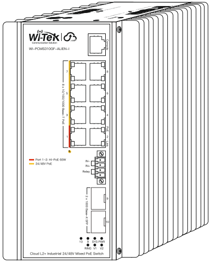
Wi-Tek
Communication Solution

Quick Installation Guide

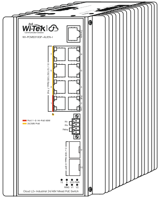
Cloud L2+ Industrial 24/48V Mixed PoE Switch


Wi-Tek
WI-PCMS310GF-ALIEN-I
8 x 10/100/1000 Base-T PoE
Port 1-2: Hi-PoE 60W
24/48V PoE
2 x 1000 Base-X SFP
Cloud L2+ Industrial 24/48V Mixed PoE Switch

WI-PCMS310GF-ALIEN-I

www.wireless-tek.com

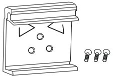
1. Packing Content



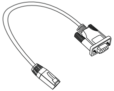
Switch x 1

Wi-Tek
Quick Installation Guide

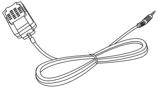
Quick Installation Guide x 1



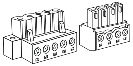
DIN-Rail Mounted Accessory
(screw x 3, rail bracket x 1)



Serial Line x 1



Temperature Sensor x 1

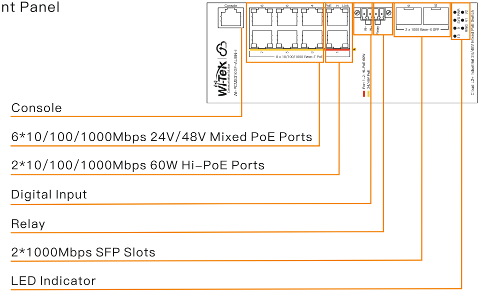


Phoenix Terminal x 3

2. Appearance Overview

For WI–PCMS310GF–ALIEN–I

Front Panel


Console
8 x 10/100/1000 Base-T PoE
PoE
Link
Relay
2 x 1000 Base-X SFP
Port 1-2: Hi-PoE 60W
24/48V PoE
WI-PCMS310GF-ALIEN-I
Wi-Tek
Cloud L2+ Industrial 24/48V Mixed PoE Switch

Console

6*10/100/1000Mbps 24V/48V Mixed PoE Ports

2*10/100/1000Mbps 60W Hi–PoE Ports

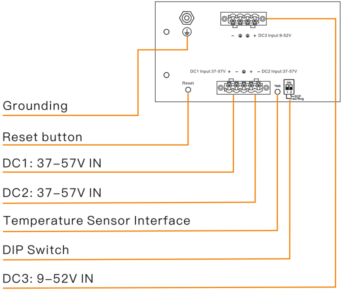
Digital Input

Relay

2*1000Mbps SFP Slots

LED Indicator

Top Panel


DC3 Input:9-52V
DC1 Input:37-57V
DC2 Input:37-57V
Reset
TMS
ON
SCP
Fast Ring

Grounding

Reset button

DC1: 37–57V IN

DC2: 37–57V IN

Temperature Sensor Interface

DIP Switch

DC3: 9–52V IN

DIP Switch Description

DIP Switch Description	
Fast Ring	One–key enable fast ring function, support fast network self–healing
SCP	Enable storm suppression to improve network reliability

LED Indicator and Button Description

LED Indicator&Button	Description
PWR	On: The switch is powered on Off: The switch is powered off or power supply is abnormal
V1	On: Power 1 is detected
V2	On: Power 2 is detected
SYS	Blinking: The Device system is operating normally Off: Device system or power connection abnormality
RING	On: Ring network function enabled Off: Ring network function disabled
PoE	Orange on: PoE enabled Off: PoE disabled
Link	Green on: Port connected Blinking: Data transmission Off: Port disconnected
9, 10 SFP Indicator	On: Port connected Off: Port disconnnected
Reset	Hold for >5 sec. to restore factory default

PoE output parameter

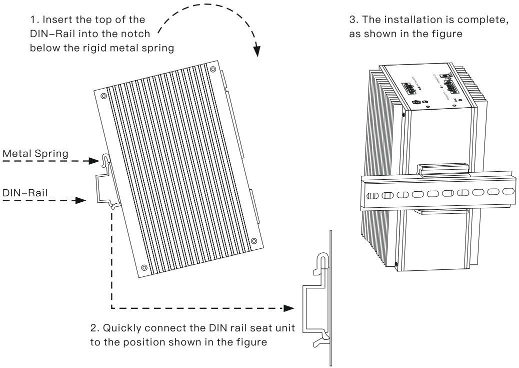
PoE Port	PoE powered device Type	Maximum PoE Output
Port 1–2	24V PoE powered device	40W
	Standard PoE powered device	60W
Port 3–8	24V PoE powered device	20W
	Standard PoE powered device	30W

