

Wi-Tek Cloud Easy Smart  
SC Fiber Switch  
WEB User Manual

[www.wireless-tek.com](http://www.wireless-tek.com)

## This manual applies to the following switch models

model	Interface
WK-CES314-4A4B	4*10/100/1000Mbps RJ45 Ports, 4*1.25Gbps SC/UPC A Ports, 4*1.25Gbps SC/UPC B Ports, 2*1000Mbps SFP Slots
WK-PCES306-1A1B-H	4*10/100/1000Mbps RJ45 PoE Ports, 1*1.25Gbps SC/UPC A Ports, 1*1.25Gbps SC/UPC B Ports
WK-PCES310-1A1B-H	8*10/100/1000Mbps RJ45 PoE Ports, 1*1.25Gbps SC/UPC A Ports, 1*1.25Gbps SC/UPC B Ports




Copyright notice

Disclaimers

Preface

### Reader object

This document is suitable for the following people

-  Network Engineer
-  Technical Promotion Personnel
-  Network Administrator

### Technical Support

-  Website: <https://www.wireless-tek.com/support.php>

### Agreement in this book

#### 1. Command line format Convention

The meaning of the command line format is as follows:

**Bold:** the command line keywords (the parts that must be input as they remain unchanged in the command) are expressed in bold font.

*Italics:* command line parameters (parts of the command that must be replaced by actual values) are expressed in italics.



[ ]: indicates the part enclosed by [ ], which is optional during command configuration.

{ x | y | ... } : Indicates that one of two or more options is selected.

[ x | y | ... ] : Indicates to select one or none of two or more options.

//: a line starting with a double slash is represented as a comment line.

#### 2. Description

-  Some port types illustrated in this manual may be inconsistent with the actual situation. In actual operation, it is necessary to configure according to the port types supported by each product.
-  The display information illustrated in this manual may contain the contents of other product series (such as product model, description, etc.), and the specific display information shall be subject to the actual equipment information.

## Content

1 Overview .....	4
2 Configuration Guide .....	4
2.1 Power .....	4
Connecting to Power .....	4
2.2 Connecting to the Network .....	4
2.3 Starting the Web-based Configuration Utility .....	5
2.4 Logging In .....	6
2.5 Web-based Switch Configuration .....	7
3 Web Smart Configuration .....	8
3.1 System Settings .....	8
3.2 Switch Settings .....	10
3.2.1 Port Settings .....	10
3.2.3 Storm Control .....	11
3.2.4 Port Mirroring .....	11
3.2.6 Port Bandwidth Control .....	12
3.2.7 Link Aggregation .....	13
3.2.8 Loop Guard .....	13
3.2.9 Search MAC .....	14
3.2.10 Static/Filter MAC .....	14
3.2.11 Mac Table .....	15
3.2.12 Alarm .....	15
3.3 VLAN Settings .....	15
3.3.1 VLAN Member .....	15
3.3.2 VLAN Settings .....	16
3.4 LLDP Management .....	16
3.4.1 LLDP Configuration .....	16
3.4.2 LLDP Neighbor Information .....	17
3.5 PoE Settings .....	18
3.5.1 PoE Settings .....	18
3.6 ONVIF .....	18
3.6.1 Onvif Detect .....	18
3.7 Cloud Settings .....	19
3.7.1 MQTT Client .....	19
3.7.2 Wi-tek Devices Discovery Table .....	19
4 Frequently Asked Questions .....	20

# Web Smart Function Configuration

## 1 Overview

Web Smart refers to the device web management system, that is, the web management system that manages or configures the device, and manages the device by accessing Web Smart using a browser (such as Chrome).

Web management includes two parts: Web server and Web client. The Web server is integrated on the device to receive and process the requests sent by the client and return the processing results to the client. The Web client usually refers to the browser, such as Chrome, IE and FireFox.

## 2 Configuration Guide

This section provides an introduction to the web-based configuration utility, and covers the following topics:

- Powering on the device
- Connecting to the network
- Starting the web-based configuration utility

### 2.1 Power

Connecting to Power



Power down and disconnect the power cord before servicing or wiring a switch.



Do not disconnect modules or cabling unless the power is first switched off. The device only supports the voltage outlined in the type plate. Do not use any other power components except those specifically designated for the switch.



Disconnect the power cord before installation or cable wiring.

### 2.2 Connecting to the Network

To connect the switch to the network:

1. Connect an Ethernet cable to the Ethernet port of a computer
2. Connect the other end of the Ethernet cable to one of the numbered Ethernet ports of the switch. The LED of the port lights if the device connected is active.
3. Repeat Step 1 and Step 2 for each device to connect to the switch.

