TOTO LINK

The Smartest Network Device

User Guide

Wireless Outdoor CPE

Suitable for: **CP150, CP300**

V2.0 | 2008

Contents

1. Hardware Installation

1.1 Device Mounting

❶ Pole Mount
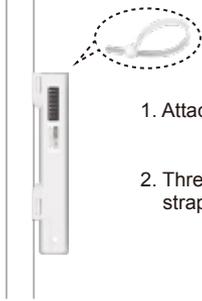
1. Attach the groove part of the device to the pole.

2. Thread through the hole of CP300 and ties the straps firmly on the pole.
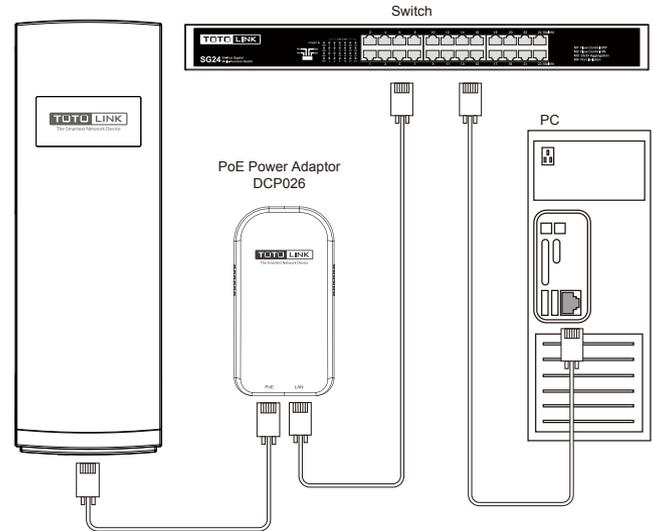
❷ Wall Mount

1. Drive the nail into the wall and make sure the nail position is exactly matching the device.

2. Hang the CP300 on the wall.

1.2 Network Connection

Switch

PC

PoE Power Adaptor
DCP026

Note

1. Locate a suitable mounting site for your CPE. For choosing the best location, select an elevated location where trees, buildings and large steel structures will not obstruct the antenna signals and which offers maximum line-of-sight prop-agation with the users.
2. Adjust the direction of your CPE for a best signal. Place the straps through the slots on the back of the CPE and then around the pole. Tighten the Straps.
3. Please make sure the two CPEs are placed face to face, otherwise the wireless signal strength might be weak.

1.3 Port, Button, LED Indicators Description

RJ45 PORT
(PoE Supported)
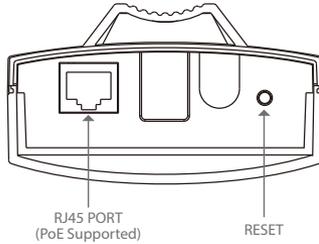
RESET

| Port and Button	Description
LAN	This port is used to access RJ45 cable to connect to PoE Power Adapter, meanwhile realize data transmission.
Reset	With the CPE powered on, press and hold the button for about 10 seconds, the CPE will reboot to factory default settings.
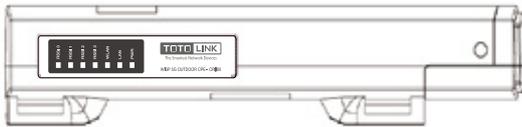
| LED Indicator	Description
POWER	The POWER LED will light blue when properly connected to a power source.
LAN	This Ethernet LED will light solid blue when an active Ethernet connection is made to the LAN port and flash when there is activity.
WLAN	This WLAN LED flash blue when the wireless function working.
Signal	These LEDs display the signal strength.