Note:
1. PoE Output
200W Max. for PoE power budget at DC3(48V/52V) Input;
150W Max. for PoE power budget at DC3(24V) Input;
60W Max. for PoE power budget at DC3(12V) Input.
2. The switch dynamically adjusts the PoE Power Budget based on the power supply voltage when supplying power to the boost terminal of DC3.
3. Supports redundant power inputs with three power inputs at the same time. The priorities are DC1>DC2>DC3
4. It is recommended that the device must be well grounded.
5. The TMS port connects to the temperature sensor.

3. DIN-rail Installation

- **Please follow the steps below.**

Step1: Install the switch to the DIN rail.


1. Insert the top of the DIN-Rail into the notch below the rigid metal spring

2. Quickly connect the DIN rail seat unit to the position shown in the figure

3. The installation is complete, as shown in the figure

Metal Spring
DIN-Rail

4. Configuration

- **Log in to the switch locally**

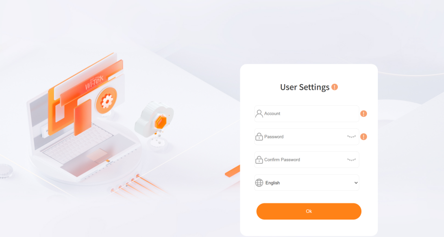
Let the Switch obtain an IP address and then check the DHCP server to see which IP address was assigned.

The Switch is set to DHCP by default, so it will try to obtain an IP address automatic

If that fails, then it will use the default fallback **IP address, 192.168.0.1**

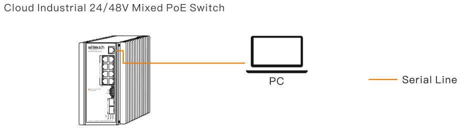
To log in, follow these steps:

1. Launch your web browser. you type the appropriate IP address in the address bar.
2. The login screen will appear. In the factory state, the first login requires setting a account and password.


User Settings
Account
Password
Confirm Password
English
Ok

- **Use the console cable to access the switch**

Connection Diagram:

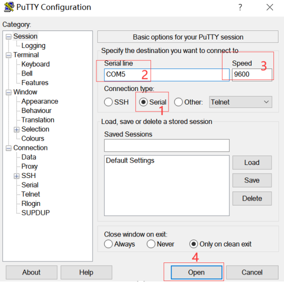

Cloud Industrial 24/48V Mixed PoE Switch
PC
Serial Line

ally.

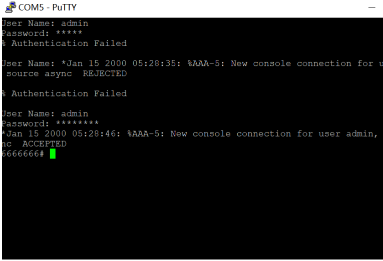
n

Step 1 Download a PuTTY software
Step 2 Use the Console cable to connect the computer and the switch as shown in the above figure
Step 3 Set the com port number of the Console line and the baud rate of the switch in the software (steps as shown in the figure below).

Notice:
Step 2 is your computer recognizes the COM number of the Console line
Step 3 is the baud rate of the switch (the baud rate of the switch is 9600)


PuTTY Configuration
Category:
Session
Logging
Terminal
Keyboard
Bell
Features
Window
Appearance
Behaviour
Translation
Selection
Colours
Connection
Data
Proxy
SSH
Serial
Telnet
Rlogin
SUPDUP
Basic options for your PuTTY session
Load, save or delete a stored session
Saved Sessions
Default Settings
Load
Save
Delete
About
Help
Open
Cancel
1
2
3
4

Specify the destination you want to connect to
Serial line: COM5
Speed: 9600
Connection type: ○ SSH ● Serial ○ Other: Telnet
Close window on exit: ○ Always ○ Never ● Only on clean exit

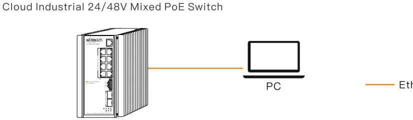


```
User Name: admin
Password: *****
% Authentication Failed

User Name: *Jan 15 2000 05:28:35: %AAA-5: New console connection for u
 source async  REJECTED

% Authentication Failed

User Name: admin
Password: ********
*Jan 15 2000 05:28:46: %AAA-5: New console connection for user admin,
nc  ACCEPTED
666666# 
```

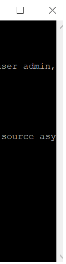
Note: The first login requires setting up an account and password.

