

<u>LTE Router</u> <u>User Guide</u>





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 or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- <u>Connect the equipment into an outlet on a circuit different from that to which the</u> 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 grantee of this device could void the user's authority to operate the equipment



RF Exposure Statement

To comply with FCC RF exposure compliance requirements, the antenna used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons (indoor), and at least 48cm from all persons (outdoor). It must not be co-located or operating in conjunction with any other antenna or transmitter.

Safety Warnings

RF Exposure Statement

Do not use any other power adaptor except the one that accompanies this unit or a power adaptor identified in the list below.

The use of another adapter could result in damage to the unit.

The following power adaptor is qualified for use with this HomeFi LTE Router.

The unit must be powered by a model DCT18W120150US-A0 AC/DC adaptor.

Caution

<u>Connect the power cord of the power adapter to a socket outlet with a grounding</u> <u>connection.</u>



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Chapter 1 Introduction

HomeFi's LTE Router provides HomeFi customers with an improved solution for 4G LTE home service. The innovative design of the LTE Router allows customers to connect their favorite devices to HomeFi's 4G Network.

1.1. Unboxing Information

Inside the product package for the LTE Router, you should find the following items:

- LTE Router x 1
- Ethernet Cord x 1
- 2.4GHz WiFi antenna x 2
- 5.0GHz WiFi antenna x 2
- LTE Antenna x 2
- Power Adaptor x 1



1.2. Front and Rear Panel

Front & Rear Panel

WIFI ANTENNAS

4 External Antennas
2 x 2.4GHz

2 x 2.4GHz
2 x 5.8GHz

• 2 x 5.8GHz

LTE ANTENNAS

– 2 External Antennas

• 2 x LTE

ETHERNET PORTS

O 5 Ethernet Ports

- 4 x LAN1 x WAN
- I X W/

INDICATOR LIGHTS

- Power
 - VS (vSIM) Indicator
 - LTE
 - 2.4GHz Wi-Fi
 - 5GHz Wi-Fi
 - WPS
 - LAN 1-4
 - WAN
 - LTE Signal Strength Levels 1-3

LED	STATE	FUNCTION
DOWED	ON	Device power on.
rower	OFF	Device power off.
	ON	LTE is connected.
LTE	Flash	Device is transmitting data over LTE.
	OFF	LTE is not working.
	ON	The 2.4GHz/5GHz Wi-Fi is on.
2.4GHz/5GHz Wi-Fi	Flash	Device is transmitting data over 2.4GHz/5GHz Wi-Fi.
	OFF	The 2.4GHz/5GHz Wi-Fi is off.
WPS	Flash	WPS is activated and ready to connect.
WF5	OFF	WPS is not activated.
	ON	LAN port is connected.
LAN 1-4	Flash	Device is transmitting data via the port.
	OFF	LAN port is not connected.
	ON	WAN port is connected.
WAN	Flash	Device is transmitting data via WAN port.
	OFF	WAN port is not connected.
	All OFF	Device is not connecting over LTE.
LTE Signal	1 LED	LTE signal strength is low.
Strength	2 LED	LTE signal strength is medium.
	3 LED	LTE signal strength is high.

INTERFACE	DESCRIPTION
WPS/Reset	Press and hold the button for about 1~5 seconds to activate WPS, and hold for more than 5 seconds to reset the device.
WAN	Connect to the Cable/xDSL Modem or the Ethernet.
LAN1-4	Connect to the user's PC or network devices.
Power	Connect to the power adapter provided in the package.



Chapter 2 Self-Setup and Activation

2.1. Installation, Activation, and Setup

Please take out the activation card from the shipping box.

Front side
<u>This should be printed with a URL/QR code</u>



Back side

Please do not remove anything from the device box yet.



When installing the LTE Router, make sure that the front side of the device faces towards the direction of the 4G signal (window).





2.2. WPS Connection to a Wi-Fi Extender

<u>WPS can be used to pair your LTE Router to a Wi-Fi Extender instead of connecting the</u> <u>Wi-Fi Extender via the SSID (network name) and password, by following these steps:</u>

- 1. Press and hold the button for about 1 5 seconds to activate WPS.
- 2. <u>Press and hold the WPS button on the Wi-Fi Extender, ensuring the device</u> is in range of the LTE Router.
- 3. <u>The WPS will illuminate to indicate pairing success</u>



Chapter 3

Accessing the Web User Interface: Log In and Set Up: Setup Wizard

<u>3.1. Login</u>

After turning on the LTE Router connect to it via Wi-Fi by following these steps:

- 1. Locate the default SSID (network name) and the default Wi-Fi key (password) on the sticker located on the bottom of the router.
- 2. <u>On your mobile device, access the Wi-Fi settings menu. Select the SSID</u> (network name) and enter the default Wi-Fi key (password) from Step 1.
 - a. Either 2.4G SSID or 5G SSID is fine to connect to.

Model: LTE Router			
Product: CPE-0001			
Input: 12V = 1.5A			
Default Wi-Fi details	Default router login details		
2.4G SSID: CPE-0001-2.4G-XXX	X IP address: http://192.168.0.1		
5G SSID: CPE-0001-5G-XXXX	Username: admin		
Wi-Fi Key: xxxxxxxxxx	Password: admin		
MAC: 00:e0:4c:81:96:c5	SN: BL25xxxxxx		
Device ID: BL25xxxxxx			
FCC ID: GVQ-CPE-0001 Made in China Contains FCC ID: 2AJYU-8MH0011			

After connecting to Wi-Fi, access the Web User Interface by following this step:



1. <u>On your mobile device, navigate to an internet search browser, and input</u> the IP address of 192.168.0.1, then click enter.



After navigating to the Web User Interface, log in by following this step:

1. On your mobile device, login to the Web User Interface's Home Page using the default user name of admin and the default password which will be a series of letters and numbers. Both of these can be found on the sticker located on the bottom of the router.

Model: LTE Router	
Product: CPE-0001	admin
Input: 12V = 1.5A	
Default Wi-Fi details Default router login details	Password
2.4G SSID: CPE-0001-2.4G-XXXX IP address: http://192.168.0.1	
5G SSID: CPE-0001-5G-XXXX Username: admin	
Wi-Fi Key: xxxxxxxxx Password: admin	
MAC: 00:e0:4c:81:96:c5 SN: BL25xxxxxx	
Device ID: BL25xxxxxx	Log In
FCC ID: GVQ-CPE-0001 FC Made in China Contains FCC ID: 2AJYU-8MH0011 FC	

3.2 Setup Wizard

After logging into the LTE Router, the Setup Wizard will appear. The Setup Wizard will guide users along the LTE Router configuration steps, it is imperative they follow the guide step by step.



Setup Wizard

The setup wizard will guide you through how to configure this router for the first time. Please follow the setup wizard step by step.





The Operation Mode page is used to toggle the LTE Router between different operational modes; Gateway, Bridge/AP mode, and Wireless ISP.

To ensure your device works on your pre-selected HomeFi data plan, you must start by selecting Gateway, you can always go back and change this selection at a later time if you wish.



Step 2: WAN Interface Setup

FW:v1.1.4	Home	Wizard	Settings	Features	کِنَکُ Management	CS Logout
	Step 2:	WAN Inter	face Setup			
	WAN Act	cess Type: Dyr	namic IP	~		
	Clone MAC	C Address: 0000	00000000		Clone MAC	
	Ena	ble VLAN:				
	Cancel	< <back< td=""><td>Next>></td><td></td><td></td><td></td></back<>	Next>>			

The WAN Interface Setup page is used to set the WAN Access Type.

You do not need to set up the WAN Interface at this moment, you can always go back and set it up at a later time.

Skip this step and click Next.



Step 3: LAN Interface Setup

FW:v1.1.4	Home	\$ Wizard	Settings	Features	کې Management	S Logout
	Step 3	: LAN Interl	ace Setup			
	Su	IP Address: 192. bnet Mask: 255.	168.0.1 255.255.0			
	Cancel	< <back< td=""><td>Next>></td><td>•</td><td></td><td></td></back<>	Next>>	•		

The LAN Interface Setup page is used to configure the IP Address and Subnet Mask if you are connecting an external router to the LTE Router via LAN.