2. Typical Application

CP300

WISP

① CP300

② Cable

③ PoE Power Adapter

DCP006

Computer

Computer

Switch
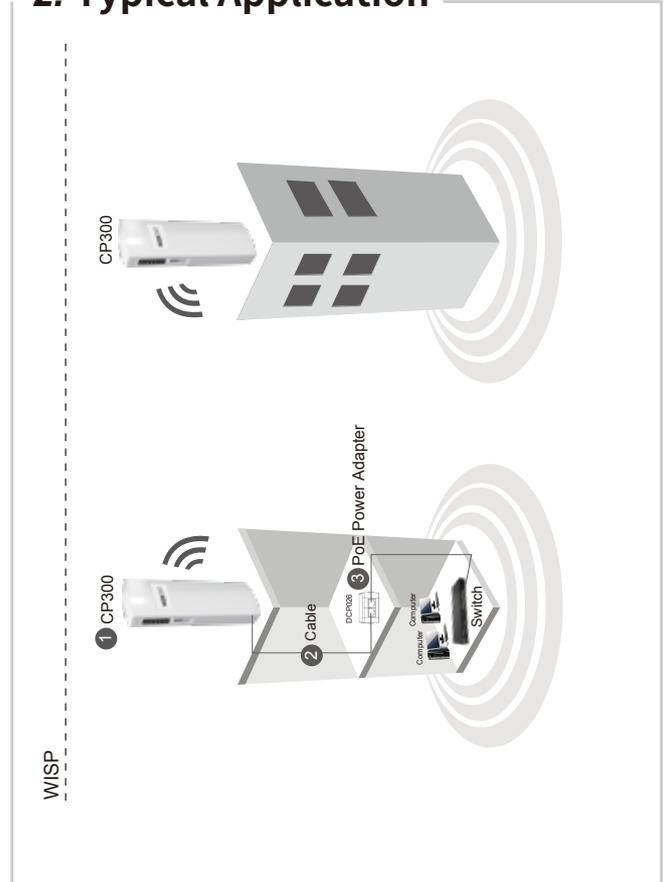
3. Set Up PC

1 Right-click "My Network Places", click "Properties"

2 Right-click "Local Area Connection", click "Properties"
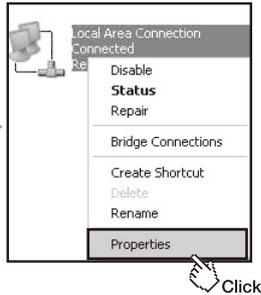
Click

Click

3 Double-click "Internet Protocol Version 4 (TCP/IPv4)"
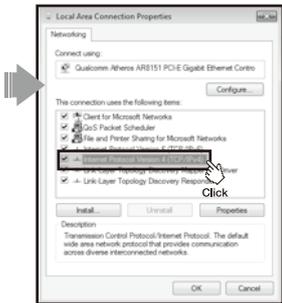
4 Choose "Use the following IP address", input the IP address in the same network segment with your router's default IP address, as below, then click "OK".

Click

Click

4. Configure the Device

Please set up the CPE following below steps.

1 Run the Web browser.

Click

2 Type 192.168.1.1 in the Web browser address bar, then press Enter.

http://192.168.1.1/login/login.cgi

3 Input User Name and Password and click "Login".
(By default, both are "admin" in lower case)

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Administrator Login

User Name   admin
Password   •••••
            Click
            Login   Reset
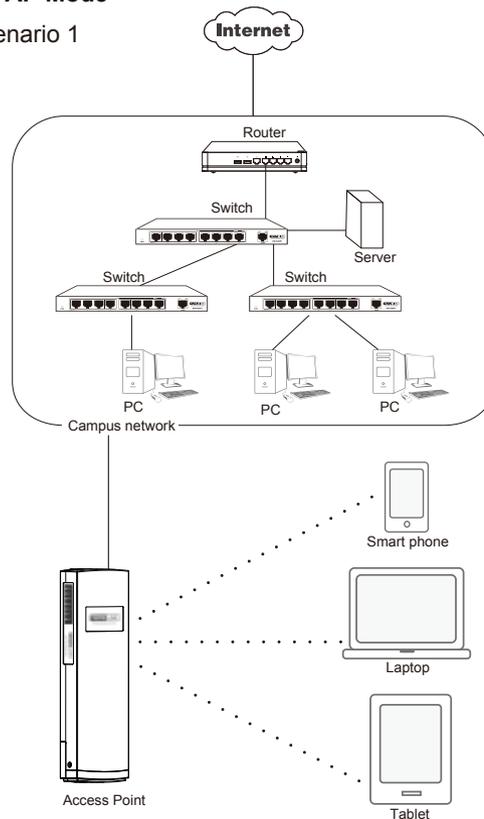
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4 Select the proper Operation Mode as your requirement. TOTOLINK CPE supports multiple Operation Modes to satisfy diversified network requirements, including AP Mode, Client Mode, Repeater Mode and WISP Mode. The following guide introduces typical scenarios of each mode. Please choose the proper Operation Mode according to your needs.
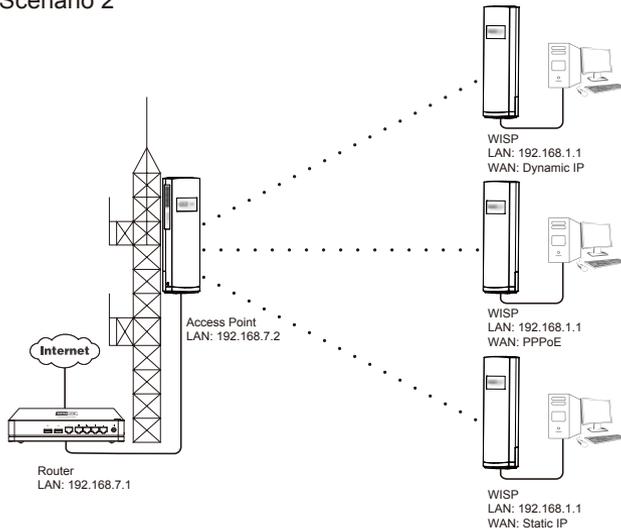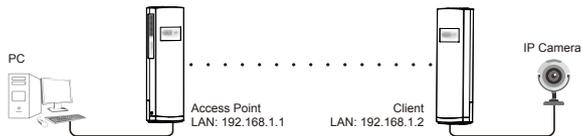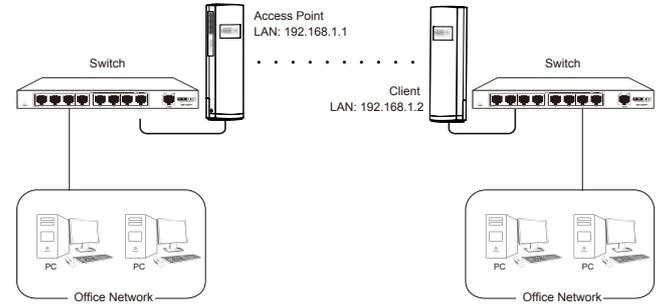

