Indoor WiFi AP
Quick installation Guide

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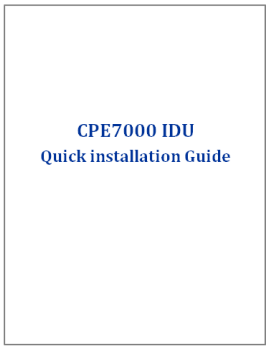
1. About this Guide

This document provides information and procedures on installation/configuration of LTE Indoor CPE. You could utilize the theoretical information in this guide to setup your device. This Quick Installation Guide covers the basic installation of the Indoor Gateway.

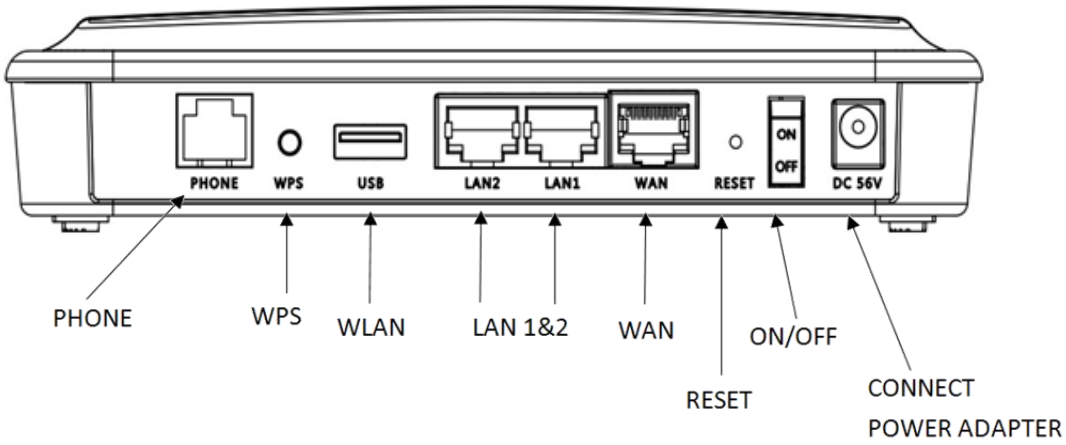
2. What's in the box?

Here's a quick checklist of everything inside your box. Before installing the ODU, please check you have all of these items listed below. If any of these items is missing or damaged, please contact your LTE service provider.

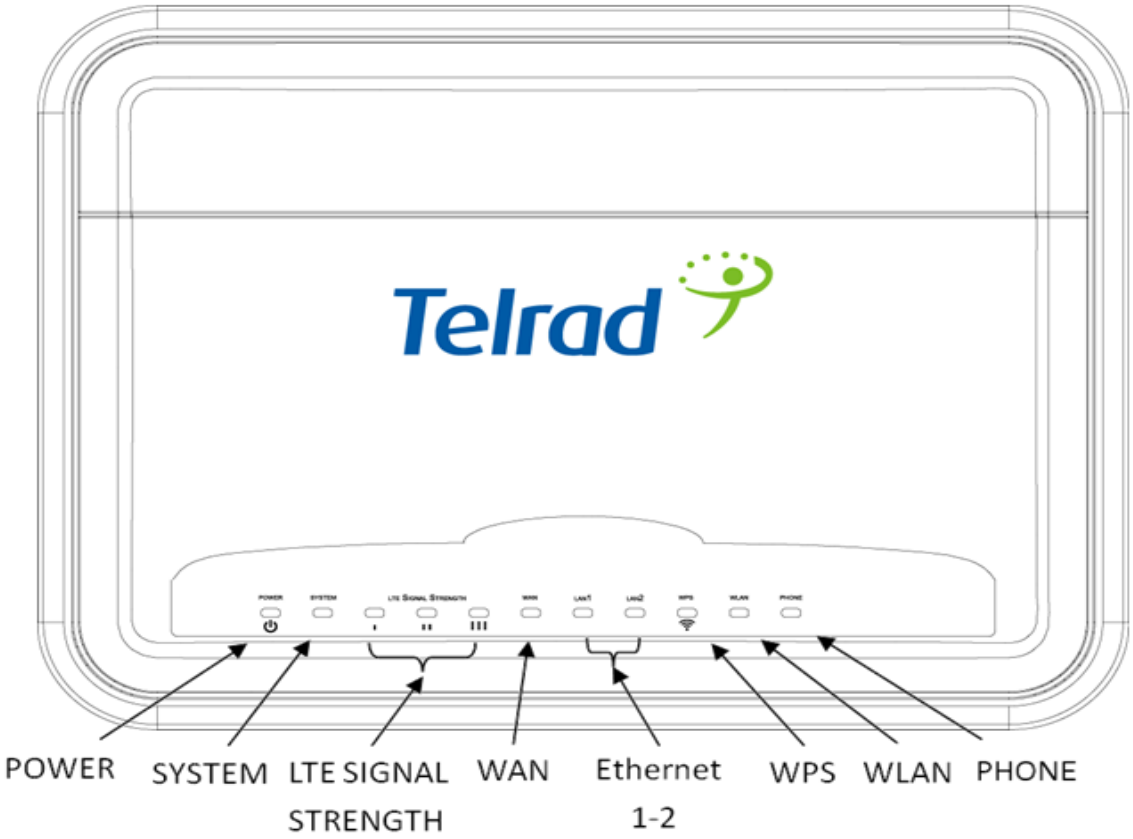
	The LTE Indoor CPE
	Quick installation Guide
	Power Adapter
	Power Plug (EU)/ Power Plug (US)