We strongly recommend using CAT-5E or better cable to connect network devices. When connecting network devices, do not exceed the maximum cabling distance of 100 meters (328 feet). It can take up to one minute for attached devices or the LAN to be operational after it is connected. This is normal behavior.

Connect the switch to end nodes using a standard Cat 5/5e Ethernet cable (UTP/STP) to connect the switch to end nodes as shown in the illustration below.

Switch ports will automatically adjust to the characteristics (MDI/MDI-X, speed, duplex) of the device to which the switch is connected.

## 2.3 Starting the Web-based Configuration Utility

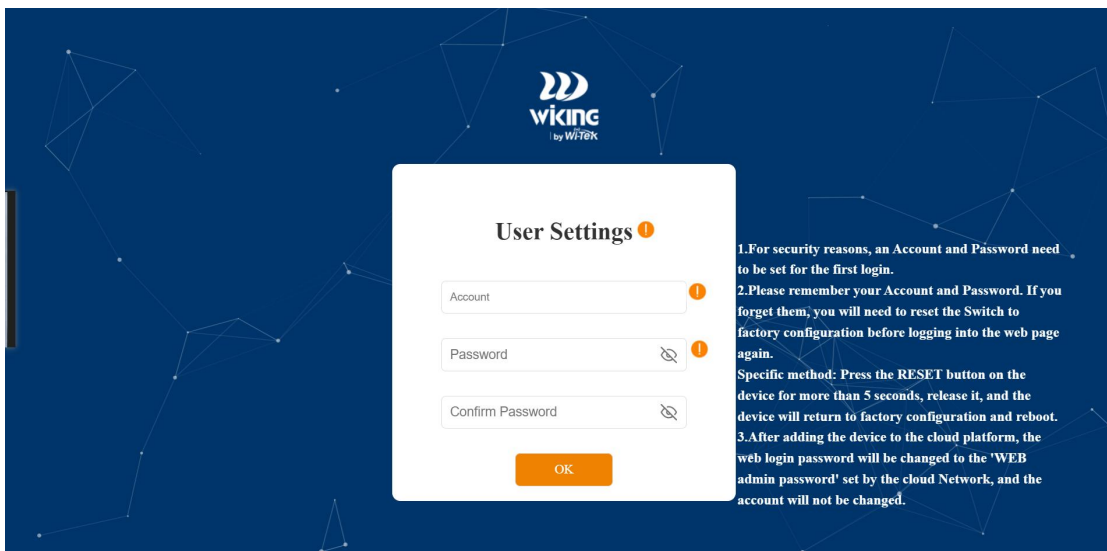
This section describes how to navigate the web-based switch configuration utility. Be sure to disable any pop-up blocker.

### Launching the Configuration Utility

To open the web-based configuration utility:

1. Open a Web browser.
2. Enter the IP address of the device you are configuring in the address bar on the browser (factory default IP address is 192.168.0.1) and then press Enter.

After a successful connection, the login window display.