5. **Working Modes**

5.1 AP Mode

Scenario 1

Scenario 2

WISP
LAN: 192.168.1.1
WAN: Dynamic IP

WISP
LAN: 192.168.1.1
WAN: PPPoE

WISP
LAN: 192.168.1.1
WAN: Static IP

Access Point
LAN: 192.168.7.2

Internet

Router
LAN: 192.168.7.1

Scenario 3

PC

Access Point
LAN: 192.168.1.1

Client
LAN: 192.168.1.2

IP Camera

Connect two office areas

Access Point
LAN: 192.168.1.1

Switch

Client
LAN: 192.168.1.2

Switch

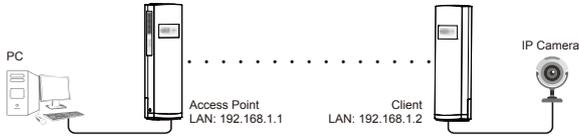PC   PC
Office Network

PC   PC
Office Network

AP Settings

1) Go to the CPE's **Operation Mode** page.
2) Choose "**AP Mode**", setup the CPE's **SSID**,Channel and **Key**
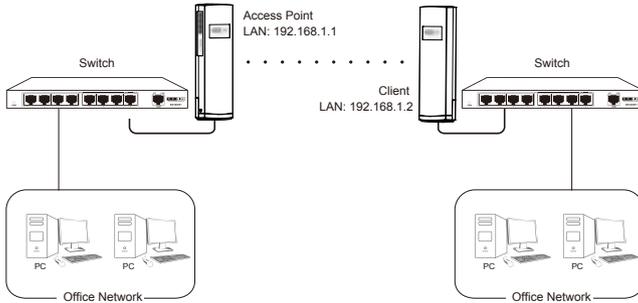   (pass word), click **Finishd**.

3) After the settings, please connect the PoE Power Adapter LAN port to upper level network device

5.2 Client Mode

Scenario 1

PC

Access Point
LAN: 192.168.1.1

Client
LAN: 192.168.1.2

IP Camera

Connect two office areas

Access Point
LAN: 192.168.1.1

Switch

Client
LAN: 192.168.1.2

Switch

PC   PC

Office Network

PC   PC

Office Network

Client Settings

1）Go to CPE's **Operation Mode** page.
2）Choose "**Client** ", click "**Wi-Fi Scan**" to check all available wireless networks around
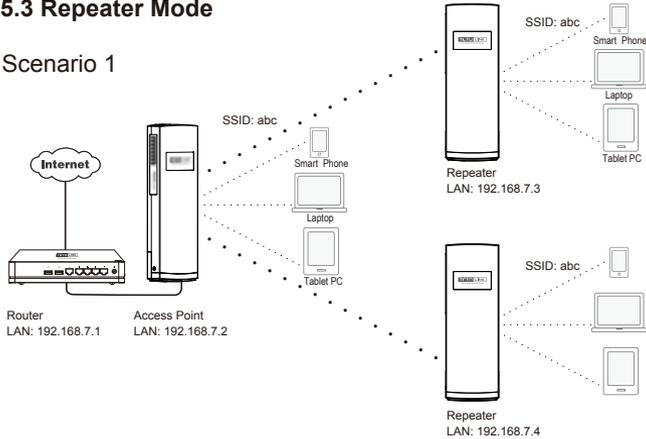