You do not need to set up the LAN Interface at this moment, you can always go back and set it up at a later time.



Step 4: Set Admin Account

FW:v1.1.4	Home	F Wizard	Settings	Features	کېک Management	Correction
	Step 4	: Set Admir	Account			
	New	Password: •••••				
	Confirmed	Password: ••••••				
	Cancel	< <back< td=""><td>Next>></td><td></td><td></td><td></td></back<>	Next>>			

The Set Admin Account page is used to set the new user interface (router log-in) password.

The pre-set user and password can be found on the sticker located on the bottom of the router.

Model: LTE Router			
Product: CPE-0001			
Input: 12V = 1.5A			
Default Wi-Fi details	Default router login details		
2.4G SSID: CPE-0001-2.4G-XXXX	IP address: http://192.168.0.1		
5G SSID: CPE-0001-5G-XXXX	Username: admin		
Wi-Fi Key: xxxxxxxxxx	Password: admin		
MAC: 00:e0:4c:81:96:c5	SN: BL25xxxxxx		
Device ID: BL25xxxxxx			
FCC ID: Made in China Contains F	GVQ-CPE-0001 CC ID: 2AJYU-8MH0011		



Step 5: Setup Wireless



The Setup Wireless page is used to set the SSID and password for both the 2.4GHz and 5GHz Wi-Fi networks.

It is also used to enable or disable either of the Wi-Fi networks.





Step 6: Automatic Reboot



Change setting successfully!

Do not turn off or reboot the Device during this time.

Please wait 0 seconds

The LTE Router will reboot once you have clicked the finished button on Step 6 to apply the changes you have made.

<u>Remember to connect back to the router's broadcasted Wi-Fi network to connect to it</u> again.

Remember, you may have changed what that looks like in the previous step.



<u>Chapter 3</u> <u>Accessing the Web User Interface: Understanding the Home Page</u>

3.3. Home Page/Main Section

After completing the Setup Wizard, the Home Page of the LTE Router will appear.

The Home Page is where users can check the connection status between the LTE Router and the Internet, and adjust settings such as Wi-Fi options, parental controls, and more.

3.3.1 Banner



At the top of the Home Page, a banner consisting of icons is presented. Each of these icons represents a sub-section, we will explore each sub section in this guide. We have already explored the Wizard sub-section earlier in this chapter. To the left of the icons, the current firmware version (FW) of the LTE Router is displayed.

3.3.2 Network Map



Internet	CPE-0001	Connected Clients: 1

The Network Map is located in the middle of the Home Page. The line between the Internet Globe, the LTE Router, and the Internet devices on the map indicate the connection status between them.

A solid green line indicates a successful connection, whereas a red line with an x in the idle indicates that there is no connection.

If there is a red line with an x in the idle between the Internet Globe and the LTE Router, there is no 4G LTE connection present. If there is a red line with an x in the idle between the Internet Globe and the LTE Router it is an indication that there is no Wi-Fi connection between the LTE Router and Internet devices either over Wi-Fi or via LAN.

The Internet Globe image, the LTE Router image, and the Desktop Image are all clickable and reveal menus.

3.3.3 Internet





IMEI3

350679960034483

SIM Type

Embedded SIM

<u>The Internet section is divided into three distinct sections: IPv4, IPv6, and Mobile</u> <u>Network.</u>

IMEI2

863969060008655

3.3.3.1 IPv4 or Internet Protocol Version 4

IMEI1

863969060007152

SN smc111240xgc7



	IPv4 IPv	6 Mobile Network	
MAC Address	Connection Type	Network Status	Connection Uptime
48:c8:62:08:a8:42		Disconnected	
IP Address	Default Gateway	Primary DNS Server	Secondary DNS Server
Not Available	Not Available	Not Available	Not Available

ltem	Description
MAC Address	The MAC Address or the Media Access Control address is a unique serial number in the network circuitry of every Ethernet and Wi-Fi device.
Connection Type	Dynamic Host Configuration Protocol Version
Network Status	The connection status between the LTE Router and the internet when using the WAN port.
Connection Uptime	<u>The period of time the LTE Router has been connected to</u> <u>the internet.</u>
<u>IP Address</u>	An IP address, or Internet Protocol address, is a series of numbers that identifies any device on a network.
<u>Default Gateway</u>	The IP address of another router your LTE Router sends traffic too.
Primary DNS Server	The first touchpoint for a browser asking where to find a site.
Secondary DNS Server	The second touchpoint for a browser asking where to find a site in the case that the Primary DNS Server is unavailable.



3.2.2.2 IPv6 or Internet Protocol Version 6



ltem	Description
MAC Address	The MAC Address or the Media Access Control address is a unique serial number in the network circuitry of every Ethernet and Wi-Fi device.
Connection Type	Dynamic Host Configuration Protocol Version
<u>Network Status</u>	The connection status between the LTE Router and the internet when using the WAN port.
Connection Uptime	The period of time the LTE Router has been consistently connected to the internet.
IP Address	An IP address, or Internet Protocol address, is a series of numbers that identifies any device on a network.
<u>Default Gateway</u>	<u>The IP address of another router your LTE Router sends</u> <u>traffic too.</u>
Primary DNS Server	<u>The first touchpoint for a browser asking where to find a site.</u>
Secondary DNS Server	The second touchpoint for a browser asking where to find a site in the case that the Primary DNS Server is unavailable.



3.2.2.3 Mobile Network



<u>ltem</u>	Description
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Signal Intensity	The cellular signal strength of the LTE Router.
<u>Network Provider</u>	The local cellular network your LTE Router connects to.
Network Status	The connection status between the LTE Router and the internet when using eSIM.
Connection Uptime	<u>The period of time the LTE Router has been connected to</u> the internet.
IP Address	An IP address, or Internet Protocol address, is a series of numbers that identifies any device on a network.
<u>Default Gateway</u>	<u>The IP address of another router your LTE Router sends</u> traffic too.
Primary DNS Server	The first touchpoint for a browser asking where to find a site.
Secondary DNS Server	<u>The second touchpoint for a browser asking where to find a site in the case that the Primary DNS Server is unavailable.</u>
<u>IMEI (1,2,3)</u>	IMEI or International Mobile Equipment Identity is a unique number for identifying a device on a mobile network.
SIM Type	Whether the LTE Router is connecting to the internet via Embedded Sim or Physical Sim.
<u>SN</u>	The LTE Router's Serial Number.

3.3.4 LTE Router





CPE-0001

	IPv4 Network	IPv6 Network			
MAC Address:	48:c8:62:08:a8:41	Link-Local Address:	fe80::4ac8:62ff:fe08:a841		
Router IP Address:	192.168.0.1	Router IPv6 Address: Not Available			
Subnet Mask: 255.255.255.0					
	System		CPU		
Uptime:	3 Days 0:59:51	CPU Usage:	18.00%		

epuiller	0 Dajo 0100101		j			
Build Time:	Mon Sep 26 09:41:47 CST 2022		Memory (Free/Total):	51776/106080		
Wi-Fi 2.4GHz			Wi-Fi 5GHz			
Status:	Up		Status:	Up		
Wi-Fi Name (SSID):	CPE-0001-2.4G-a841		Wi-Fi Name (SSID):	CPE-0001-5G-a841		
Encryption:	WPA2-WPA3-Mixed		Encryption:	WPA2-WPA3-Mixed		
BSSID:	48:c8:62:d8:a8:41		BSSID:	48:c8:62:58:a8:41		
Channel Number:	7		Channel Number:	161		

<u>Clicking the LTE Router image provides a combined overview of the same internet</u> <u>sections that were found under the Global Internet Image.</u>

ltem	Description
MAC Address	The cellular signal strength of the LTE Router.



