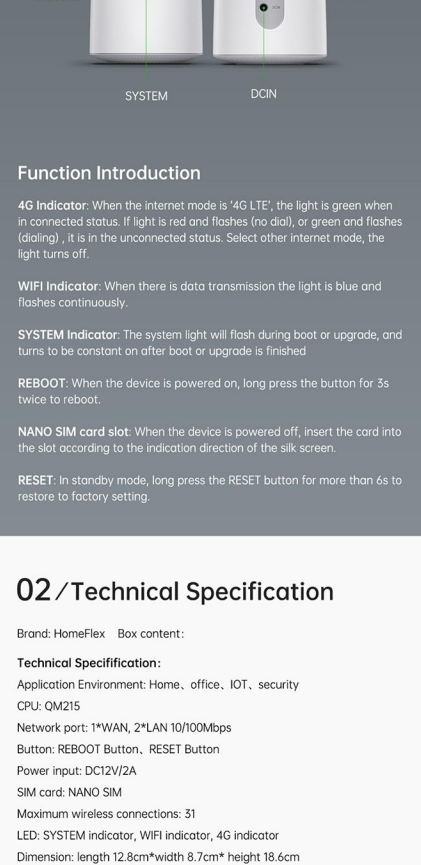


01/ Product Overview



Function Introduction

- 4G Indicator:** When the internet mode is '4G/LTE', the light is green when connected to service. If light is red and flashes (no dial), or green and flashes (dialing), it is in the unconnected status. Select other internet mode, the light turns off.
- WIFI Indicator:** When there is data transmission the light is blue and flashes continuously.
- SYSTEM Indicator:** The system light will flash during boot or upgrade, and turns to be indicator on after boot or upgrade is finished.
- REBOOT:** When the device is powered on, long press the button for 5s twice to reboot.
- NANO SIM card slot:** When the device is powered off, insert the card into the slot according to the indication direction of the silk screen.
- RESET:** In standby mode, long press the RESET button for more than 6s to restore to factory setting.

02/ Technical Specification

Brand: HomeFlex Box content:

Technical Specification:

Application: Entertainment, Home, office, IoT, security

CPU: QM215

Network port: 1*WAN, 2*LAN 10/100Mbps

Button: REBOOT Button, RESET Button

Power input: DC12V/12A

SIM card: NANO SIM

Maximum wireless connections: 31

LED: SYSTEM indicator, WIFI indicator, 4G indicator

Dimension: length 12.8cm*width 8.7cm*height 18.6cm

Antenna: 2* 2.4G, 2* 5G, 2* 4G

Radio frequency: 2.4GHz, 5GHz

Wireless standard: IEEE802.11 a/b/g/n/ac

LTE FDD Band: B1/2/3/4/5/7/8/19/12/13/17/18/19/20/25/26/28/66

LTE TDD Band: B34/38/39/40/41(194M)