**wiking**  
by WITEX

### User Settings 1

Account 1

Password 1

Confirm Password

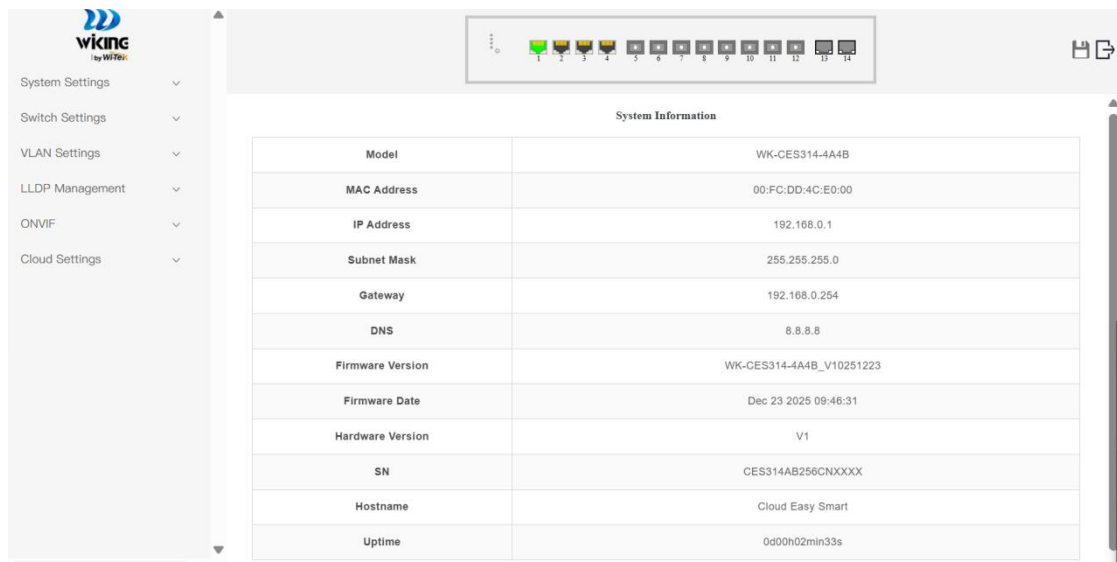
OK

1. For security reasons, an Account and Password need to be set for the first login.  
2. Please remember your Account and Password. If you forget them, you will need to reset the Switch to factory configuration before logging into the web page again.  
3. After adding the device to the cloud platform, the web login password will be changed to the 'WEB admin password' set by the cloud Network, and the account will not be changed.

## 2.4 Logging In

In the factory state, the first login requires setting an account and password.  
To log in to the device configuration utility:

1. Enter the set account and the set password.
2. When the login attempt is successful, the System Information window displays.



The screenshot displays the Wicac configuration utility interface. On the left is a sidebar with navigation options: System Settings, Switch Settings, VLAN Settings, LLDP Management, ONVIF, and Cloud Settings. The main content area shows the 'System Information' page with a table of device details. At the top of the main area, there is a status bar with network port indicators (1-12) and a save icon.

System Information	
Model	WK-CES314-4A4B
MAC Address	00:FC:DD:4C:E0:00
IP Address	192.168.0.1
Subnet Mask	255.255.255.0
Gateway	192.168.0.254
DNS	8.8.8.8
Firmware Version	WK-CES314-4A4B_V10251223
Firmware Date	Dec 23 2025 09:46:31
Hardware Version	V1
SN	CES314AB256CNXXXX
Hostname	Cloud Easy Smart
Uptime	0d00h02min33s

If you entered an incorrect username or password, an error message appears and the Login page remains displayed on the window.

By default, the application logs out after five minutes of inactivity.

To logout, click Logout in the top right corner of any page. The system logs out of the device.

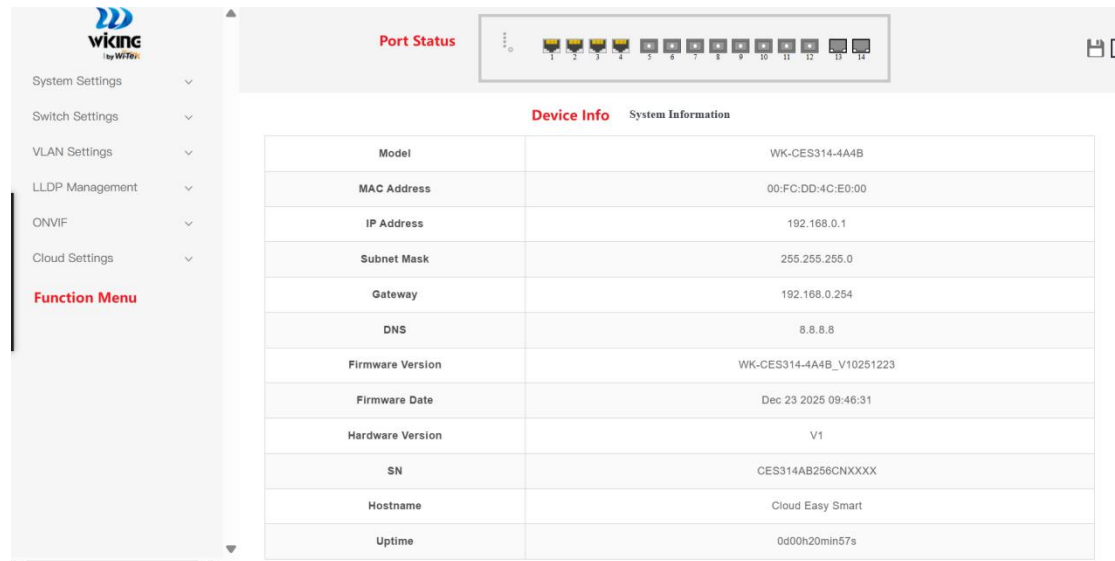
When a timeout occurs or you intentionally log out of the system, a message appears and

the Login page appears, with a message indicating the logged-out state. After you log in, the application returns to the initial page.

## 2.5 Web-based Switch Configuration

The Web smart switch software provides Layer 2 functionality for switches in your networks. This chapter describes how to use the web-based management interface (Web UI) to configure the switch's features.