Router IP Address	The LTE Router's IP address.
Subnet Mask	A number that resembles an IP address. It reveals how many bits in the IP address are used for the network by masking the network portion of the IP address
Link-Local Address	A network address that is valid only for communications within the subnetwork that the host is connected to.
Router IPv6 Address	A numeric label that is used to identify and locate a network interface of a computer or a network node participating in a computer network using IPv6.
<u>CPU Usage</u>	The percentage of total CPU capacity being used at any given time.
<u>Memory (Free/Total)</u>	The amount of memory used.
<u>Status</u>	An indication of whether or not the 2.4GHz and 5GHz Wi-Fi networks are emitting.
<u>WiFi Name (SSID)</u>	The network name.
Encryption	The encryption type currently being used to secure your wireless network with an authentication protocol.
BSSID	Basic Service Set Identifier.
Channel Number	The Wi-Fi channel your LTE Router is emitting Wi-Fi through.



3.2.1 Connected Clients



There is a clickable number and logo above the Connected Client's image which represents the number of devices connected at any given point in time.

<u>ltem</u>	Description
<u>Hostname</u>	Name(s) of the connected personal devices to the LTE Router's emitted Wi-Fi network.
IP Address	An IP address, or Internet Protocol address, is a series of numbers that identifies any device on a network.



	The MAC Address or the Media Access Control address is a
MAC Address	unique serial number in the network circuitry of every Ethernet
	and Wi-Fi device.

Chapter 3

Accessing the Web User Interface: Settings

3.4. Settings

After selecting the wrench tool icon on the banner atop the GUI, the Settings of the LTE Router will appear.

FW:v1.1.4	Image: Construction	27	3		<u></u>	Ň
	Home	Wizard	Settings	Features	Management	Logout

The Settings is where users can toggle the LTE Router between Embedded and Physical Sim, rename the default SSID (network name), change the default Wi-Fi password, set the Wi-Fi security mode, scan for access points, enable or disable WPS functions, and set the Wi-Fi band as either 2.4GHz or 5.0GHz, amongst other features. It is divided into five distinct sections which all have their own subsections.

<u>3.4.1 WAN</u>

<u>The WAN page is used to configure the parameters for the internet network that connects</u> to the WAN port of the LTE router. The page is divided into six distinct sections, those being Default Route, SIM Mode, IPv4, IPv6, Status, and VLAN.





3.4.1.1 Default Route

FW:v1.1.4		$\widehat{\mathbf{G}}$		4		4	ζζζ.	Ň	
		Home	Wizard	Setti	ngs Feature	s Man	agement	Logout	
Ø	Ę		6		цц		VPN		
WAN	Operation Me	ode	Wi-	Fi	LAN		VPN		
You can select which WA	N connection as the o	default gatev	way route.						
Default Route	SIM Mode	IP	v4	IPv6	Sta	Status		VLAN	
		De	efault Mode:	Cellular	×	~			
	Enable \	NAN failover	to Cellular:	\checkmark					
			Save &	Apply					

<u>The Default Route page enables the user to select which WAN connection (WAN1 or</u> <u>Cellular) provides the source of the internet to the LTE Router.</u>



<u>Selecting "enable WAN failover to Cellular", allows the LTE Router to automatically</u> <u>continue providing internet through Embedded Sim, if the router that you connected to it</u> <u>via the WAN port has failed.</u>

3.4.1 SIM Mode



<u>The SIM Mode page is used a toggle between a Physical SIM inserted in the router for</u> <u>internet and an Embedded SIM is built into the router for internet.</u>

Embedded SIM

	mefi							
FW:v1.1.4		Home	Wizard	Settings	Features	S		(S)
Ø WAN	Operation M	ode	Wi-	Fi	LAN		VPN VPN	20900
This page is used to sw	itch between a Physica	al SIM card ir	nserted into	the router and the	Virtual SIM card b	ouilt into th	e router.	
Default Route	SIM Mode	IP۱	/4	IPv6	Statu	IS	VLA	N
			SIM Mode:	Virtual SIM	~			
FW:v1.1.4			Save & A	Apply	88	5	أ	8
		Home	Wizard	Settings	Features	Mana	igement	Logout
WAN	Operation M	ode	Wi-	Fi	LAN		VPN	
This page is used to sw	itch between a Physica	al SIM card ir	nserted into	the router and the	Virtual SIM card b	ouilt into th	e router.	
Default Route	SIM Mode	IPv	4	IPv6	Statu	s	VLA	N
			SIM Mode:	Embedded SI	м			
			Save & /	Apply				

Make sure that Embedded SIM is selected so that your LTE Router will work on your HomeFi data plan.



When using a Physical SIM card, toggle to Physical SIM and a menu will appear. Once you have inputted your desired changes click "Save & Apply".

<u>The LTE Router will reboot with your saved changes after 30 seconds. Be sure to connect</u> to the LTE Router's Wi-Fi network once the reboot is complete.

FW:v1.1.4		Home	Wizar	d Settings	Features	{کې Managen	nent Logout
Ø	Ę			P	цт.		VPN
WAN	Operation M	ode	Wi	-Fi	LAN		VPN
This page is used to sw	itch between a Physica	al SIM card	d inserted into	the router and the Vi	rtual SIM card bui	It into the ro	uter.
Default Route	SIM Mode	I	Pv4	IPv6	Status		VLAN
			SIM Mode:	Physical SIM	~		
			User Name:				
			Password:				
			APN:	internet			
			PIN:				
			Auth Method:	AUTO	\sim		
			Manual APN:				
			Save &	Apply			

<u>Physical SIM</u>



<u>ltem</u>	Description
<u>SIM Mode</u>	Physical Sim or Embedded SIM
<u>User Name</u>	The username associated with your physical sim data plan.
Password	The password associated with your physical sim data plan.
<u>APN</u>	The APN provided by your internet service provider.
<u>PIN</u>	The PIN provider by your internet service provider.
Auth Method PAP	Password Authentication Protocol
Auth Method CHAP	Challenge-Handshake Authentication Protocol

<u>3.4.1.1 IPv4</u>

<u>The IPv4 page is used to toggle between three WAN Access Types (modes) that can be</u> <u>used; DHCP, Static IP, and PPPoE. A fourth mode is available and takes the form of a</u> <u>VLAN tag and can be used if necessary.</u>

FW:v1.1.4	۲. C		2		£Q}	R
	Home	Wizard	Settings	Features	Management	Logout
Ø	Ţ	~		ı.	VPN	
WAN	Operation Mode	Wi-Fi		LAN	VPN	

The IPv4 page is used to configure the parameters for the Internet network which connects to the WAN port of the router. On this page, you may change the access method to static IP, DHCP, and PPPoE by clicking the item value of the WAN Access Type.

Default Route	SIM Mode	IPv4	IPv6	Status	VLAN



3.4.1.1.1 DHCP (Dynamic IP)



The IPv4 page is used to configure the parameters for the Internet network which connects to the WAN port of the router. On this page, you may change the access method to static IP, DHCP, and PPPoE by clicking the item value of the WAN Access Type.

	Connect name:	WAN1	~	
	Enable:	\checkmark		
	WAN Access Type:	Dynamic IP (DHCP)	~	
	MTU:	1500	(1280-1500 by	tes)
	Option 43:	\checkmark		
	Clone MAC Address:	00000000000	Clor	ne MAC
	Enable VLAN:			
	Save &	Apply		

Selecting the Dynamic IP (DHCP) WAN Access Type will enable the router to automatically obtain IP addresses, subnet masks, and gateway addresses.

<u>Selecting Dynamic IP (DHCP) WAN Access Type also enables you to set the MTU to allow</u> <u>smaller or larger data packages to flow into the LTE Router. You should not have to</u> <u>adjust this metric.</u>

For large locations such as an office building or campus with a large grouping of computers or other devices all located in the same place, VLAN can be enabled.



<u>ltem</u>	Description	
<u>MTU</u>	Minimum Transmission Unit (to be kept as default).	
VLAN ID	Identifies the VLAN to which a data frame belongs.	



3.4.1.1.2 Static IP



The IPv4 page is used to configure the parameters for the Internet network which connects to the WAN port of the router. On this page, you may change the access method to static IP, DHCP, and PPPoE by clicking the item value of the WAN Access Type.