WCDMA: B1/2/4/5/6/8/19

GSM: B2/3/5/8

4G LTE theoretical maximum upstream: 50Mbps

4G LTE theoretical maximum downlink: 150Mbps

Working environment

Working Temperature: Normal 0°C to +45°C

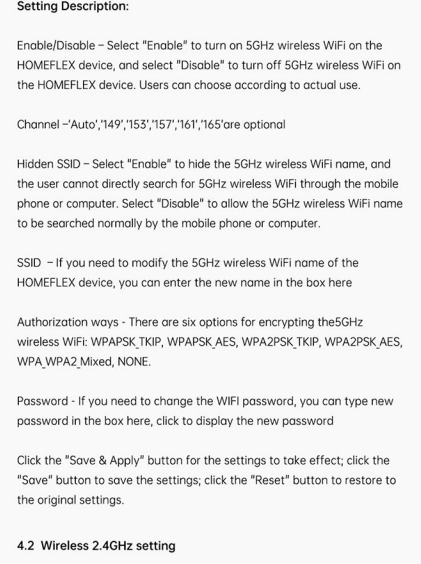
Storage Temperature: -20°C to 75°C

Working Humidity: 10% to 90%

Storage Humidity: 10% to 90%

03/ Quick Start Guide

- Download GlocaMe APP**
Download and install GlocaMe app on your mobile phone.
 - Register a GlocaMe Account(in App)**
Press "Login" register.
Follow the step to register an account (You can register by email or mobile number)
 - Activate HomeFlex**
GlocaMe AppDeviceAdd Device
Scan the device QR-code at the bottom of HomeFlex
Ornd device IMEI/Password for manual setup
 - Turn on HomeFlex**
Plug in adapter, it will power on automatically.4G/WIFI/SYS indicator lights are on
 - Connect the Wi-Fi**
Find SSID and Password at the bottom of HomeFlex
Connect your mobile device in Wi-Fi setting
- Or you can also plug in the network cable through the LAN port and connect to your computer and other devices



04/ General questions

- How to deal with the problem if I can't access to network?**
 - Please confirm whether the input information of connecting to the HOMEFLEX WIFI is correct, such as username and password, etc.
 - If step 1 didn't solve your problem, please reboot HOMEFLEX and try to connect.
 - If step 1 and step 2 still didn't solve the problem, please restore the HOMEFLEX to factory setting and try again after reboot.
 - Contact customer service for technical support.
- How to deal with the problem if I forget the WIFI password?**
 - Try to use default password s7kks68to log in
 - Log into the HOMEFLEX background, click network-> wireless 5GHz/wireless 2.4GHz in the navigation bar to obtain WIFI password
 - If you forget the login password of HOMEFLEX background, try to restore factory setting.
- How to restore factory setting?**

Method 1: long press the RESET button for 6s until all the indicator flashes, release the button and wait until the HOMEFLEX reboot is finished.

Method 2: log into the HOMEFLEX background, click system->reboot->execute reboot in the navigation bar, after the system is finished the reset is done.
- How to deal with the problem if I can't log into HOMEFLEX**
 - If you connect to HOMEFLEX with cable, please check if the connection is normal
 - Please confirm that the IP address of HOMEFLEX background is correct, the right IP is 192.168.169.1
 - Restore factory setting and try again.

05/ HOMEFLEX Background Management Interface Guide

- Log into the system management background**

Power on HOMEFLEX and wait a few seconds until it start-up normally, you can use phone or computer to connect. The default password is s7kks68q. You can also use cable to connect the device LAN with computer network port.

After connect to HOMEFLEX successfully, open the browser of your phone or computer, enter the HOMEFLEX background IP address 192.168.169.1 into the browser address bar, press enter key and it will jump to the background page, as shown in Figure 1-1.

Figure 1-1

The default login username and password is the same: "admin".

Click the "Login" button to log in to the management background, and click the "Reset" button to clear the password field.
- Overview of management background interface**

The page after entering the management background is shown in Figure 2-1. The management background interface is mainly divided into two parts, the left side is the guide bar, and the middle part is the content bar. The guide bar displays various function menus of the management background, and the content bar displays detailed content corresponding to each function guide.

Figure 2-1

The specific function configuration of the guide bar is shown in Table 1.

First-level guide bar	Secondary guide bar	Description
Status	Overview	Current device system status, network status, DHCP allocation status, and dynamic DNS status
Internet	WAN	The connection setting includes five ways to access to Internet: DHCP, wired connection, Static (static IP address), PPPoE (dial-up internet) and 4G/LTE
	LAN	LANLAN address settings, DHCP server settings
	Firewall	Enable and disable Firewall, port forwarding
	Wireless 2.4GHz	Wireless 2.4GHz setting, wireless MAC filter setting
	Wireless 5GHz	Wireless 5GHz setting, wireless MAC filter setting
System	Administration authority	Change the administrator's password of the device, select the language
System	Reset/Upgrade	Restore to factory setting, flash new firmware
	Reboot	Reboot system
Service	Dynamic DNS	The dynamic DNS supports users in setting a IP accessible domain name for host with dynamic IP
Logout		Click to exit the management interface
- Status Overview**

Click "Status - Overview", as shown in Figure 3-1, users can view the current system status, network status, DHCP allocation, DHCPv6 allocation status, and dynamic DNS status of the device in the content bar. The status overview is shown in Table 2.