For the purposes of this manual, the user interface is separated into three sections, as shown in the following figure:



As you can see, the page is divided into two parts:

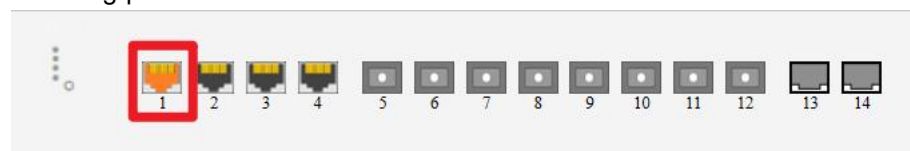
The left part is the menu bar, which displays the links of all configuration functions of the equipment, such as monitoring management and switch configuration module.

The right part is the content area, which is divided into upper and lower parts. The upper side is the port status bar, 《Save》 and 《Logout》 button, and the lower side is the page content presentation and configuration area.

Port Status Bar:

Move the mouse to the port to display the basic status of the port

When the port is connected with 10/100M speed, the port color is yellow, like in the following picture:



When the port is connected with 1000M speed, the port color is green, like in following picture:



# 3 Web Smart Configuration

## 3.1 System Settings

### 3.1.1 Device Info

The device info interface displays the basic information of the device.

System Information

Model	WK-CES314-4A4B
MAC Address	00:FC:DD:4C:E0:00
IP Address	192.168.0.1
Subnet Mask	255.255.255.0
Gateway	192.168.0.254
DNS	8.8.8.8
Firmware Version	WK-CES314-4A4B_V10251223
Firmware Date	Dec 23 2025 09:46:31
Hardware Version	V1
SN	CES314AB256CNXXXX
Hostname	Cloud Easy Smart
Uptime	0d01h30min16s

### 3.1.2 IP Settings

Configure device management IP (default static IP: 192.168.0.1)

IP Address Setting

DHCP Client	Enable
IP Address	192.168.0.1
Submask	255.255.255.0
Gateway	192.168.0.254
Auto Obtain DNS	Enable
DNS	8.8.8.8

Tips:

1. When configuring IP, the device will be disconnected briefly. If the automatic IP acquisition function is enabled, the configuration IP needs to be obtained from the upstream device. Then you can use the IP scanning tool to view the management IP.

### 3.1.3 User Management

Configure the user account information, including username and password

#### User Account Setting

New Username	<input type="text" value="Username"/>
New Password	<input type="password" value="Password"/>
Retype Password	<input type="password" value="Confirm Password"/>

Apply

#### Attention:

1. The Username consists of letters, numbers, and underscores, and must be between 5-16 characters.
2. The Password length must be between 6-16 characters. Password requirements include at least three types: uppercase letters, lowercase letters, numbers, and special characters. Characters can be <=>[!@#\$(\*)].

#### Tips:

1. The Username consists of letters, numbers, and underscores, and must be between 5-16 character.
2. The Password length must be between 6-16 characters. Password requirements include at least three types: uppercase letters, lowercase letters, numbers, and special characters. Characters can be <=>[!@#\$(\*)].

### 3.1.4 Firmware Upgrade

System firmware upgrade can be divided into **Local upgrade** and **Online upgrade**:

#### 1. Local upgrade

Click **«Select File»** and select the software package you want to upgrade in the pop-up file selection box (Decompress the package and select the bin file for upgrade.).

#### Firmware Upgrade

<input type="button" value="Choose File"/> No file chosen	<input type="button" value="Upgrade"/>
---	--

Please select the file and then click upgrade button

### 3.1.5 Configuration Backup

Click **«Backup»** to save the current configure file of the switch.

Click **«Select file»** and select the software package you want to upgrade in the pop-up file selection box. Click **«Restore»** to set up the switch configuration.

#### HTTP Backup Configuration

Backup

#### HTTP Restore Configuration

<input type="button" value="Choose File"/> No file chosen	<input type="button" value="Restore"/>
---	--

### 3.1.6 Reset

Click **«Factory Default»** to reset the equipment to factory default settings.

## Reset Configuration

Reset to default factory settings and restart the system.

Factory Default

Port	State	Speed/Duplex		Flow Control	
		Config	Actual	Config	Actual
Port 1	Enabled	Auto	Link Down	On	Off
Port 2	Enabled	Auto	Link Down	On	Off
Port 3	Enabled	Auto	Link Down	On	Off
Port 4	Enabled	Auto	Link Down	On	Off
Port 5	Enabled	Auto	100Full	On	On
Port 6	Enabled	Auto	Link Down	On	Off
Port 7	Enabled	Auto	Link Down	On	Off
Port 8	Enabled	Auto	Link Down	On	Off
Port 9	Enabled	Auto	Link Down	On	Off
Port 10	Enabled	Auto	Link Down	On	Off

Reboot

Click « Reboot » to restart the equipment.