SIM Mode	IPv4	IPv6	Status	VLAN
	Connect name:	WAN1	~	
	Enable:	\checkmark		
	WAN Access Type:	Static IP	~	
	IP Address:	192.168.50.183		
	Subnet Mask:	255.255.255.0		
	Default Gateway:	192.168.50.1		
	MTU:	1500	(1400-1500 by	rtes)
	DNS 1:	192.168.50.1		
	DNS 2:			
	Clone MAC Address:	00000000000	Clo	ne MAC
	Enable VLAN:			
	Save &	Apply		
		Connect name: Enable: WAN Access Type: IP Address: Subnet Mask: Default Gateway: MTU: DNS 1: DNS 2: Clone MAC Address: Enable VLAN:	Connect name: WAN1 Enable: ✓ WAN Access Type: Static IP IP Address: 192.168.50.183 Subnet Mask: 255.255.255.0 Default Gateway: 192.168.50.1 MTU: 1500 DNS 1: 192.168.50.1 DNS 2:	Connect name: WAN1 Enable: Image: Connect name: WAN Access Type: Static IP WAN Access Type: Static IP IP Address: 192.168.50.183 Subnet Mask: 255.255.255.0 Default Gateway: 192.168.50.1 DNS 1: 192.168.50.1 DNS 2: Image: Clone MAC Address: Clone MAC Address: 00000000000 Enable VLAN: Image: Clone MAC Address:

<u>Selecting the Static IP Access Type will enable the router to support Static IP as a WAN</u> <u>connection type.</u>



<u>ltem</u>	Description
IP Address	The cellular signal strength of the LTE Router.
<u>Subnet Mask</u>	A number that resembles an IP address. It reveals how many bits in the IP address are used for the network by masking the network portion of the IP address
Default Gateway	The IP address of another router your LTE Router sends traffic too.
<u>DNS 1</u>	Domain Name System 1
<u>DNS 2</u>	Domain Name System 2
<u>MTU</u>	Minimum Transmission Unit (to be kept as default).
VLAN ID	Identifies the VLAN to which a data frame belongs.


<u>3.4.1.1.2 PPPoE</u>



The IPv4 page is used to configure the parameters for the Internet network which connects to the WAN port of the router. On this page, you may change the access method to static IP, DHCP, and PPPoE by clicking the item value of the WAN Access Type.

Default Route	SIM Mode	IPv4	IPv6	Status	VLAN
		Connect name:	WAN1	~	
		Enable:	\checkmark		
		WAN Access Type:	PPPoE	~	
		User Name:			
		Password:			
		Service Name:			
		MTU:	1492	(1360-1492 by	tes)
		Connection Type:	Continuous	~	
		Clone MAC Address:	00000000000	Clor	ne MAC
		Enable VLAN:			
		Save &	Apply		



Selecting the PPPoE Access Type will enable the router to support

as a WAN connection type.

ltem	Description
VLAN ID	Identifies the VLAN to which a data frame belongs.
Service Name	LTE Router
MTU	Minimum Transmission Unit (to be kept as default).
<u>Connection Type:</u> <u>Continuous</u>	<u>Continuous</u>
<u>Connection Type:</u> <u>Connect on Demand</u>	Connect on Demand
<u>Connection Type:</u> <u>Manual</u>	Manual

3.4.1.2 IPv6

FW:v1.1.4		ß		٩,		τζ.	ŝ
		Home	Wizard	Settings	Features	Management	Logout
Ø	Ę		~		ал	VPN	
WAN	Operation M	ode	Wi-Fi		LAN	VPN	
The IPv6 page is used to configure the parameters for the Internet network which connects to the WAN port of the router.							
Donaan roomo							
		Er	nable IPv6:]			
		Save & Apply	1	Reset			



3.4.1.2.1 STATIC

By enabling IPv6, a collapsable menu will appear, enabling the user to toggle between three distinct origin types, STATIC, AUTO, and 6RD.

FW:v1.1.4		Home Wi	zard Se	ettings	Features	{\\\ Management	Cogout
æ	E		<u>_</u>		ů.	V	PN
WAN	Operation M	ode	Wi-Fi		LAN	VF	PN
The IPv6 page is used	to configure the parame	eters for the Internet	network which	connects to	the WAN port of	f the router.	
Default Route	SIM Mode	IPv4	IP۱	/6	Status	V	/LAN
		Enable IP	v6: 🗸				
		Origin Ty	pe: STATIC		~		
		IP Addre	ss: 0000: 0000	: 0000: 000	00: 0000: 0000:	0000: 0000/ 0	
		Default Gatew	ay: 0000: 0000	: 0000 : 000	00: 0000: 0000:	0000: 0000/ 0	
		DI	NS: 0000: 0000	: 0000: 000	00: 0000: 0000:	0000: 0000/ 0	
		Enable MLD Pro	xy: 🗸				
		Save & Apply		Reset			

ltem	Description



IP Address	The cellular signal strength of the LTE Router.
<u>Default Gateway</u>	The IP address of another router your LTE Router sends traffic too.
<u>DNS 1</u>	Domain Name System
MLD Proxy	Multicast Listener Discovery

3.4.1.2.2 AUTO



<u>ltem</u>	Description
-------------	-------------



Stateful Address	DHCP will supply an IPv6 address.
Stateless Address	DHCPv6 server does not provide IP addresses at all.
DUID	The DUID identified a DHCPv6 device.
<u>PD</u>	Prefix Delegation
<u>MLD Proxy</u>	Multicast Listener Discovery

3.4.1.2.1 6RD

🔗 ho	me <mark>f</mark> i						
FW:v1.1.4		Home	Wizard	Settings	Features		
(Ø) WAN	Operation M	ode	Wi-Fi	Gennys	LAN	VPI	N
The IPv6 page is used	to configure the param	eters for the Int	ernet network	which connects t	o the WAN port o	of the router.	
Default Route	SIM Mode	IPv4		IPv6	Status	VI	AN
		Enal Orig 6RD IPv	ble IPv6: 🗹 gin Type: 6RL r6 Prefix: 0000	: 0000: 0000; 00	000: 0000: 0000	: 0000; 0000/ 0	
	6RD Bor	WAN IPv4 / der Relay IPv4 /	Address: Get fr Address: 0.0.0	rom DHCP 0	/ 0		
			DNS: 0000	: 0000: 0000: 00	000: 0000: 0000	: 0000: 0000/ 0	
		Enable ML	D Proxy: 🗸				
		Save & Apply		Reset			

<u>ltem</u>	Description
6RD IPv6 Prefix	WAN IPv6 prefix delegation.
WAN IPv4 Address	WAN IPv4 Address.
<u>6RD Border Relay IPv4</u> <u>Address</u>	Border Relay IPv4 Address
<u>DNS</u>	Domain Name System
<u>MLD Proxy</u>	Multicast Listener Discovery

3.4.1.3 Status





The Status page will display the status of each WAN connection; WAN1, WAN2, WAN3, WAN4.



3.4.1.4 VLAN

FW:v1.1.4		Home	Wizar	⁻ d Se	ettings	Features	کې Manage	ment	Cogout
Ø	Ę		a.			ф		VPN	
WAN	Operation M	ode	Wi	i-Fi		LAN		VPN	
The VLAN page contain	ns the entries below wi	thin the tab	le which are	used to conf	ïgure VLA	N settings.			
Default Route	SIM Mode	IF	Pv4	IP۱	/6	Status		VLA	N
		VLAN	NID(1-4095):	1					
		VLAN	Priorith(0-7):	VLAN Prio	ority 0	~			
		□ LAN1	LAN2	🗆 LAN3		4			
			Save &	& Apply					
Current VLAN Table									
VLAN ID	VLAN Priority		Tagge	d Ports		Untagged Po	orts	Se	elect
			Delete S	Selected					

The VLAN page is used to configure the VLAN settings.