3. Connectors & LED Indicators

IDU Rear Panel



IDU Front Panel



IDU LED Indicators:

No.	Type	Color	Action	Description
1	Power	Green	Solid ON	Power on
		OFF		Power off
2	System	Green	Solid ON	System is booting
		OFF		System is disabled
3	LTE Signal Strength	Green	Solid ON	Display signal strength 1 LED: 0<=CINR<8 2 LED: 8<=CINR<24 3 LED: 24<=CINR
		OFF		No signal
4	WAN	Green	Solid ON	LTE is connected
		Green	Blinking	LTE is transmitting data
		OFF		LTE is disabled
5	LAN1&2	Green	Solid ON	LAN is connected
		Green	Blinking	LAN is transmitting data
		OFF		LAN is disabled
6	WPS	Green	Blinking	WPS is connecting
		OFF		WPS is disabled
7	WLAN	Green	Solid ON	WiFi is enabled
		Green	Blinking	WiFi is transmitting data
		OFF		WiFi is disabled
8	Phone VoIP	Green	Solid ON	VoIP Registered/ Off-hook/ Busy
		Green	Blinking	Incoming call ringing New incoming call during conversation Incoming voice mail waiting
		OFF		VoIP not registered / VoIP disabled

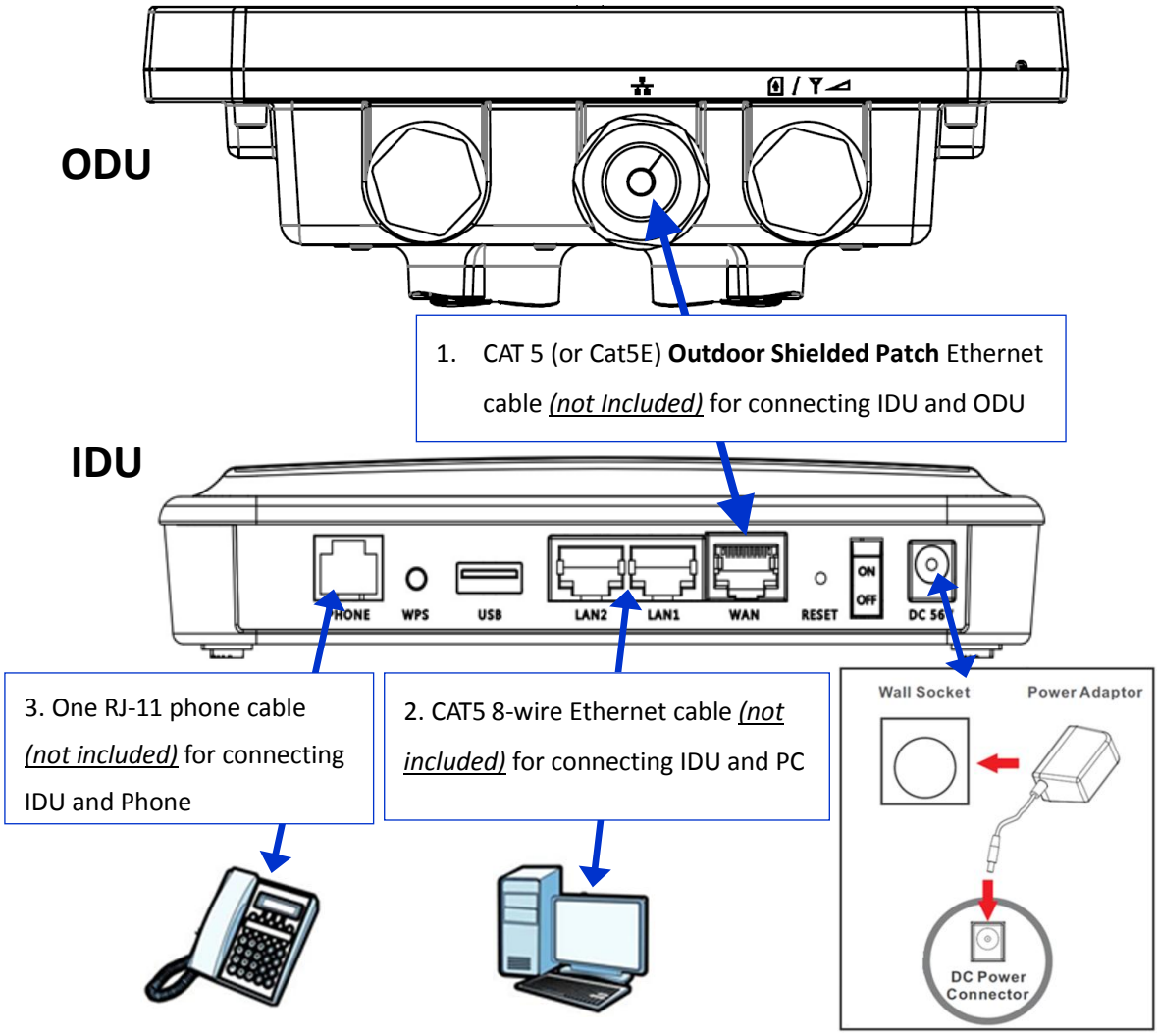
4. Connect IDU to ODU

CAUTION

DO NOT CONNECT A COMPUTER OR A SWITCH DIRECTLY TO THE IDU'S POE PORT DUE TO THE HIGH POE POWER (56V).

Connect the IDU, ODU & IDU Hardware Connections

1. Connect the CAT 5 Ethernet cable which is already connected to the ODU to the IDU's RJ-45(WAN) POE port.(Suggest to use Cat5E shielded Patch Cable, and must not exceed 100m).