Figure 3-1

Category	Content	Description
System	Model	GLM21A02
	Firmware Version	Display the current firmware version of the device
	SN	Unique identifier of the device
System	Local Time	Current local time
	Run time	Device runtime
Internet	IPv4 WAN status	IPv4 WAN status
	IPv6 WAN status	IPv6 WAN status
DHCP Allocation	DHCP assigns device host name, IPv4-address, and MAC-address	
Service	DHCPv6 assigns device host name, IPv6-address, DUID DHCP unique identifier	
Logout	Dynamic DNS Configuration, next update, host name / domain name, registered IP address, network	

- Network**
 - Wireless 5GHz setting**

Click "Network - Wireless 5GHz*" in the navigation bar to enter the 5GHz wireless WiFi setting interface, as shown in Figure 4-1

Figure 4-1

Setting Description:

Enable/Disable - Select "Enable" to turn on 5GHz wireless WiFi on the HOMEFLEX device, and select "Disable" to turn off 5GHz wireless WiFi on the HOMEFLEX device. Users can choose according to actual use.

Channel - "Auto", "149", "153", "157", "161", "165" are optional

Hidden SSID - Select "Enable" to hide the 5GHz wireless WiFi name, and the user cannot directly search for 5GHz wireless WiFi through the mobile phone or computer. Select "Disable" to allow the 5GHz wireless WiFi name to be searched normally by the mobile phone or computer.

SSID - If you need to modify the 5GHz wireless WiFi name of the HOMEFLEX device, you can enter the new name in the box here

Authorization ways - There are six options for encrypting the 5GHz wireless WiFi: WPA2PSK_TKIP, WPA2PSK_AES, WPA2PSK_TKIP, WPA2PSK_AES, WPA2PSK_Mixed, NONE.

Password - If you need to change the WiFi password, you can type new password in the box here, click to display the new password

Click the "Save & Apply" button for the settings to take effect; click the "Save" button to save the settings; click the "Reset" button to restore to the original settings.
 - Wireless 2.4GHz setting**

Click "Network - Wireless 2.4GHz*" in the navigation bar to enter the 2.4GHz wireless WiFi setting interface, as shown in Figure 4-2

Figure 4-2

Setting Description:

Enable/Disable - Select "Enable" to turn on 2.4GHz wireless WiFi on the HOMEFLEX device, and select "Disable" to turn off 2.4GHz wireless WiFi on the HOMEFLEX device. Users need to choose according to actual use.

Channel - channels 1-13 are optional

Hidden SSID - Select "Enable" to hide the 2.4GHz wireless WiFi name, and the user cannot directly search for 2.4GHz wireless WiFi through the mobile phone or computer. Select "Disable" to allow the 2.4GHz wireless WiFi name to be searched normally by the mobile phone or computer.

SSID - If you need to modify the 5GHz wireless WiFi name of the HOMEFLEX device, you can enter the new name in the box here

Authorization ways - There are six options for encrypting the 2.4GHz wireless WiFi: WPA2PSK_TKIP, WPA2PSK_AES, WPA2PSK_TKIP, WPA2PSK_AES, WPA2PSK_Mixed, NONE.

Password - If you need to change the WiFi password, you can type new password in the box here, click to display the new password

Click the "Save & Apply" button for the settings to take effect; click the "Save" button to save the settings; click the "Reset" button to restore to the original settings.
 - Wireless MAC Filter**

Click "Network - Wireless MAC filter*" in the navigation bar to enter the wireless MAC filter setting interface, as shown in Figure 4-3

Figure 4-3

Setting Description:

Wireless MAC Filter - You can select disable, whitelist or blacklist in the MAC filter bar. "Disable" means closing the filter function. If you choose whitelist or blacklist, you need to click to type address in address bar or customized address bar. The description box is a brief introduction of the address. Click to remove selected MAC address.

Click the "Save & Apply" button for the settings to take effect; click the "Save" button to save the settings; click the "Reset" button to restore to the original settings.
 - WAN Setting**

Click "Network - WAN" in the navigation bar to enter the external network connection settings. The default external network connection mode is "4G LTE", as shown in Figure 4-4(1).

Figure 4-4(1)

The HOMEFLEX device includes five ways to access to internet: DHCP, wired connection, Static (static IP address), PPPoE (dial-up internet) and 4G/LTE. Click "network mode" to select one, as shown in Figure 4-4(2).