3.4.2.2 Operation Mode

<u>The Operation Mode page is used to toggle the LTE Router between the different</u> <u>operational modes; Gateway, Bridge Mode, and Wireless ISP.</u>

FW:v1.1.4	Home	Wizaro	Settings	Features	کې Management	Cogout
(#) WAN	Operation Mode	Wi-	Fi	LAN	VPN VPN	
You can setup different mode	es to LAN and WLAN inter	face for NAT an	d bridging function.			
		Gateway: 🤇	In this mode, the an ADSL/Cable M share the same I type can be set u client or static IP.	router is suppose lodem. The NAT is P to ISP through th p on the WAN pag	d to connect to the inte s enabled, and PCs in he WAN port. The con ge by using PPPOE, D	ernet via LAN ports nection HCP
		Bridge/AP: (In this mode, all e together. The NA functions and fire	ethernet ports and T function is disab walls are not supp	wireless interfaces an led. All the WAN relate ported.	e bridged ed
		Wireless ISP: (In this mode, all wireless client wi and PCs in ether wireless LAN. Yo page. The conne using PPPOE, D	ethernet ports are Il connect to the IS net ports share the u can connect to ti ction type can be HCP client or stati	bridged together and 1 SP Router. The NAT is a same IP to the ISP th he ISP AP via the Site set up on the WAN par c IP	he enabled nrough -Survey ge by
	Save & A	pply	Reset			

The LTE Router must remain on Gateway mode to work with your HomeFi data plan.



<u>3.4.3 Wi-Fi</u>

F١	W:v1.1.4	Home	Wizard	Settings	Features	کې Management	S Logout
	Ø WAN	Operation Mode	(Second Second S		LAN	VPN VPN	

The Wi-Fi section is used to configure the LTE Router's Wi-Fi settings.



3.4.3.1 Basic



This page is used to configure the parameters for wireless LAN clients which may connect to the router. Here you may change the wireless encryption settings as well as the wireless network parameters.

Basic	Security	ACL	Site Survey	WPS	Wi-Fi Schedule
	Disable	WLAN interface: Wireless LAN Interface:	2.4GHz	~	
		Country or Region:	UNITED STATES	\sim	
		Band:	2.4 GHz (B+G+N)	\sim	
		Mode:	AP	\sim	
			Multiple AP		
		SSID:	CPE-0001-2.4G-a841		
		Channel Width:	20MHz	~	
		Control Sideband:	Upper	~	
		Channel Number:	7	~	
		Broadcast SSID:	On	~	
		WMM:	On	\sim	
		Data Rate:	Auto	\sim	
		Associated Clients:	Show Active Clier	nts	
	Enable Ur	niversal Repeater Mode:			
		Save & Apply	Reset		



The Basic page is used to toggle between and set up both the 2.4GHz and 5.0GHz Wi-Fi interfaces (bands).

Wi-Fi as a feature can also be shut off on this page by selecting the 'Disable Wireless LAN Interface' box.

The LTE Router's SSID (network name) and guest SSID can both be edited on this page. Edits include the ability to rename the SSID and toggle its broadcasting status (whether or not it comes up as an option when users are viewing available Wi-Fi networks to connect to on their mobile devices). In addition, users can view Associated Clients which provides a list of all devices connected to the LTE Router's Wi-Fi network at that exact moment.

For more technically savvy users, the Wi-Fi channel width, sideband, and number can all be toggled from within the Wi-Fi page as well.



ltem	Description			
<u>Disable Wireless LAN</u> Interface	You may choose to enable or disable the wireless function.			
<u>Wireless Band</u>	Default is "Mixed 802.11b/g/n". It is strongly recommended that you set the Band to "802.11b/g/n", that way all 802.11b, 802.11g, and 802.11n wireless stations can connect to the LTE Router.			
Multiple AP	You can set the guest SSID from this button.			
<u>Network Type</u>	You can configure the WLAN network type with this parameter.			
<u>SSID</u>	Set a Wi-Fi name (SSID) for your wireless network. If you switch to Client Mode, this field becomes the SSID of the AP you want to connect with.			
<u>Channel Width</u>	Select a proper channel bandwidth to enhance wireless performance. When there are 11b/g and 11n wireless clients, please select the 802.11n mode of 20/40MHz frequency band.			
<u>Control Sideband</u>	Control channels are only applicable if your gateway is operating at 40 MHz bandwidth and the 802.11n mode is configured as Automatic.			
Channel Number	For optimal wireless performance, you may select the least interferential channel. It is advisable that you select an unused channel or "Auto" to let the LTE Router detect and select the best possible channel for your wireless network to operate on from the drop-down list.			



Broadcast SSID	You may choose a visible or invisible SSID broadcast. When it is enabled, the LTE Router's SSID will be broadcast in the wireless network so that it can be scanned by wireless clients and they can join the wireless network with this SSID.
<u>WMM</u>	WMM provides basic Quality of service (QoS) features to IEEE 802.11 networks. WMM prioritizes traffic according to four Access Categories: voice, video, best effort, and background.
Associated Clients	This option shows you all the clients who are connected to a SSID.
<u>Enable Universal</u> <u>Repeater Mode</u>	Repeater mode.

<u>Selecting Show Active Clients leads to the Active Wireless Client Table which displays a</u> <u>list of the current devices that are connected to the LTE Router at any given point in time.</u>



Selecting Multiple AP leads to a view of the wireless settings for multiple APs.

FW:v1.1.4		Home	Wizard	Settings	Features	کې Management	S Logout			
Ø	Ę		*		ла.	VPN				
WAN Operation		Mode	e Wi-Fi		LAN	VPN				
This page show	This page shows and updates the wireless setting for multiple APs.									
Basic Security		ACL	ACL Site Survey		WPS	Sched	ule			
No Enable	Band	SSID	Broad	cast SSID	Active Client List	WI AN m	ada			





This page allows you to setup wireless security. Turning on WEP or WPA by using Encryption Keys could prevent unauthorized access to the router's wireless network.

Basic	Security	ACL	Site Survey	WPS	Wi-Fi Schedule		
		Select SSID:	Root AP - CPE-0001-	2.4G- 🗸			
		Encryption:	WPA2-WPA3-MIXED	~			
		Authentication Mode:	O Enterprise (RADIUS) Personal (Pre-Shar	ed Key)		
		WPA2 Cipher Suite:	TKIP AES				
	Manager	nent Frame Protection:	onone capable required				
	Р	re-Shared Key Format:	Passphrase	~			
		Pre-Shared Key:	•••••				
		Save & Apply	Reset				



3.4.3.2 Security

The Security page is used to set the Wi-Fi encryption type.

ltem	Description
<u>Encryption</u>	Select the security mode from the Encryption drop down list. There are 4 options in the Security Mode drop down list: Disable WEP WPA2 WPA-Mixed
Enterprise (RADIUS)	Remote Authentication Dial In User Service
ТКІР	Temporal Key Integrity Protocol
AES	Advanced Encryption Standard

3.4.3.3 ACL





If you choose 'Allowed Listed', only those clients whose wireless MAC addresses are in the access control list will be able to connect to the router. When 'Deny Listed' is selected, these same wireless clients on the list will not be able to connect the router.

Basic	Security	ACL	Site Survey	WPS	Wi-Fi Schedule			
	Wireless ACL Mode:		Disable	~				
		MAC Address:						
	Comment:							
		Save & Apply	Reset					
Current ACL List								
	MAC Address		Comment		Select			
	Delete Selected	Delet	e All	Reset				

The ACL page enables user's to specify which wireless device MAC addresses are permitted to connect to the LTE Router's Wi-Fi network and which are not permitted.

Keep this mode disabled if you want to keep your Wi-Fi free for any device in your home to connect too without limitation.

<u>ltem</u>	Description
<u>Wireless ACL Mode</u>	If you choose 'Allowed Listed', only those clients whose wireless MAC addresses are in the access control list will be able to connect to your Access Point. When 'Deny Listed' is selected, these wireless clients on the list will not be able to connect to the Access Point.