## 3.2 Switch Settings

### 3.2.1 Port Settings

Port configuration can batch configure the status, speed, duplex, flow control of ports. The page is divided into two parts:

Configuration part:

Select the port to be configured, then select each attribute to be configured, and click « Save » to distribute the configuration.

Port	State	Speed/Duplex	Flow Control
Port 1	Enable	Auto	On
Port 2	Enable	Auto	On
Port 3	Enable	Auto	On
Port 4	Enable	Auto	On
Port 5	Enable	Auto	On
Port 6	Enable	Auto	On
Port 7	Enable	Auto	On
Port 8	Enable	Auto	On
Port 9	Enable	Auto	On
Port 10	Enable	Auto	On

Save

Display part:

Displays the configuration attributes and actual effective attributes of each port of the devices

Port	State	Speed/Duplex		Flow Control	
		Config	Actual	Config	Actual
Port 1	Enabled	1000 Full	1000Full	On	On
Port 2	Enabled	1000 Full	Link Down	On	Off
Port 3	Enabled	1000 Full	Link Down	On	Off
Port 4	Enabled	1000 Full	Link Down	On	Off
Port 5	Enabled	1000 Full	Link Down	On	Off
Port 6	Enabled	1000 Full	Link Down	On	Off
Port 7	Enabled	1000 Full	Link Down	On	Off
Port 8	Enabled	1000 Full	Link Down	On	Off
Port 9	Enabled	Auto	Link Down	On	Off
Port 10	Enabled	Auto	Link Down	On	Off

### 3.2.2 Port Statistics

The Port Statistics page displays the data statistics and status of the device port, such as the port sending and receiving rate, sending and receiving packets, etc.

Port Statistics Information

Port	State	Link Status	RxGoodPkt	RxBadPkt	TxGoodPkt	TxBadPkt
Port 1	Enabled	Link Down	0	0	0	0
Port 2	Enabled	Link Down	0	0	0	0
Port 3	Enabled	Link Down	0	0	0	0
Port 4	Enabled	Link Down	0	0	0	0
Port 5	Enabled	Link Up	15683	0	39561	0
Port 6	Enabled	Link Down	0	0	0	0
Port 7	Enabled	Link Down	0	0	0	0
Port 8	Enabled	Link Down	0	0	0	0
Port 9	Enabled	Link Down	0	0	0	0
Port 10	Enabled	Link Down	0	0	0	0

[Clear](#)

### 3.2.3 Storm Control

Select the port number, configured storm control type (Broadcast, Multicast, Unicast), and click **Save** to configure storm control.

Storm Control Setting

Port	Broadcast	Multicast	Unicast
Port 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Port 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Port 3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Port 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Port 5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Port 6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Port 7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Port 8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Port 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Port 10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

[Save](#)

Note: To cancel the configuration, need to uncheck the box and then click "Apply"

### 3.2.4 Port Mirroring

The input / output messages of one or more source image ports are forwarded to the destination image port to monitor the network.

**Port Mirroring Setting**

Mirror Direction	Source Port Member	Mirror Port
Disable ▾	<div style="border: 1px solid #ccc; padding: 2px;">           Port 1            Port 2            Port 3            Port 4            Port 5            Port 6            Port 7            Port 8            Port 9         </div>	Port 1 ▾
<span style="background-color: #f4a460; padding: 2px 10px; border: 1px solid #ccc;">Save</span>		
Disabled	-	-
<span style="background-color: #f4a460; padding: 2px 10px; border: 1px solid #ccc;">Delete</span>		

Tips:

1. Source port and destination port cannot be the same
2. A port cannot serve as the destination port for multiple mirror sessions simultaneously
3. Supports 1 Session ID

### 3.2.5 Port Isolation

The port isolation is divided into two parts: configuration part and display part

Configure isolation port group

Port	Port Isolation List
Port 1 ▾	<input type="checkbox"/> Port 1 <input type="checkbox"/> Port 2 <input type="checkbox"/> Port 3 <input type="checkbox"/> Port 4 <input type="checkbox"/> Port 5 <input type="checkbox"/> Port 6 <input type="checkbox"/> Port 7 <input type="checkbox"/> Port 8 <input type="checkbox"/> Port 9 <input type="checkbox"/> Port 10
<span style="background-color: #f4a460; padding: 2px 10px; border: 1px solid #ccc;">Apply</span>	

Note: To delete isolation port group, need to select the corresponding port and click Apply again to remove the corresponding port isolation group

Display the port isolation list

Port	Port Isolation List
Port 1	-
Port 2	-
Port 3	-
Port 4	-
Port 5	-
Port 6	-
Port 7	-
Port 8	-
Port 9	-
Port 10	-

### 3.2.6 Port Bandwidth Control

Select the port for configuration Ingress and Egress, enter the rate and click save to configure the bandwidth control settings.

