ATOM OD06 - EG7010C-M11 USER Manual

01

1. Shipping List

Make sure you have got the following parts:

EG7010C	Quick Guide
PoE Adapter	**Power Cord**
Standard Mounting Kits	
Optional Mounting Kits	

2. Hardware Introduction

2.1 Indicators

Identity	Description	Color	Status	Description
MIU	-	Yellow	OFF	Reserved.
			Steady On	Reserved.
			Blanking	Reserved.
LTE	Network state Indicator	Blue	OFF	LTE disconnected.
			Steady On	LTE connected.
SIM	SIM card status indicator	Yellow	Steady On	The SIM card is normal.
			Blanking	The SIM card is abnormal or not inserted.
LAN	100Mbps Eth Indication	Yellow	OFF	Ethernet connection does not established.
			Steady On	Ethernet connection is normal.
			Blanking	Data is transmitting.
PWR	Power Indicator	Yellow	OFF	No Power Supply
			Steady On	Power On
LTE Signal	5 LTEs, Indicate	Green	All OFF	Signal is too weak to attach.
			Steady On	According to signal strength in turn light

Identity	Description	Color	Status	Description
	connection state and signal strength			up
			Blanking	Scanning the LTE network
				The CPE is authenticating.
				CPE is getting IP address from the LTE network.

2.2 Interface and Buttons

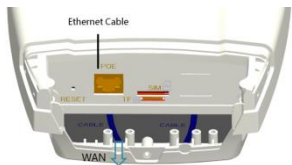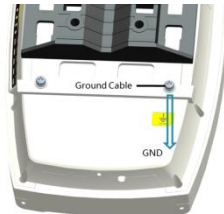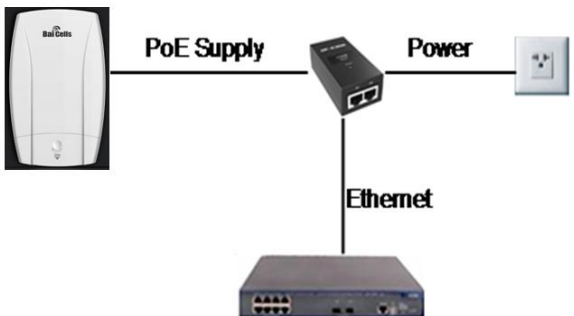| Interface & Button	Description
PoE	Connected to the PoE Power Adapter
TF	Support SD card
SIM	Support 1.8V/3.0V USIM 2FF
RESET	Long press over 10 seconds to restore the factory settings
GND	Connected to Earth by conductor

3. Installation Guide

3.1 Support Materials

Before installation, prepare the following support materials accordingly, as given below:

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

3.2 Install USIM Card and Cables

(1) Screw the screw on the waterproof cover, and open the waterproof cover	(2) Insert the USIM card to the USIM slot. Note following the directions
(3) Connect the Ethernet cable to the PoE port	(4) connect the ground cable to the ground screw
 (5) Close the waterproof cover and fasten the screw on the cover. (6) Connected Ethernet cable to the power adapter. Pay attention to the power adapter interface directions. (7) Power on, the LED indicator will light up.	

4. Configuration Guide

4.1   4.1 Login

The CPE 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**":
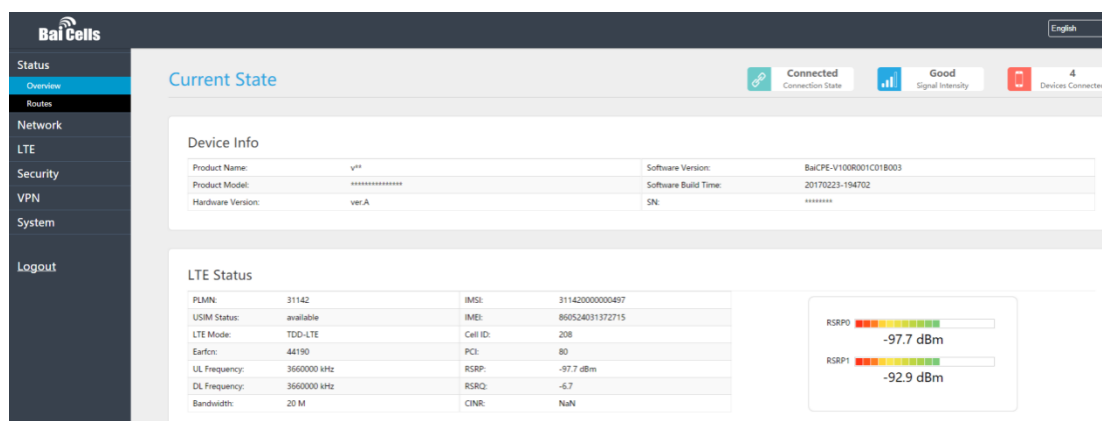

2.   Enter the user name and password, click "**LOGIN**". After password authentication,

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 below:

5. Specifications

Basic Specifications

Item	Description
UE-Category	3GPP R10, CAT 6/7
USIM Slot	1.8V/3.0V USIM 2FF
Ethernet Port	1 RJ45, LAN, 10/100/1000 auto-sensing, auto-MDX, PoE
Power Supply	Input: Universal range 100V~240V AC Output: PoE (24V DC, 0.5A)
Reset Button	Tactile button. Long press over 10s to restore the factory settings
LED Indicators	MIU/LTE/SIM/LAN/PWR/LTE Signal
Dimensions	241mm (H) x 154mm (W) x 50mm (D)
Weight	About 900 g

LTE Specifications

Item	Description
LTE Mode	LTE-TDD
LTE Bands	Band 48
TXRX	2T4R

Channel Bandwidth	5MHz, 10MHz, 15MHz, 20MHz
Modulation	QPSK, 16QAM
Receive Sensitivity	-94dBm @ QPSK,20MHz, 25°C
MAX Output Power	26dBm
Antenna Type	Internal directional-antenna
Antenna Gain	11dBi@3.xGHz, 2 Ports
Polarization	±45°
Antenna Efficiency	>70%
Isolation	≤-25dB
VSWR	≤2
Horizontal Beam Width (3dB)	60±3°@3.xGHz, 2 Ports
Vertical Beam Width (3dB)	25±5°@3.xGHz, 2 Ports

SW Specifications

Item	Description
Language Support	English/Chinese
Network Mode	NAT/Bridge/Tunnel
IP Protocol	IPv4/IPv6
SIM Management	PIN Management, SIM Lock
Network Connection Management	Auto/Manual
LTE Scan Mode	Full band scan, Frequency Lock
WLAN	• WPS • MSSID Isolation • VLAN

VPN	• L2TP • GRE
NAT	• Port forwarding • DMZ • ALG • Port Trigger
Firewall	• IP/MAC/URL Filter • Access Control • Block Port Scanner / SYN Flood • SPI Filter
Network Management	• TR069 • SNMP
Diagnostics	• TCPDump • Ping • Trace route
Statistics	• LTE Status/Connection Time/System Up Time • Device Status • DHCP Client List • WiFi Station List • LTE Status • Firewall Status
Maintenance	• Date & Time setting • Reboot • Restore factory settings • Restore / Back up configuration file • Firmware upgrade locally/OTA (over the air)
System Log	• Operating Log • Run-time Log • Filter/Select/Display/Export Log

Environmental Specifications

Item	Description
Operating Temperature	-40°C to 55°C
Storage Temperature	-40°C to 70°C

Item	Description
Operating Humidity	5% to 95%
Ingress Protection Rating	IP65

6. 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 20cm between the radiator & your body.