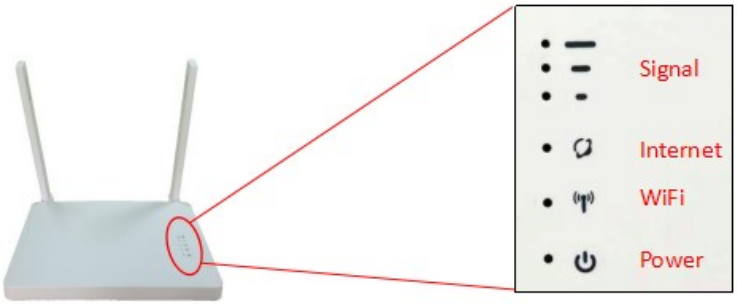
EP3011 Quick Installation Guide

1. Product Overview

1.1 Interface

(1) Interfaces

(2) LEDs



Interface & Button	Description
SW	Power On/Off
POWER	24VDC, 1A
WAN	1 RJ45, WAN 10/100/1000 auto-sensing, auto-MDX, 24V 0.5A PoE
RST	Long press over 10 seconds to restore factory settings
LAN	2 RJ45, LAN 10/100 auto-sensing, auto-MDX

No.	Name	Status	Description
1	Power	Steady On	Power On
		OFF	No Power Supply
2	WLAN	Steady On	Wi-Fi enabled
		OFF	Wi-Fi disabled
		Blinking	Wi-Fi is starting
3	LTE (if connect to LTE ODU)	Steady On	LTE is connected
		OFF	LTE is disconnected
		Blinking	LTE is starting

No.	Name	Status	Description	
4	Signal (if connect to LTE ODU)	Steady On	The more the lights on, the stronger the signal	
		OFF	No signal or weak signal	
		Blinking	Only the first LED on the left is blinking	Scanning the LTE network
			The two LEDs on the left are blinking	Attaching to the LTE network
			Three LEDs blinking	Attached successfully

2. Specifications

Item	Description
Standard	IEEE 802.11b/g/n/ac(WA) or 802.11bgn(WN)
Channel Bandwidth	20MHz, 40MHz or 20MHz, 40MHz, 80MHz
Frequency	2.4GHz, 5GHz or 2.4G only
TXRX	2T2R
MIMO	2×2
Peak Rate	802.11b: 11Mbps 802.11g: 54Mbps 802.11n: 300Mbps 802.11ac: 866Mbps
Modulate	DSSS/CCK, OFDM
Sensitivity	-64 dBm@65Mbit/s, typical for 802.11n/ac -65 dBm@54Mbit/s, typical for 802.11g -76 dBm@11Mbit/s, typical for 802.11b
Antenna Type	Internal omni-antenna
Antenna Gain	5dBi

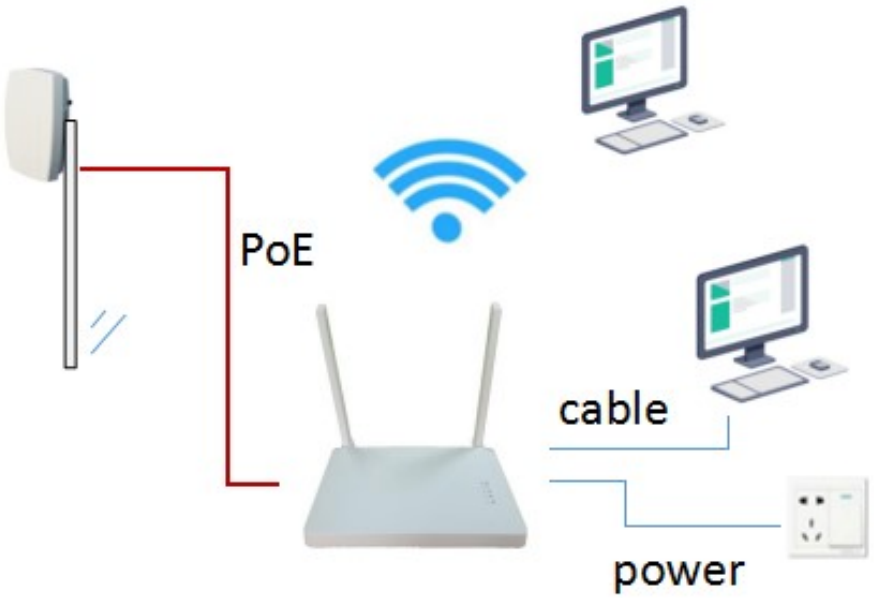
3. Installation Guide

3.1 Support Materials

Before installation, prepare the following support materials:

Item	Description
Ethernet cable	Outdoor Shield CAT5E Shorter than 330 feet
Ground wire	16mm² yellow-green wire

3.2 Installation



CAUTION:

NO OTHER DEVICES ARE ALLOWED TO BE CONNECT WITH IDU's WAN PORT EXCEPT BAICELLS' OUD PRODUCTS (EG7035E/L and EG7010A/C)

Operations in the 5.15-5.25GHz band are restricted to indoor usage only.