**Bandwidth Control Setting**

Port	Ingress	Rate(Kbit/sec)	Egress	Rate(Kbit/sec)
*	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
Port 1	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
Port 2	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
Port 3	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
Port 4	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
Port 5	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
Port 6	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
Port 7	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
Port 8	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
Port 9	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
Port 10	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>

Tips:

1. Rate(kbit/sec), 16-1048560, multiple of 16.
2. The maximum value is 1048560.

### 3.2.7 Link Aggregation

The link aggregation port can add a trunk group or select the trunk group

Select the trunk group number and select the ports, click <Add/Modify> to add a trunk group or modify the group members.

Select the trunk group and click <delete> the trunk group.

**Trunk Group Setting**

Group ID	Ports
Trunk1	<input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8

Add / Modify

Group ID	Ports	Select
Trunk1	1-3	<input type="checkbox"/>

Delete    Select All

Tips:

1. Maximum 1 or 2 or 3 trunk groups can be set up(WK-PCES306-1A1B-H support 1 trunk group, WK-PCES310-1A1B-H support 2 trunk groups, WK-CES314-4A4B support 3 trunk groups)
2. In each trunk group maximum 4 member ports.
3. The mirroring port cannot be added in the trunk group.
4. Note: Once link aggregation is enabled, loop protection will be disabled.

### 3.2.8 Loop Guard

Configure enable loop guard.

Loop Guard

The port causing the loop will be shut down. After the loop is removed, the port will be up automatically.

Enabled	<input checked="" type="checkbox"/> On
---------	--

Tips:

1. The port causing the loop will be shutdown. After the loop is removed, the port will be up automatically. (Default is enable).
2. Note: Once link aggregation is enabled, loop protection will be disabled.

### 3.2.9 Search MAC

Search the MAC table learned by the device

MAC Addresses Searching

MAC Address	VLAN ID
<input type="text" value="00:00:00:00:00:00"/>	<input type="text" value="(1~4094)"/>

Tips:

1. The inquiry waiting process will interrupt the communication with the equipment

### 3.2.10 Static/Filter MAC

The static/Filter MAC configuration is divided into two parts.

Static MAC add:

Enter the legitimate MAC address, VLAN ID, and select the configured port number. Click **《Add》** to add static MAC.

Up to 32 Static MAC addresses can be configured.

MAC Address	VLAN ID	Port	MAC Blocking
<input type="text" value="00:11:22:33:44:55"/>	<input type="text" value="1"/> (1~4094)	Port 1 ▾	<input type="checkbox"/>

Filter MAC add:

Fill in the MAC(Source or Destination MAC) and VLAN. Set “MAC Blocking” to “Blocked”,As long as MAC Blocking is checked, the port will display as “-”, Click “Add” ; the entry appears in the table with the “Blocked” flag.

MAC Address	VLAN ID	Port	MAC Blocking
<input type="text" value="00:11:22:33:44:55"/>	<input type="text" value="1"/> (1~4094)	-	<input checked="" type="checkbox"/>

Static MAC deletion and display:

After adding a legal static Mac, the corresponding data will be displayed; Check the static Mac and click **《Delete》** . After the configuration is successful, the MAC address, VLAN and corresponding port will be unbound.

No	MAC Address	VLAN ID	Port	MAC Blocking	Select
1	00:11:22:33:44:55	1	1	-	<input checked="" type="checkbox"/>

Delete

Filter MAC deletion and display:

To cancel the black-hole, select the entry and click “Delete”.

No	MAC Address	VLAN ID	Port	MAC Blocking	Select
1	00:11:22:33:44:55	1	-	Blocked	<input checked="" type="checkbox"/>

Delete

Tips:

1. Up to 32 Static MAC addresses can be configured.
2. Only effective within the specified VLAN, other VLANs are not affected
3. As long as the source MAC and destination MAC of a packet match the MAC address set, the packet is dropped.

### 3.2.11 Mac Table

On this page, the user can view the MAC addresses learned by the switch and clear the dynamic MAC address entries.