• Use Telnet to log in to the CLI mode of the switch

Connection Diagram:


Cloud Industrial 24/48V Mixed PoE Switch
PC
Eth

Step 1 Configure the IP address of the computer and the IP address of
as the switch
Step 2 Open the cmd window of the computer
Step 3 Enter Telnet followed by the management IP address of the swi
the management IP address of the switch is 192.168.0.1, enter Telnet

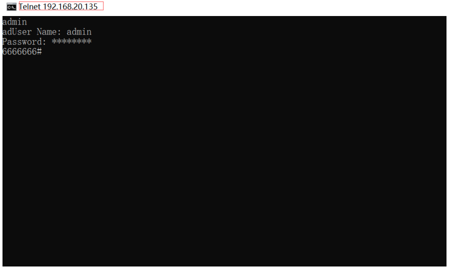


```
ser admin,

source asy
```

ernet Cable

the same segment

tch (for example, if
192.168.0.1)


Telnet 192.168.20.135

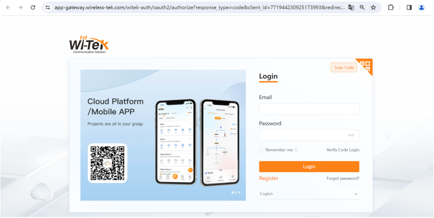
```
admin
adUser Name: admin
Password: ********
6666666#
```

Note: The first login requires setting up an account and password.

• Cloud login switch configuration

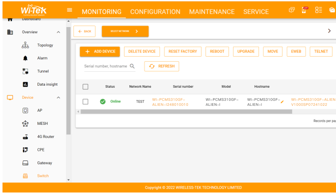
1. Log in to the cloud management page

(No account, you need to register an account to log in, The URL is http://cloud2.wireless-tek.com)


app-gateway.wireless-tek.com/witek-auth/oauth2/authorize?response_type=code&client_id=771944230925173993&redirec...
Wi-Tek
Communication Solution
Scan Code
Cloud Platform
/Mobile APP
Projects are all in your grasp
Login
Email
Password
Remember me
Verify Code Login
Login
Register
Forgot password?
English

2. Enter the cloud binding switch

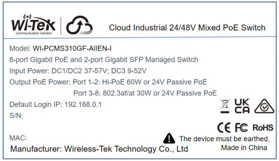
(Explain: The switch must be connected to the internet to bind suc


Wi-Tek
MONITORING
CONFIGURATION
MAINTENANCE
SERVICE
Dashboard
Overview
Topology
Alarm
Tunnel
Data insight
Device
AP
MESH
4G Router
CPE
Gateway
Switch
BACK
SELECT NETWORK
ADD DEVICE
DELETE DEVICE
RESET FACTORY
REBOOT
UPGRADE
MOVE
EWEB
TELNET
Serial number, hostname
REFRESH
Records per pa
Copyright © 2022 WIRELESS-TEK TECHNOLOGY LIMITED

☐	Status	Network Name	Serial number	Model	Hostname	
☐	Online	TEST	WI-PCMS310GF-ALIEN-I248010010	WI-PCMS310GF-ALIEN-I	WI-PCMS310GF-ALIEN-I	WI-PCMS310GF-ALIEN V1000SP07241022

Please enter the device serial number and the last six hexes of the address to bind a device to the current group, device can be off w

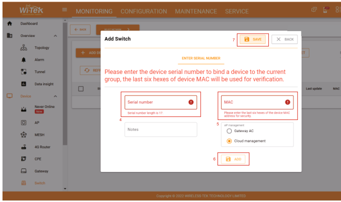
(Explain: The 17-digit SN code and MAC address of the switch are the sticker on the back of the switch as shown in the figure below)



Wi-Tek Communication Solution
Cloud Industrial 24/48V Mixed PoE Switch

Model: WI-PCMS310GF-AIIEN-I
8-port Gigabit PoE and 2-port Gigabit SFP Managed Switch
Input Power: DC1/DC2 37-57V; DC3 9-52V
Output PoE Power: Port 1-2: Hi-PoE 60W or 24V Passive PoE
Port 3-8: 802.3af/at 30W or 24V Passive PoE
Default Login IP: 192.168.0.1
S/N:
MAC:
Manufacturer: Wireless-Tek Technology Co., Ltd