Figure 4-4(2)

If you choose the other four network modes except "4G LTE", you need another router for HOMEFLEX and choose "static IP", make sure the IP address is on the same network segment with the external router.

 - 4G LTE**

Select the mode "4G LTE" to switch to 4G Internet access, as shown in Figure 4-1-1. The initial default WAN-internet connection mode is "4G LTE".

Figure 4-4-1

Setting Description:

Network Type - 4G LTE

DNS Server - Users can choose automatic allocation or manual allocation, depending on situation

DNS Server 1 - Enter the manually assigned DNS server address. DNS server addresses do not support domain names, only IP addresses

DNS Server 2 - Enter the manually assigned DNS server address. DNS server addresses do not support domain names, only IP addresses

Click the "Save & Apply" button for the settings to take effect; click the "Save" button to save the settings; click the "Reset" button to restore to the original settings.
 - Mobile network settings**

Click "system - mobile network settings" in the navigation bar, the interface of the mobile network settings is as follow:

Figure 4-4-2

 - Select card mode

If you choose cloud card in the drop-down list, it means registering network with cloud card. If you choose physical card, it means registering network with physical card. Don't forget to power off HOMEFLEX when you install/uninstall the physical card.
 - One-key switch network

Click "One-key switch network", the HOMEFLEX will search the local place for as cloud network and report them to server. The server selects a better operator as mobile card.
 - APN setting in physical Sim mode

Click "edit" button, the APN information form switch to edit mode and the edit button change to save button. Edit the APN information then click save button.
 - Reset mobile network setting

Click the button to restore the mobile network setting to factory setting. If you have problem in using mobile network, you can try to use the reset function.
 - 4.4.3 DHCP (automatic acquisition)**

Select "DHCP (automatic acquisition)" to switch to the DHCP Internet access mode, as shown in Figure 4-4-3.

Figure 4-4-3

Setting Description:

Network Type - DHCP (automatic acquisition)

DNS Server - Users can choose automatic allocation or manual allocation, depend on situation

DNS Server 1 - Enter the manually assigned DNS server address. DNS server addresses do not support domain names, only IP addresses

DNS Server 2 - Enter the manually assigned DNS server address. DNS server addresses do not support domain names, only IP addresses

Click the "Save & Apply" button for the settings to take effect; click the "Save" button to save the settings; click the "Reset" button to restore to the original settings.
 - 4.4.4 Wired Bridge**

Select "Wired Bridge" to switch to "Wired Bridge Internet Mode", as shown in Figure 4-4-4.

Figure 4-4-4

Setting Description:

Network Type - Wired Bridge

DNS Server - Users can choose automatic allocation or manual allocation, depending on situation

DNS Server 1 - Enter the manually assigned DNS server address

DNS Server 2 - Enter the manually assigned DNS server address

Click the "Save & Apply" button for the settings to take effect; click the "Save" button to save the settings; click the "Reset" button to restore to the original settings.
 - 4.4.5 Static (static IP)**

Select "Static (static IP)" to switch to the static IP Internet access mode, as shown in Figure 4-4-5.

Figure 4-4-5

Setting Description:

Network Type - Static (static IP)

IP address - static IP address

Subnet mask - Subnet mask

Gateway - Address of the superior gateway

DNS Server 1 - Enter the manually assigned DNS server address. DNS server addresses do not support domain names, only IP addresses

DNS Server 2 - Enter the manually assigned DNS server address. DNS server addresses do not support domain names, only IP addresses

Click the "Save & Apply" button for the settings to take effect; click the "Save" button to save the settings; click the "Reset" button to restore to the original settings.
 - 4.4.6 PPPoE Mode (PPPoE dial-up internet)**

Select "PPPoE (PPPoE dial-up internet)" to switch to PPPoE dial-up internet access mode, as shown in Figure 4-4-6.

Figure 4-4-6

Setting Description:

Username - dial-up account name

Password - dial password

DNS Server - Users can choose automatic allocation or manual allocation, depending on situation

DNS Server 1 - Enter the manually assigned DNS server address. DNS server addresses do not support domain names, only IP addresses

DNS Server 2 - Enter the manually assigned DNS server address. DNS server addresses do not support domain names, only IP addresses

Click the "Save & Apply" button for the settings to take effect; click the "Save" button to save the settings; click the "Reset" button to restore to the original settings.