#### MAC Address Information

No.	MAC Address	VLAN ID	Type	Port
1	F8:E4:3B:EB:82:84	1	Dynamic	1

Clear Dynamic Entries

### 3.2.12 Alarm

**Note:** This function only for WK-PCES306-1A1B-H and WK-PCES310-1A1B-H Model.

On this page, the user can monitor the environment temperature and humidity, Click 《Alarm》, shown as following:

#### Alarm Temperature Status

Ambient Temperature (°C)	Ambient Humidity (%)
0.0°C	0.0%

## 3.3 VLAN Settings

Add or delete device VLAN members and port VLAN configuration

### 3.3.1 VLAN Member

Configuration part:

Enter a valid VLAN ID and VLAN name, click 《Apply》 to configure a new VLAN member;

Static VLAN Table Setting

Up to 12 Static VLANs can be configured.

VLAN ID	<input type="text" value="(1-4094)"/>	VLAN Name	<input type="text"/>
---------	---------------------------------------	-----------	----------------------

Display part:

Displays the VLAN members newly added by the device, Select VLAN members in the VLAN member list and click **«Delete»** to delete VLAN members in batch

VLAN ID	VLAN Name	Member Port	Tagged Ports	Untagged Ports	Delete
1		1-18	-	1-18	<input type="checkbox"/>

Tips:

1. Configure up to 8 or 12 VLAN members.(WK-PCES306-1A1B-H, WK-PCES310-1A1B-H support 8 VLAN members, WK-CES314-4A4B support 12 VLAN members)
2. When VLAN ID is bound by port, it cannot be deleted.

### 3.3.2 VLAN Settings

Port VLAN configuration is divided into two parts:

Part I: Port VLAN configuration, select port, VLAN type (access and trunk, allow VLAN can be configured under trunk), allow VLAN and native VLAN, and click **«Save»** to configure and save port VLAN (Permit VLAN and Native VLAN are selected from the VLAN members configured above);

VLAN Port Setting

Port	VLAN Type	PVLAN	Permit VLAN
<input type="text" value="Port 4"/>	<input type="text" value="Access"/>	<input type="text" value="VLAN 1"/>	<div style="border: 1px solid gray; padding: 2px;">             VLAN 1           </div>

Part II: Port VLAN list, which displays the VLAN configuration of the device port.

Tips: the message under Native VLAN does not have VLAN tag.

## 3.4 LLDP Management

Note: This function only for WK-CES314-4A4B Model.

### 3.4.1 LLDP Configuration

Click “LLDP” > “LLDP Config” to adjust global settings:

### LLDP Parameters Configuration

Tx Interval (30-60 sec)	<input type="text" value="30"/> seconds
Tx Hold (2-5 times)	<input type="text" value="4"/> times

Apply

Parameters	Description
Tx Interval	LLDPDU transmit interval, 30–60 s, default 30 s.
Tx Hold	TTL multiplier, 2–5, default 4. Neighbor aging time = Tx Interval × Tx Hold.

Click “Apply” to save.

Choose the desired mode for each port and click “Apply” .

### LLDP Interface Configuration

Port	Mode
	< > ▾
Port 1	Both ▾
Port 2	Both ▾
Port 3	Both ▾
Port 4	Both ▾
Port 5	Both ▾
Port 6	Both ▾
Port 7	Both ▾
Port 8	Both ▾
Port 9	Both ▾
Port 10	Both ▾
Port 11	Both ▾
Port 12	Both ▾
Port 13	Both ▾
Port 14	Both ▾
Port 15	Both ▾
Port 16	Both ▾
Port 17	Both ▾
Port 18	Both ▾

Apply

Parameters	Description
Port	Select the port to be configured.
Mode	TxOnly / RxOnly / Both / Disable. Default: Both (transmit & receive).

## 3.4.2 LLDP Neighbor Information

### LLDP Neighbor Information

Up to 8 LLDP neighbors can be found.

No.	Local Port	Chassis ID	Port ID	Port Description	System Name	Management Address	Aging (Sec)
1	Port 10	44:AA:18:2B:54:12	G24	G24	switch	0.0.0.0	114

Parameters	Description
Local Port	Local port number
Chassis ID	Neighbor's MAC address
Port ID	Neighbor's port identifier
Port Description	Neighbor's port description
System Name	Neighbor's system name
Management Address	Neighbor's management address (can be used for remote login)
Aging (Sec)	Remaining aging time; entry is deleted when counter reaches 0

Note:

1. If a port's Mode is set to Disable, the port neither sends nor accepts LLDPDUs and its neighbor entry is immediately flushed.
2. Up to 8 LLDP neighbors can be found.

## 3.5 PoE Settings

Note: This function only for WK-PCES306-1A1B-H and WK-PCES310-1A1B-H Model.