3) Choose the **SSID** you need to connect. Enter correct Password, click "**Finished**".
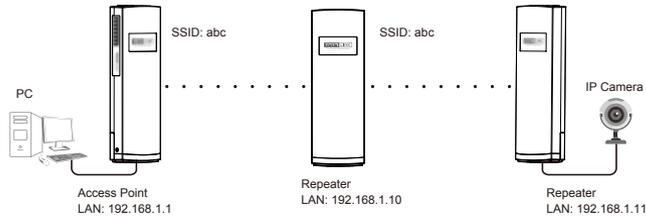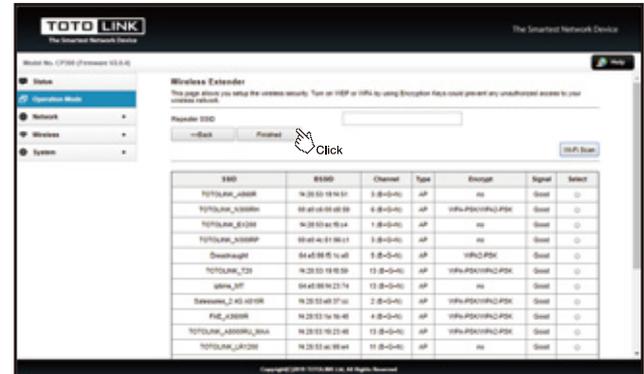
5.3 Repeater Mode

Scenario 1

Scenario 2

Repeater Settings

1）Go to CPE's **Operation Mode** page.
2）Choose "**Repeater**", click "**Wi-Fi Scan**" to check all available wireless networks

3）Select the SSID that you want to connect, enter correct key. Then click "**Next**" to setup the expanded network parameters.
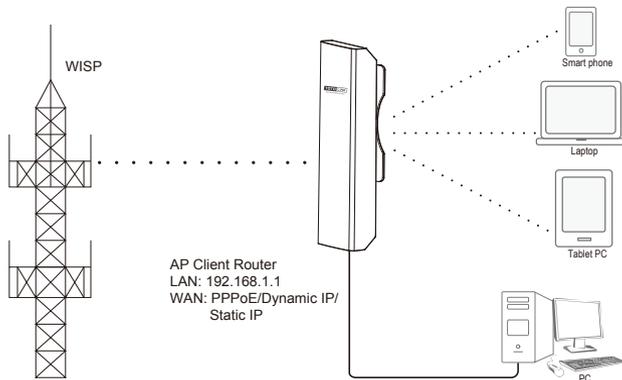

4) Setup the expanded network SSID and password. Click "**Finished**".

5) Now setup your PC's LAN card IP address to "Obtain the IP address automatically. Or you can access the Wi-Fi network through wireless devices.

5.4 WISP Mode

Scenario 1

WISP

AP Client Router
LAN: 192.168.1.1
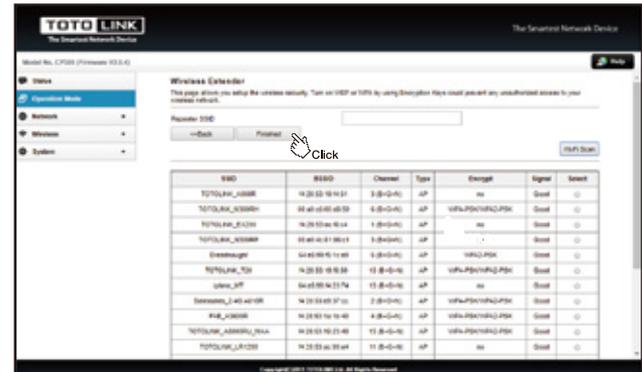WAN: PPPoE/Dynamic IP/
Static IP

WISP Settings

1) Go to CPE's **Operation Mode** page.
2) Choose "**WISP**", click "**Wi-Fi Scan**", the device will check all available ISP wireless networks around.

Click

3) Select the ISP Wi-Fi you need to connect. Enter correct Password, Then click "**Finished**".

Click

4) Choose WAN Method:

① DHCP, the device will obtain IP address from ISP router automatically. Click "**Next**" to setup the CPE's wireless parameters.

② If your ISP provides static IP address, please choose "**Static IP**", and input corresponding parameters, click "**Next**" to setup the wireless parameters.

③ PPPoE, please input the User Name and PASSWORD provided by your ISP, click "**Next"** to setup the wireless parameters.

5) Setup the SSID and Key, click "**Finished**".

6) Now setup your PC's LAN card IP address to "Obtain the IP address automatically." Or you can access the Wi-Fi network through wireless devices.

FAQ

1. How to reset the CPE to factory default Settings?

Keep the CPE powered on, press and hold the RESET button on CPE for about 8 seconds, then the CPE will be restored to the factory default settings.

RESET
Press the RESET button for about 8 seconds until the signal strength indicators blink

2. What Can I do If I forgot the CPE's Web Login User Name and Password?

In case you changed your CPE's Login User Name and Password, we suggest you reset your CPE to factory default settings by above operations. Then use the following parameters to login the CPE's Web interface:

Default IP address: 192.168.1.1
User Name: admin
Password: admin