UK CA
CE FC RoHS
The device must be earthed.
Made in China


Wi-Tek
MONITORING
CONFIGURATION
MAINTENANCE
SERVICE
Dashboard
Overview
Topology
Alarm
Tunnel
Data insight
Device
Never Online
AP
MESH
4G Router
CPE
Gateway
Switch
BACK
ADD DE
REFR
Last update
Add Switch
7
SAVE
BACK
ENTER SERIAL NUMBER
Serial number
4
Notes
MAC
5
AP management
Gateway AC
Cloud management
6
ADD
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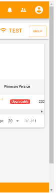
Please enter the device serial number to bind a device to the current group, the last six hexes of device MAC will be used for verification.

Serial number length is 17.

Please enter the last six hexes of the device MAC address for security.

AP management: ○ Gateway AC ● Cloud management cessfully)

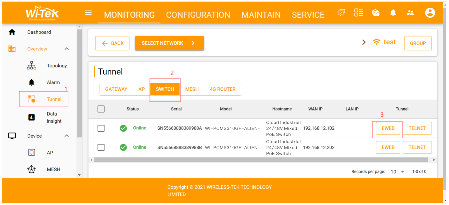

TEST
GROUP
Firmware Version
Upgradable
20
1-1 of 1

e device MAC
hen binding.
e shown on

cai
GROUP
erial number, hostname
WAN IP
Notes

3. After binding, you can use the Switch in the Tunnel option in the cloud management, and then use EWEB to enter the switch.

(After entering the switch, you can configure it based on your own needs)


Wi-Tek
MONITORING
CONFIGURATION
MAINTAIN
SERVICE
Dashboard
Overview
Topology
Alarm
Tunnel
1
Data insight
Device
AP
MESH
BACK
SELECT NETWORK
test
GROUP
Tunnel
2
GATEWAY
AP
SWITCH
MESH
4G ROUTER
3

☐	Status	Serial	Model	Hostname	WAN IP	LAN IP	Tunnel
☐	Online	SN55668888389988A	WI-PCMS310GF-ALIEN-I	Cloud Industrial 24/48V Mixed PoE Switch	192.168.12.102		EWEB TELNET
☐	Online	SN55668888389988B	WI-PCMS310GF-ALIEN-I	Cloud Industrial 24/48V Mixed PoE Switch	192.168.12.202		EWEB TELNET

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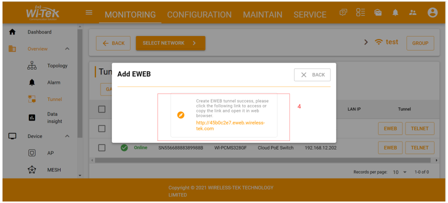
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Device
AP
MESH
BACK
SELECT NETWORK
test
GROUP
Add EWEB
BACK
4
LAN IP
Tunnel
EWEB
TELNET

Create EWEB tunnel success, please click the following link to access or copy the link and open it in web browser.

http://45b0c2e7.eweb.wireless-tek.com

☐	Online	SN55668888389988B	WI-PCMS328GF	Cloud PoE Switch	192.168.12.202	EWEB TELNET

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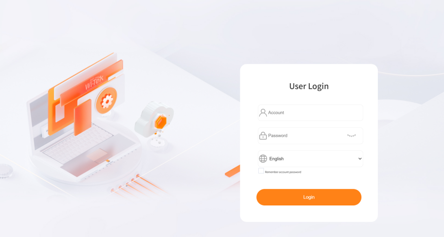
Wi-Tek
User Login
Account
Password
English
Remember account password
Login

Warranty Card

Username	
Address	
Telephone No.	
Purchase Shop	
Purchase Address	
Product Model No.	
Purchase Time	
Serial No.	
Dealer Signature	

- If the product defects within the warranty period, we will provide professional maintenance service.
- Proof of purchase and a complete product serial number are required to receive any services guaranteed as part of the limited warranty.
- Any other defects that are not caused by workmanship or product quality, such as natural disasters, water damage, extreme thermal or environmental conditions, sticker damaged, warranty card loss will disqualify the product from limited warranty.

Technical Support Company Website Cloud Management

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Tel: 86-0755-32811290
Email: sales@wireless-tek.com
Technical Support: tech@wireless-tek.com

CE FC UK CA RoHS