- LAN Setting**
 - LAN address setting**

Click "Network - LAN" in the navigation bar to enter the intranet settings interface, as shown in Figure 4-5-1.

Figure 4-5-1

Setting Description:

IP address - Type IP address

Subnet mask - Type Subnet mask

Click the "Save & Apply" button for the settings to take effect; click the "Save" button to save the settings; click the "Reset" button to restore to the original settings.
 - DHCP Server**

Click "Network - LAN" in the navigation bar to enter the DHCP server setting interface, as shown in Figure 4-5-2.

Figure 4-5-2

Setting Description:

Enable/disable - Select "Enable" to start the HOMEFLEX device DHCP server, and select "Disable" to stop the HOMEFLEX device DHCP server. It depends on the using case.

DHCP start address - Type DHCP start address

DHCP end address - Type DHCP end address

DNS Server 1 - Enter the DNS server address. DNS server addresses do not support domain names, only IP addresses

DNS Server 2 - Enter the DNS server address. DNS server addresses do not support domain names, only IP addresses

Click the "Save & Apply" button for the settings to take effect; click the "Save" button to save the settings; click the "Reset" button to restore to the original settings.
 - Firewall**
 - Basic setting**

Click "Network - Firewall- General Settings" in the navigation bar to enter the firewall setting interface. You can set the firewall on / off, as shown in Figure 4-6-1

Figure 4-6-1

Setting Description:

Allow / Deny access - You can choose "deny" or "allow" according to your requirement.

Click the "Save & Apply" button for the settings to take effect; click the "Save" button to save the settings; click the "Reset" button to restore to the original settings.
 - Port forwarding**

Click "Network - Firewall-Port Forwarding" in the navigation bar to enter the firewall - port forwarding setting interface, you can view the port name, matching rules, forwarding conditions and enabling conditions, you can also create new port forwarding. As shown in Figure-6-2.

Figure 4-6-2

Setting Description:

Name - Set up a new port forwarding

Protocol - Users can select "TCP + UDP", "TCP", "UDP" and "Other" options

External zone - Users can only select "WAN"

External port - Type external port manually

Internal zone - Users can only select "LAN"

Internal IP address - Type internal address manually

Internal port - Type internal port manually

Click " to finish adding the port.

Click the "Save & Apply" button for the settings to take effect; click the "Save" button to save the settings; click the "Reset" button to restore to the original settings.

07/ Warning

EU Regulatory conformance

This device should be operated with a minimum distance of 20 cm between the radiator and your body. Hereby, HONG KONG UCLOUDLINK NETWORK TECHNOLOGY LIMITED declares that this device is in compliance with the essential requirements and other relevant provisions of Directive (RED) 2014/53/EU.

FCC Regulatory conformance

This device should be operated with a minimum distance of 20 cm between the radiator and your body. 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.

Note: This equipment has been tested and complies 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 during installation. If the device does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is suggested to try to correct the interference by the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and receiver.
- Connect the equipment to an outlet on a different circuit to the receiver.
- Consult the manufacturer or an experienced radio/TV technician for help.

Information on the disposal and recycling of the device.

This symbol (with or without a solid bar) on the device, batteries (if included), and/or the packaging, indicates that the device and its electrical accessories (for example, a headset, adapter, or cable) and batteries should not be disposed of as household garbage. These items should not be disposed of as unsorted municipal waste and should be taken to a certified collection point for recycling or proper disposal. For detailed information about device or battery recycling, contact your local city or household waste disposal service, or retail store.

Disposal of the device and batteries (if included) is subject to WEEE.

Directive Recast (Directive 2012/19/EU) and Battery Directive (Directive 2006/66/EC). The purpose of separating WEEE and batteries from household waste is to minimize the potential environmental impacts and human health risk of any hazardous substances that may be present.

Do not disassemble or modify, do not short-circuit, do not dispose in fire, do not expose to high temperature, do not dispose after soaking. Do not squeeze or burn the battery. Do not continue to use.