MAC Address]	The MAC address of the client.						
<u>3.4.3.4 Site Sur</u>	vey							
FW:v1.1.4		Home	Wizard	Settings	Features	کېک Management	Logout	
Ø	Ę				л	VPN		
WAN	Operation M	ode	Wi-Fi		LAN	VPN		
This page provides a tool to scan the wireless networks in your proximity. If any router or IBSS is found, you could choose to connect to it manually when client mode is enabled.								
Basic	Security	ACL		Site Survey	WPS Wi-F		hedule	

Site Survey

SSID	BSSID	Channel Number	Туре	Encrypt	Signal
TDPQ	40:b0:76:c0:bf:f0	7(B+G+N+AC)	AP	WPA2-PSK	55
WTPD	3a:1a:52:28:46:1a	7 (G+N)	AP	WPA2-PSK	42
SRVC	40:e3:d6:5e:13:24	11 (B+G+N)	AP	WPA2-PSK	33
chargingstations	40:e3:d6:5e:13:25	11 (B+G+N)	AP	WPA2-PSK	33
DIRECT-2E-HP ENVY 6000 series	86:2a:fd:95:f4:2e	6 (G+N)	AP	WPA2-PSK	30
WWA	f0:9f:c2:3d:99:24	1 (B+G+N)	AP	WPA2-PSK	29

<u>The Site Survey page enables user's to scan all the Wi-Fi networks available to them in</u> <u>the immediate vicinity of the LTE Router.</u>

When the LTE Router is set in client mode, it can act as a repeater and connect to those specific Wi-Fi networks, rendering the HomeFi plan unusable.

3.4.3.5 WPS

lome fi									
FW:v1.1.4		Home Wi	ard Settings	Feature	es Man		(S)		
(#) WAN	Operation M	lode	Wi-Fi	LAN		VPN	Logour		
This page allows you to change the settings for WPS (Wi-Fi Protected Setup).									
Basic	Security	ACL	Site Survey	W	/PS	Wi-Fi Sc	hedule		
	Disable WPS:								
		Save & Apply	Reset						
		WPS State	us: Configured 🔾	JnConfigured					
			Reset to UnCon	figured					
	Auto-lo	ock-down state: unlock Self-PIN Numb	ed Unlock						
	Du	ah Buttan Capfigurati	Ctort DD						
	Pu	STOP W	SC Stop WS0	2					
		Connected Sta	ate Started						
		Client PIN Numb	er:		St	art PIN			
Current Key Info									
	Authentication		Encryptio	n		Key			
			AES			•••••			

<u>The WPS page enables the user to change the settings for Wi-Fi Protected Setup.</u> <u>Specifically enabling the user to enable or disable WPS, and permit certain devices to</u> <u>connect to the LTE Router via WPS.</u>



<u>ltem</u>	Description
<u>WPS</u>	This page allows you to change the setting for WPS (Wi-Fi Protected Setup). Using this feature could let your wireless client automatically synchronize its setting and connect to an Access Point in a minute without any hassle.
Disable WPS	Enable or disable WPS function.

3.4.3.6 Wi-Fi Schedule



This page allows you to set up the Wi-Fi Schedule rule. Please do not forget to configure the system time before enabling this feature.

Basic	Security	ACL	Site Survey	WPS	Wi-Fi Schedule

Enable Wi-Fi Schedule:	
------------------------	--

Enable	Day	From		То
	Sun 🗸	00 ~ (hour) 00	~ (min) 00 ~	(hour) 00 ~ (min)
	Sun 🗸	00 ~ (hour) 00	✓ (min) 00 ~	(hour) 00 ~ (min)
	Sun 🗸	00 V (hour) 00	✓ (min) 00 ~	(hour) 00 ~ (min)
	Sun 🗸	00 V (hour) 00	✓ (min) 00 √	(hour) 00 ~ (min)
	Sun 🗸	00 V (hour) 00	✓ (min) 00 ~	(hour) 00 ~ (min)
	Sun 🗸	00 V (hour) 00	~ (min) 00 ~	(hour) 00 ~ (min)
	Sun 🗸	00 V (hour) 00	~ (min) 00 ~	(hour) 00 ~ (min)
	Sun 🗸	00 V (hour) 00	~ (min) 00 ~	(hour) 00 ~ (min)
	Sun 🗸	00 ~ (hour) 00	~ (min) 00 ~	(hour) 00 ~ (min)
	Sun 🗸	00 ~ (hour) 00	✓ (min) 00 ~	(hour) 00 ~ (min)
		Save & Apply	Reset	



<u>3.4.5 LAN</u>

The LAN section enables the user to configure the parameters for the local area network.

FW:v1.1.4	Home	Wizard	Settings	Features	ک Management	S Logout
(Ø) WAN	Operation Mode	Wi-Fi		よ LAN	VPN VPN	

This page is used to configure the parameters for the local area network which connects to the LAN port of the LTE CPE. Here you may change the settings for IP addresses, subnet mask, DHCP, and more.

IPv4	IPv6		TUNNEL 6 over 4
	IP Address:	192.168.0.1	
	Subnet Mask:	255.255.255.0	
	Default Gateway:	0.0.0.0	
	Work Mode:	Server	~
	DHCP Client Range:	192.168.0.100 -	192.168.0.200 Show Client
	Lease Time:	1440	(1 ~ 10080 minutes)
	DNS:	0.0.0.0	
	Static DHCP:	Set Static DHC	P
	Domain Name:	router.local	
	802.1d Spanning Tree:	Off	~
	Save & Apply	Reset	

3.4.5.1 IPv4



The IPv4 page enables the user to change the settings for several LAN-related

parameters with focus on settings around the DHCP function.



ltem	Description
------	-------------



LAN IP Address	<u>The default is 192.168.0.1. You can change it according to</u> <u>your needs.</u>
Subnet Mask	The router's LAN subnet mask.
<u>Work Mode</u>	If this is selected, the router serves as the DHCP server and automatically assigns IP addresses to all computers in the LAN.
DHCP Client Range	Enter the start and end IP address of all the available successive IPs.
<u>Lease Time</u>	Select the time for using one assigned IP from the drop down list. After the lease time, the AP automatically assigns new IP addresses to all connected computers.
Static DHCP	This page allows you to reserve IP addresses, and assign the same IP address to the network device with the specified MAC address any time it requests an IP address. This is almost the same as when a device has a static IP address except that the device must still request an IP address from the DHCP server.
Domain Name	Set the domain name of the server.
802.1d Spanning Tree	Enable or disable spanning tree function.



3.4.5.2 Static DHCP

Entering the Static DHCP page by clicking the "Set Static DHCP" button enables users to reserve a specific IP address for a device by granting them access to bind the MAC address of the said device to an IP address that is specified by the user on this page.

Click the "Set Static DHCP" button also reveals the RADVD page.



FW:v1.1.4	Home	Wizard	Settings	Features	ک Management	S Logout
(Ø) WAN	Cperation Mode	Wi-Fi		மீ LAN	VPN	

This page allows you reserve IP addresses, and assign the same IP address to the network device with the specified MAC address any time it requests an IP address. This is almost the same as when a device has a static IP address except that the device must still request an IP address from the DHCP server.

IPv4	IPv6	RADVD	TUNNEL 6 over 4
	Enable Static DHCP:		
	IP Address:		
	MAC Address:		
	Comment		
	Save & Apply	Reset	
Static DHCP List			

IP Addre	85	MAC Address	Comment	Select
	Delete Selected	Delete All	Reset	
	Delete Selected	Delete All	Reset	

3.4.5.3 IPv6

<u>The IPv6 page enables the user to permit the LTE Router to serve as the DHCP server and</u> <u>automatically assigns IPv6 addresses to all connected mobile devices on the LAN.</u>



This page is used to configure DHCPv6 and RADVD.

IPv4	IP	/6	TUNNEL 6 over 4	
	IP Address:	fe80 : 0000 : 0000 : 000	0: 0000: 0000: 0000: 0001/ 64	
	DHCPv6 Server Enable:	 ✓ 		
	Address Mode:	Stateless Address	~	
	RADVD Enable:	\checkmark		
	Prefix:	Prefix Delegation	\sim	
	AdvValidLifetime:	3600		
	AdvPreferredLifetime:	3600		
	Save &	Apply		

ltem	Description
IP Address	Router's LAN IPv6 address.
RADVD	Router Advertisement Dameon
Stateful Address	DHCP will supply an IPv6 address.
Stateless Address	DHCPv6 server does not provide IP addresses at all.
6RD IPv6 Prefix	WAN IPv6 prefix delegation.