### 3.5.1 PoE Settings

Includes port PoE configuration and display:

Configuration part:

<PoE Mode>: Select Enable/disable to turn on/off the PoE function per port

<Extend PoE Mode>: Select On/Off to enable or disable the extend PoE mode (250M PoE) on this port

<PoE Watchdog>: Select On/Off to enable or disable the PoE watchdog function on this port

<PoE Reboot>: Select to reboot the PoE power output of this port.

Click <Save> to save the configuration

Port Setting				
Port	PoE Mode	Extend PoE Mode	PoE Watchdog	PoE Reboot
Port 1	Enable <input type="button" value="v"/>	OFF <input type="button" value="v"/>	OFF <input type="button" value="v"/>	<input type="checkbox"/>
Port 2	Enable <input type="button" value="v"/>	OFF <input type="button" value="v"/>	OFF <input type="button" value="v"/>	<input type="checkbox"/>
Port 3	Enable <input type="button" value="v"/>	OFF <input type="button" value="v"/>	OFF <input type="button" value="v"/>	<input type="checkbox"/>
Port 4	Enable <input type="button" value="v"/>	OFF <input type="button" value="v"/>	OFF <input type="button" value="v"/>	<input type="checkbox"/>

Display part:

Display the power of port PoE and the current power supply status

Port	PD Class	Power Allocated	Power Used	Current Used	Extend PoE Mode	PoE Watchdog	PoE Real Status
Port 1	-	0[W]	0[W]	0[mA]	OFF	OFF	No PD detected
Port 2	-	0[W]	0[W]	0[mA]	OFF	OFF	No PD detected
Port 3	-	0[W]	0[W]	0[mA]	OFF	OFF	No PD detected
Port 4	-	0[W]	0[W]	0[mA]	OFF	OFF	No PD detected
Port 5	-	0[W]	0[W]	0[mA]	OFF	OFF	No PD detected
Port 6	-	0[W]	0[W]	0[mA]	OFF	OFF	No PD detected
Port 7	-	0[W]	0[W]	0[mA]	OFF	OFF	No PD detected
Port 8	-	0[W]	0[W]	0[mA]	OFF	OFF	No PD detected

Tips:

1. Disable port PoE. Port PoE will not be powered.

## 3.6 ONVIF

### 3.6.1 Onvif Detect

Support ONVIF protocol function to discover devices.

Click Detect to discover the ONVIF cameras.

## MQTT Client

MQTT Client	Enabled <input type="button" value="v"/>
MQTT Server URL/IP	cloud2.wireless-tek.com [47.243.18.63](DEF)
MQTT Server Port	2038 Port Range(1-65535)
MQTT Server Keepalive	60 Keepalive(10-300s)
MQTT Connect Status	Disconnected

Save

Cameras Searching

Detect

Up to 24 cameras can be found.

No.	IP Address	MAC	PORT	VLAN	Name
-----	------------	-----	------	------	------

## 3.7 Cloud Settings

### 3.7.1 MQTT Client

The cloud settings function is implemented based on the MQTT protocol, and the device is used as an MQTT client.

Select “Enabled” for “MQTT Client”, configure the IP address and port of the cloud for MQTT Server IP address and port, and click **Save** to configure; When the connection is successful, the “MQTT Connect Status” is displayed as Connected.

Tips:

1. Cloud Settings function is optional.
2. The “MQTT Connect Status” needs to refresh the page to update the status.

### 3.7.2 Wi-tek Devices Discovery Table

The discovery function makes it possible to discover other Wi-Tek brand devices in the network.

Click <Detect> to discover the devices.

Switch Devices Searching

Detect

No.	IP Address	MAC	SN	Host Name
-----	------------	-----	----	-----------

## 4 Frequently Asked Questions

### **Question 1: unable to log in to the device manager web management interface. What should I do?**

Refer to the following steps:

- 1) Confirm that the PC network cable is normally connected to the device port, and the corresponding indicator flashes.
- 2) Before accessing the setting interface, it is recommended to set the computer to "static IP mode" and configure it to 10.XX.XX.XX (e.g. 10.224.0.121, which cannot be consistent with the device configuration IP 10.XX.XX.XX (XX.XX.XX is the last three digits of the MAC address of the current device)), subnet mask: 255.0.0.0.
- 3) Use the ping command to detect the connectivity between the computer and the device.

### **Question 2: what if you forget your device user name and password? How to restore the factory configuration?**

If you forget the login password, long press the reset key on the panel for 5 seconds when the device is powered on, and the device will be restored to the factory setting after restarting