2. Connect the Ethernet cable from computer to one of the IDU's Ethernet Ports.
3. Connect the RJ11 (Phone Line cable) to the Phone Port for using VoIP.
4. Connect the supplied power adapter to this IDU device. The Power LED will remain steady green when device is ready.



5. Easy Setup

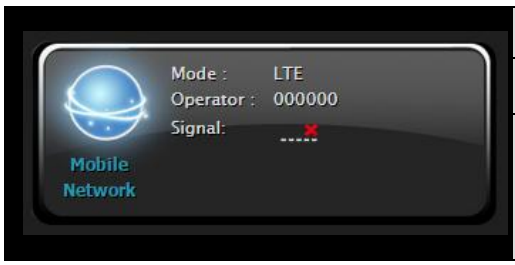
Physical connection as following (Refer to Installing Device Instruction).

- Make sure there is a SIM in ODU(SIM CARD SLOT).
- Connect IDU(WAN) and ODU(RJ45 & POE POWER SLOT) via Ethernet cable.
- Use power adapter to connect IDU(Power).
- Connect IDU(ETHERNET PORTS) and PC via Ethernet cable.

Please follow the steps below to configure your device through the web interface:

Step1: Open the Web browser (Internet Explorer) and enter the default IP address of the ODU CPE, which is : **http://192.168.254.251**
Default username/password: **admin/admin**

Step2: The page shown here gets displayed in your browser after login; you can now configure the device settings. Signal Strength indicator on the upper-left corner of webpage.



Mode:	**LTE**
Operator:	**APN Name**
Signal:	(More bar means better signal) (Disconnect, no signal)

6. Wi-Fi Setting

Step1: Select WIFI from main menu. Then screen will display the default setting of SSID, radio channel, working mode, and SSID broadcast.