3.4.5.4 RADVD



onfiguring Router Advertisement					
IPv4	IPv6	RA	DVD	TUNN	IEL 6 over 4
	Ena	ble: 🗸			
	radvdinterfacena	me: br0			
	MaxRtrAdvInte	val: 15			
	MinRtrAdvInte	val: 10			
	MinDelayBetweenF	As: 10			
	AdvManagedF	lag:			
	AdvOtherConfigF	lag: 🗸			
	AdvLinkMT				
	AdvReachableTir				
	ner: 0				
	mit: 0				
	AdvDefaultLifet	me: 45			
	AdvDefaultPrefere	nce: high		~	
	AdvSourceLLAddr	ess:			
	UnicastC	nly:			
	Pre	fix1			
	Enab	led:			
	Pre	fix2 led:			
Sav	ve & Apply	default	res	et	

The RADVD page enables the user to set up all the settings around IPv6 RADVD, including the specified time delays between packets, maximum and minimum retry intervals, and advertisement settings.



ltem	Description
radvdinterfacename	Interface name.
MaxRtrAdvInterval	Max retry advertisement interval.
MinRtrAdvInterval	Min retry advertisement interval.
MinDelayBetweenRAs	Min delay between router advertisement.
AdvManagedFlag	Advertisement managed flag.
AdvOtherConfigFlag	Advertisement other config flag.
AdvLinkMTU	Advertisement link MTU.
AdvReachableTime	Advertisement reachable time.
<u>AdvRetransTimer</u>	Advertisement retrains timer.
AdvCurHopLimit	Advertisement current hop limit.
AdvDefaultLifetime	Advertisement default life time.
AdvDefaultPreference	<u>"High", "medium" or "low" for the advertisement default</u> preference.
AdvSourceLLAddress	Advertisement source link local address.
UnicastOnly	Unicast only.
Prefix1 Enabled	Enable or disable prefix.
Prefix	Enter the prefix and prefix length.
AdvOnLinkFlag	Advertisement on link flag.



AdvAutonomousFlag	Advertisement autonomous flag.
<u>AdvValidLifetime</u>	Advertisement valid life time.
<u>AdvPreferredLifetime</u>	Advertisement preferred life time.
<u>AdvRouterAddr</u>	Advertisement router address.
<u>lf6to4</u>	Enter the interface 6to4.

3.4.5.5 TUNNEL 6 over 4



The TUNNEL 6 over 4 page enables users to either enable or disable tunnel 6 over 4.

ltem	Description
<u>Enable</u>	Enable or disable tunnel 6 over 4.



<u>3.4.6 VPN</u>

<u>The VPN section enables the user to configure the settings for PPTP, L2TPv2, and L2TPv3 and view the Status of each.</u>





3.4.6.1 PPTP

FW:v1.1.4	Home	Wizard	Settings	Features	کې Management	S Logout
(Ø) WAN	Operation Mode	Wi-Fi		LAN	VPN VPN	

This page is used to configure the parameters for the Internet network which connects to the PPTP server.

LZIFVZ	L2TPv3		GRE		Status
	Enable:	\checkmark			
	Server:				
	Username:				
	Password:				
	MTU:	1492		(1360-149	92 bytes)
	MPPE:				
	MPPC:				
	Save &	Apply			

<u>The PPTP page enables user's to configure the parameters for the internet network which</u> <u>connects to the PPTP server.</u>

<u>ltem</u>	Description
<u>Server</u>	The name of PPTP Server.



<u>Username</u>	The user name provided by the cellular carrier.
Password	The password provided by the cellular carrier.
MTU	You can keep the maximum transmission unit (MTU) as default.

3.4.6.2 L2TPv2



<u>The L2TPv2 page is used to configure the parameters for the internet network which</u> <u>connects to the L2TPv2 server.</u>

ltem	Description
------	-------------



<u>Server</u>	The name of L2TP Server.
<u>Username</u>	The user name provided by the cellular carrier.
Password	The password provided by the cellular carrier.
<u>MTU</u>	You can keep the maximum transmission unit (MTU) as default.

3.4.6.3 L2TPv3

FW:v1.1.4	Home	Wizard	Settings	Features	کې Management	S Logout
Ø WAN	Operation Mode	Wi-Fi		品 LAN		

This page is used to configure the parameters for the Internet network which connects to the L2TPv3 server.

PPTP	L2TPv2	L2TPv3		GRE	Status				
		L211 ¥5			otatao				
Enable: 🔽									
Local Host Address:			0.0.0.0	(0.0.0	(0.0.0.0 is autoconfig)				
Remote Host Address:									
Tunnel Address:				(172.1	(172.10.12.1/24)				
Remote Tunnel Address:				(172.1	(172.10.13.1/24)				
	Tunnel Id:			(1 ~ 4	(1 ~ 4294967295)				
	Remote Tunnel Id:			(1 ~ 4	(1 ~ 4294967295)				
	Session Id:			(1 ~ 4	(1 ~ 4294967295)				
	Remote session Id:			(1 ~ 4	(1 ~ 4294967295)				
MTU:			1488	(1360	(1360-1488 bytes)				
NAT:									
Save & Apply									



<u>The L2TPv3 page is used to configure the parameters for the internet network which</u> <u>connects to the L2TPv3 server.</u>

ltem	Description				
Local Host Address	<u>The address of the LAN side device of the local,</u> eg:192.168.0.2.				
<u>Remote Host Address</u>	<u>The address of the LAN side device of the remote host,</u> eg:192.168.8.2.				
Local Udp Port	Lan side device udp port.				
Remote Udp Port	Remote device udp port.				
<u>Tunnel Address</u>	<u>Wan interface ip address.</u>				
Remote Tunnel Address	Remote device wan interface ip address.				
<u>Tunnel Id</u>	Local device tunnel id.				
<u>Remote Tunnel Id</u>	Remote device tunnel id.				
Session Id	Local device session id.				
Remote session Id	Remote device session id.				



	You can keep the maximum transmission unit (MTU) as
<u>MTU</u>	<u>default.</u>

3.4.6.5 GRE

The GRE page is used to configure the parameters for the internet network which connects to the Generic Routing Encapsulation tunneling protocol.

	ne <mark>f</mark> i									
FW:v1.1.4		27	3		3	ζζ}	Ś			
WAN	Coperation Mode	Wizard	Set	tings Featu	ures N		Logout			
This page is used to configu	ure the parameters for the In	ternet network w	hich conne	cts to the GRE.						
РРТР	L2TPv2	L2TP	/3	GRE		Status				
Enable:										
Local Host Address:						(0.0.0.0 is autoconfig)				
Remote Host Address:					(10.10.10.10)					
Tunnel Address:					(172.10.12.1)					
Remote Tunnel Address:				(172.10.13.1)						
		NAT:								
	Save & A	pply		Reset						

Remote Tunnel

NAT Status

Reset

Status

Select

3.4.6.4 Status

GRE Table

Local Host

Remote Host

Tunnel
	nef	1						
FW:v1.1.4		Home	Wizard	Set	tings		کې Management	(S)
Æ	Ę					.f.	VPN	
This page shows the status	s information for	PPTP, L2TP	and L2TPv3.			AIN	VPN	
РРТР	L2TP	v2	L2TPv	/3	G	RE	Statu	S
Connection Name	Enable	Server II	P Address	Local IP	Address	Remo	te IP Address	Status
PPTP	Disabled							
L2TPv2	Disabled							
L2TPv3	Disabled							

The Status page presents an overview of the status information for PPTP, L2TPv2, and L2TPv3.



3.5. Features

<u>The Features section enables the user to configure QoS, Firewalls, Port Forwarding, URL</u> <u>filtering, Routes, and Dynamic DNS.</u>



<u>3.5.1 QoS</u>



Entries in this table improve your online gaming experience by ensuring that your game traffic is prioritized over other network traffic, such as FTP or Web.





speeus mar a specific mobile device is receiving.