4. Configuration Guide

4.1 Log in

The EP3011 manages, configures, and maintains the device by web management page. The steps to log in are as follows:

1. In the address column of browser, type in **http://192.168.150.1**, then press "**Enter**", login in page is shown in Figure 4-1.

Figure 4-1 Login Page

2. Enter the user name and password, click "**LOGIN**". After password authentication, you can log on to the web management page.

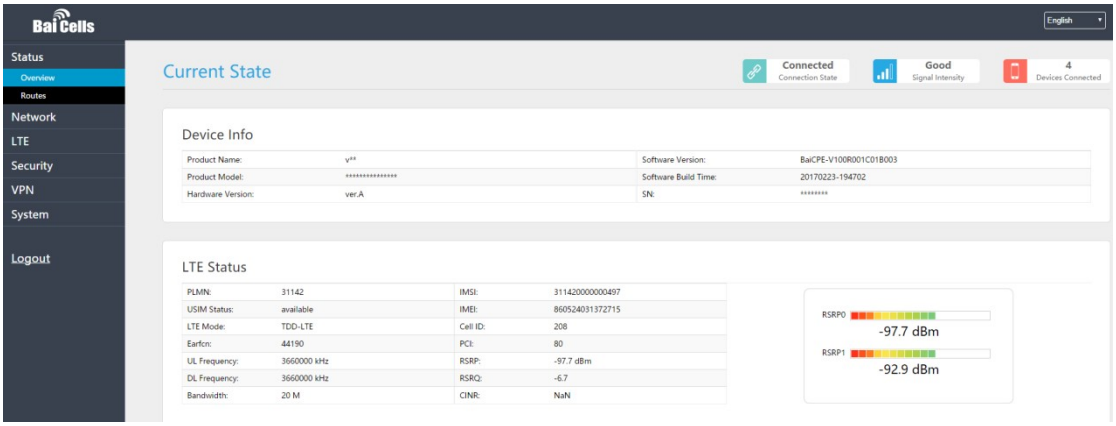
   The default user name and password is admin.

For security, it is recommended that you open the firewall, and keep your login password, WLAN FTP passwords and password well.

4.2 View Status

In the overview area, you can view the device information and LTE status, such as Product name, Software version, PLMN, IMSI, RSRP, RSRQ, CINR, SINR, Tx Power, Cell ID, PCI, and so on, as shown in Figure 4-2.

Figure 4-2 View Status



4.3 Basic Configuration

4.3.1 LTE Setting

To set the LTE Network, perform the following steps:

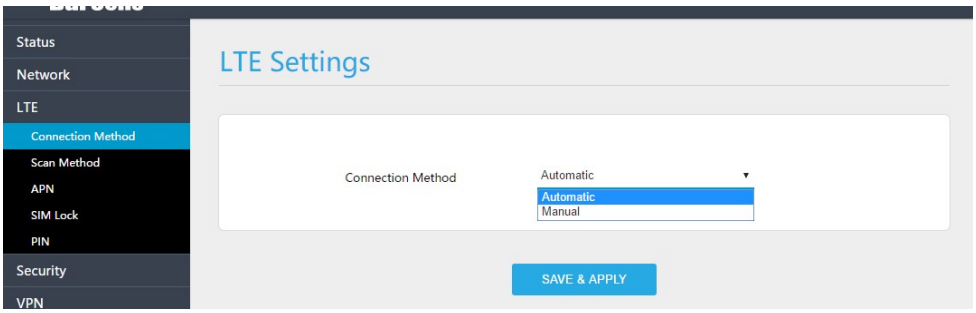
1. Choose **LTE**.
2. In the LTE Setting area, configure the LTE network.

4.3.2 Set Connection Method

To set the LTE network connection method, perform the following steps:

1. Choose "**LTE>connection Method**", enter the setting connection method page, as shown in Figure 4-3.

Figure 4-3 Set Connection Method



2. In the connection Method area, set the connection method
3. There are two methods to connect the LTE network, it is needed to choose a method between Auto and Manual, if you want to auto connect to the LET network you should choose the Auto, otherwise you should choose Manual.
4. Click “**SAVE & APPLY**”.

Regulatory Compliance

FCC Compliance

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 or more 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.

Warning

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

ISEDC Compliance

This device complies with Innovation, Science, and Economic Development Canada licence-exempt RSS standard(s).

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.

Le présent appareil est conforme aux CNR d'Innovation, Science et Développement économique Canada applicables aux appareils radio exempts de licence.
L'exploitation est autorisée aux deux conditions suivantes:
(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter, End-Users must be provided with transmitter operation conditions for satisfying RF exposure compliance.