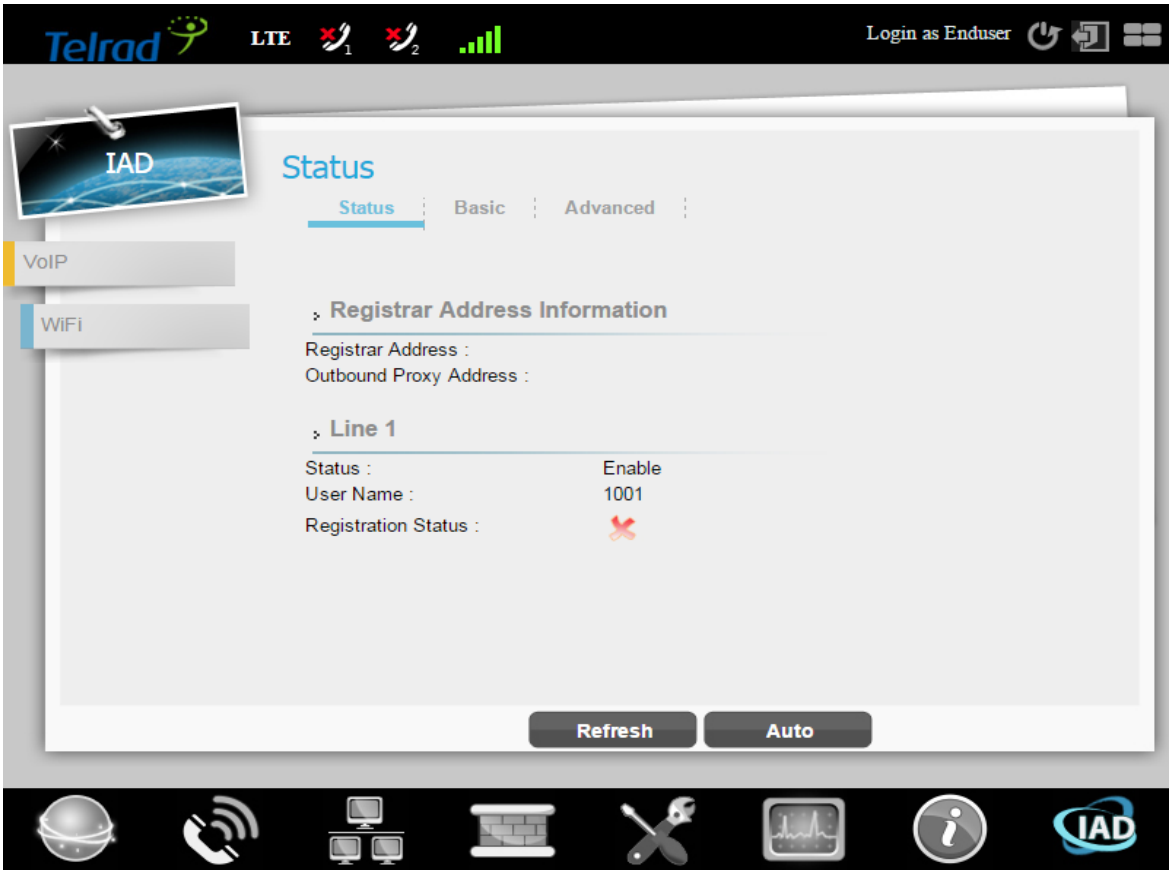
Step2: You could specify a radio channel, working mode, bandwidth in Settings page.

7. Make Phone Call

The VoIP settings should be provided by your VoIP service provider.
VoIP doesn't support "flash + number" feature.

Using a telephone connected to the **PHONE** port on IDU device, and making a call to another phone (either an Internet phone, or a regular PSTN number). If you are able to call the other number, your VoIP setup is working properly. Follow these directions to make calls over the Internet:

- To dial a SIP number, press the numbers on your phone's keypad to make the call.
- To call regular telephone numbers, use your VoIP service provider's dialing plan.
- For call forward service, contact your service provider to know if they support this feature.
- To receive a call through the IDU, the other party must have your SIP number and a SIP account of their own.



Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this 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.

IMPORTANT NOTE:

Radiation Exposure Statement:
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.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Country Code selection feature to be disabled for products marketed to the US/CANADA

Industry Canada statement:

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

(1) This device may not cause interference; and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme aux CNR exemptes de licence d'Industrie Canada. Son fonctionnement est soumis aux deux conditions suivantes:
(1) Ce dispositif ne peut causer d'interférences; et(2) Ce dispositif doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

Radiation Exposure Statement:
This equipment complies with IC 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.

Déclaration d'exposition aux radiations:
Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.