP Snooping     |               |               |
|                   | MAC Manage        |               |               |
|                   | LLDP Config       |               |               |
|                   | LLDP Neighbor     |               |               |
|                   | MTU VLAN*         |               |               |
| VLAN Settings     | Port-based VLAN*  |               |               |
|                   | 802.1Q VLAN       |               |               |
| QOS Settings      | Port Rate         |               |               |
|                   | Storm Control     |               |               |
|                   | QoS Basic         |               |               |
|                   | QoS Advanced      |               |               |
| Dol Cotting       | PoE               |               |               |
| PoE Setting       | PD Alive          |               |               |
| Onvif             | Onvif Detect      |               |               |
| Cloud Settings    | Cloud Settings    |               |               |

Note: As the cloud platform only supports 802.1Q VLAN, when MTU VLAN or Port-based VLAN functions need to be enabled, the cloud management function needs to be disabled first.

# Dimensions (mm) 44mm Out Instruction Countries Instruction Out Instruction Countries Instruction Out Instruction Countries Instruction 180mm

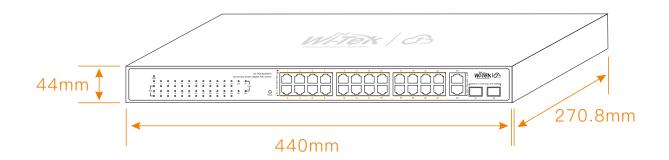
280mm



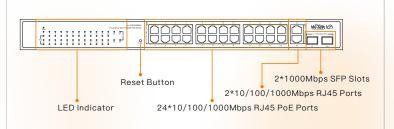


### WI-PCES328GFH

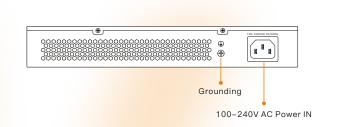
# Dimensions (mm)



### Front Panel



# Rear Panel



# **Package Contents**

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

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

# CERE A K ROHS

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Cloud Management



Company Website

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