

# LTE Indoor CPE

CP860

Quick Start Guide ▶

## Introduction

The CP860 is a premium indoor LTE CPE, designed for 802.11a/b/g/n/ac dual band Wi-Fi access. The product provides optimized high throughput data and a wide area coverage network for residential, commercial and enterprise users, supporting multiple services.

Customers enjoy reliable dual-band Wi-Fi AP functions, broadband access and hot-spot Wi-Fi connections with the CP860.



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## Panel of Device



I/O Panel of Router



LED Panel of Router

## Packing List

Make sure you have everything you need to properly configure the device.

IDU	Power supply	Ethernet cable

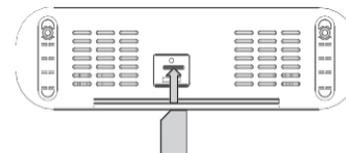
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## Configure Hardware

### Insert SIM Card

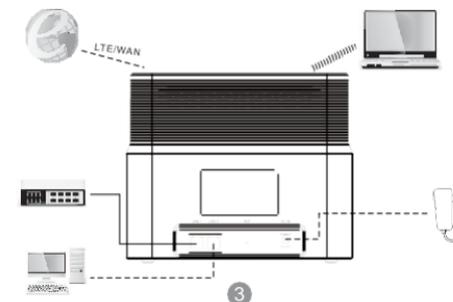
⚠ If you want to remove the SIM card, please lightly press the SIM card, the SIM card will pop out. Make sure the CPE is turned off before you insert or remove your SIM card. Otherwise, the CPE and SIM card may be damaged.

Please insert your SIM card (3FF) as following:



### How does it Work

⚡ The figure is just for reference only, please connect according to your requirements.



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**Step 1** Connect the supplied power adapter to the CPE.

**Step 2** Connect other devices.

- You can connect your computer or classic Switch via Ethernet cable to LAN port.
- You can connect your laptop via Wi-Fi.

⚡ When you are using the CPE, you can adjust the position and direction of CPE to get stronger LTE signal, you can judge from the LTE signal LED indicators.

### LED Indicators

When set up the CP860, you will see the following LED indicators:

Indicator	Status	Description
POWER	Steady on	Power On
	Off	No Power Supply
INTERNET	Steady on	Internet Available
	Off	Internet Unavailable
	Blinking (500ms interval)	Searching network of LTE
5G WIFI	Steady on	5G WiFi Available
	Off	5G WiFi unavailable
2.4G WIFI	Steady on	2.4G WiFi Available
	Off	2.4G WiFi unavailable
SIGNAL	Steady on	Display the current LTE network signal, the stronger signal, the more bars on
	Off	No Signal
	Blinking one by one	Firmware upgrade

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## Configure The CPE

### Login to the Website

Use a browser to access the management web page to configure and manage the CPE.

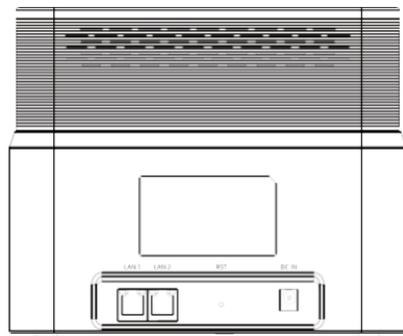
The following procedure describes how to use a computer running Windows 7 or above version and Internet Explorer to connect to the CPE webpage.

**Step 1** Connect the CPE correctly.

**Step 2** Start Internet Explorer, go to <http://192.168.1.1> in the address bar, and press Enter.

**Step 3** Enter the user name (admin) and password (user2008), and click Log In.

You can connect to the management web page after the password is verified.



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## Configuration of LTE

**Step 1** Connect the CPE correctly.

**Step 2** Enter the management website.

**Step 3** Choose Settings → Network → LTE Settings.

**Step 4** Set the connection mode and scan mode.

**LTE Settings**

**Settings**

Status: Connected

Connect Method: Auto

**Status**

DL MCS	0
UL MCS	0
DL Frequency	2679.0 MHz
UL Frequency	2559.0 MHz
Bandwidth	20 MHz
RSSI	-53 dBm
RSRP0	-79 dBm
RSRP1	-77 dBm
RSRQ	-5 dB
SINR	32 dB
TX Power	-55 dBm

\*\*\* The default setting is automatically connection and full band scanning, if you want to connect the LTE network according to your needs, you can set the connection mode as manual, and simply scan a specified band.

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## Configuration of Wi-Fi

**Step 1** Connect the CPE correctly.

**Step 2** Enter the management website.

**Step 3** Choose Settings → Wi-Fi → WLAN Settings.

**Step 4** In the General Settings, set Wi-Fi Enable or enable Wi-Fi with the Wi-Fi button.

**Step 5** In the Setting, change the SSID, such as "LTE-Router"

**Step 6** To ensure data security, it is recommended that you change the Wi-Fi password by default.

**Step 7** Click Submit to save the settings.

**WLAN Settings**

**General Settings**

Band: 2.4GHz

WLAN:  Enable

Mode: 802.11bgn(Auto)

Channel: Auto

Tx Power: 100%

**SSID Profile**

SSID: MT7603E-802Z

Maximum number of devices: 16

Hide SSID broadcast:  Enable

AP isolation:  Enable

Security: WPA-PSK&WPA2-PSK

WPA encryption: AES(recommended)

Show password:  Enable

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## Troubleshooting

**The POWER indicator does not turn on.**

- Make sure that the power cable is connected properly and the CPE is powered on.
- Make sure that the power adapter is compatible with the CPE.

**Fails to login the web management page.**

- Make sure that the CPE is started.
- Verify that the CPE is correctly connected to the computer through Wi-Fi or a network cable.

**The CPE fails to search for the wireless network.**

- Check that the power adapter is connected properly.
- Check that the CPE is placed in an open area that is far away from obstructions, such as concrete or wooden walls.
- Check that the CPE is placed far away from household electrical appliances that generate strong electromagnetic field, such as microwave ovens, refrigerators, and satellite dishes.

**The power adapter of the CPE is overheated.**

- The CPE will be overheated after being used for a long time. Therefore, power off the CPE when you are not using it.
- Check that the CPE is properly ventilated and shielded from direct sunlight.

**The parameters are restored to default values.**

- If the CPE is powered off unexpectedly while being configured, the parameters may be restored to the default settings.
- After configuring the parameters, download the configuration file to quickly restore the CPE to the desired settings.

\*\*\* If the problem persists, please contact authorized local service suppliers.

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This product has reached the standard of shipment inspection.



### Notice

Some features of the product and its accessories described herein rely on the software installed, capacities and settings of local network, and may not be activated or may be limited by local network operators or network service providers, thus the descriptions herein may not exactly match the product or its accessories you purchase.

We reserves the right to change or modify any information or specifications contained in this manual without prior notice or obligation.

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.