Quality of Service is an excellent and underutilized tool that allows you to train your LTE router to divide up your available bandwidth between applications. With good QoS rules, you can ensure that your streaming video doesn't stutter because a big file is downloading at the same time, or that your work laptop isn't sluggish when you're trying to meet that last-minute deadline while your kids are playing games online.

<u>ltem</u>	Description
Automatic Uplink Speed	Automatic uplink speed.
<u>Manual Uplink Speed (Kbps)</u>	Set the download speed of your internet access.
Automatic Downlink Speed	Automatic downlink speed.
Manual Downlink Speed (Kbps)	Set the upload speed of your internet access.
<u>Name</u>	<u>QoS rule name.</u>



3.5.2 Firewall

<u>The Firewall page enables user's to set up a plethora of firewall-related features and functions.</u>

FW:v1.1.4		Home	Wizard	Settings	Features	ک Management	رچی Logout
Qos QoS	Firewall	Port For	warding	URL Filter	Ro	ute Dyr	DDNS namic DNS

Your router's high-performance firewall feature continuously monitors Internet traffic and protects your network and connected devices from malicious Internet attacks.

Advanced	DoS	IP Filtering	Port Filtering	MAC Filtering		
		Enable DMZ:				
		Enable UPNP: 🗸				
	Enabl	e IGMP Proxy:				
	Enable Ping Ac	cess on WAN:				
	Enable Web Server Ac	cess on WAN:				
Ena	Enable IPsec pass through on VPN connection: 🧹					
Ena	Enable PPTP pass through on VPN connection: 🗸					
Enable L2TP pass through on VPN connection: 🗸						
	Save & A	pply	Reset			

3.5.2.1 Advanced

<u>The Advanced page contains a series of checkboxes allowing user to toggle on or off</u> <u>specific fire-wall related functions, access, and VPN pass throughs.</u>





Your router's high-performance firewall feature continuously monitors Internet traffic and protects your network and connected devices from malicious Internet attacks.

Advanced	DoS	IP Filtering	Port Filtering	MAC Filtering
	Enabl	Enable DMZ: Enable UPNP:		
Enabl Enabl Enab	ccess on WAN: ccess on WAN: PN connection:			
	Save & A	pply	Reset	

ltem	Description
Enable DMZ	DMZ function.
Enable UPnP	UPnP function.
Enable IGMP Proxy	IGMP Proxy function.
Enable Telnet Access on WAN	<u>Telnet by wan access.</u>
Enable Ping Access on WAN	Ping Access on WAN function.
Enable Web Server Access on WAN	Enable Web Server Access on WAN function.
Enable IPSec pass through on VPN connection	IPSEC to pass through IPSEC communication data.



Enable PPTP pass through on VPN connection	PPTP to pass through PPTP communication data.
Enable L2TP pass through on VPN connection	Enable or disable L2TP to pass through L2TP communication data.

3.5.2.2 Dos

<u>The Denial-of-Service (DoS) page enables users to protect their LTE Router from DoS</u> <u>attack's by setting certain parameters relating to network security.</u>

FW:v1.1.4		Home	Wizard	Settings	Features	کې Management	Logout
Qos QoS	Firewall	Port For	warding	URL Filter	Rot	ute Dy	namic DNS

A denial-of-service (DoS) attack is characterized by an explicit attempt by hackers to prevent legitimate users of a service from using that service.

Advanced	DoS	IP Filtering	Port Filtering	MAC Filtering
	Enable DoS F	Prevention		
	Whole System F	lood: SYN 0	Packets/	Second
	Whole System i	Flood: FIN 0	Packets/	Second
	Whole System F	ood: UDP 0	Packets/	Second
	Whole System Flo	ood: ICMP 0	Packets/	Second
	Per-Source IP F	lood: SYN 0	Packets/	Second
	Per-Source IP I	Flood: FIN 0	Packets/	Second
	Per-Source IP F	ood: UDP 0	Packets/	Second
	Per-Source IP Flo	ood: ICMP 0	Packets/	Second
	TCP/UDP	PortScan: Low Sensiti	vity 🗸	
	ICI	/IP Smurf:		
		IP Land:		
		IP Spoof:		
	IP	TearDrop:		
	Pin	gOfDeath:		
	I	CP Scan:		
	TCP Syn	WithData:		
	U	DP Bomb:		
	UDP Echo	oChargen:		



3.5.2.3 IP Filtering

<u>The IP Filtering page enables users to control what IP traffic will be allowed into and out</u> of the LTE Router's network.





Entries in this table are used to restrict certain types of data packets from your local network to the Internet through the Gateway. Use of such filters can be helpful in securing or restricting your local network.

Advanced	DoS	IP Filtering	Port Filtering	MAC Filtering
	Enable IP	Filtering:	1	
	Enal	ble IPv4:		
	Enal	ble IPv6:		
	Local IPv4	Address:		
	Local IPv6	Address:		
		Protocol: Both	✓	
	C	omment:		
	Save &	Apply F	leset	
IP Filter Table				
Local IP	Address	Protocol	Comment	Select
	Delete Selected	Delete All	Reset	

<u>ltem</u>	Description
Enable IP Filtering	IP Filtering function.



Enable IPv4	IPv4 Filtering feature.
Enable IPv6	IPv6 Filtering feature.
Local IPv4 Address	LAN side source IPv4 address.
Local IPv6 Address	LAN side source IPv6 address.
<u>Protocol</u>	<u>"TCP", "UDP" or" Both".</u>

3.5.2.4 Port Filtering

<u>The Port Filtering page enables users to allow or block certain network packers from</u> <u>following into and out of the LTE Router's network based on their port number.</u>

FW:v1.1.4		(f)	4	Z –		۲Ŏ۶	Ŝ
	I	Home	Wizard	Settings	Features	Management	Logout
Qos	1	6	(<u>г</u>	B		DDNS
QoS	Firewall	Port Forward	ling UR	L Filter	Route	Dyn	amic DNS
Entries in this table are used to restrict certain types of data packets from your local network to the Internet through the Gateway. Use of such filters can be helpful in securing or restricting your local network.							
Advanced	DoS		IP Filtering	Port	Filtering	MAC Filt	ering
	Enable	e Port Filtering:				_	
		Enable IPv4:					
		Enable IPv6:					
	Port Range:						
	Protocol: Both						
		Comment:					
	S	ave & Apply		Reset			
Port Filter Table							
Port Range	Proto	col	IP Version		Comment	s	elect
	Delete Selected		Delete All		Reset		



Enable Port Filtering	Enable or disable IP Filtering function.
Enable IPv4	Enable or disable IPv4 Filtering feature.
Enable IPv6	Enable or disable IPv6 Filtering feature.
Port Range	Set the port range for port filtering.
Protocol	Select "TCP", "UDP" or" Both".
<u>Comment</u>	Comment for the rule.

3.45.2.5 MAC Filtering

<u>The Mac Filtering page enables users to allow or block certain mobile devices from</u> <u>connecting to the LTE Router's Wi-Fi network based on their MAC address.</u>

FW:v1.1.4		۲	4	Ś	5	88	Ś	R
		Home	Wizard	Setti	ngs	Features	Management	Logout
Qas	1		\rightarrow	Å		Ľ		DDNS
QoS	Firewall	Port Fo	rwarding	URL Fi	lter	Rou	te Dy	namic DNS
Entries in this table are use such filters can be helpful in Advanced	this table are used to restrict certain types of data packets from your local network to the Internet thro can be helpful in securing or restricting your local network.				rough the Gatew	ay. Use of iltering		
	MA	Mode AC Address	e: Blacklist 	() wi	nitelist	Connect client Li	sts	
	_	Commen	t					
MAC Filter Table		Save & App	ly	F	leset			
м	AC Address			Co	mment		Sele	ct
	Delete Selected		Delete All			Reset		



<u>ltem</u>	Description
<u>Blacklist</u>	Block certain website URs from being accessed.
<u>Whitelist</u>	Allow certain website URLs from being accessed.
MAC Address	The MAC Address or the Media Access Control address is a unique serial number in the network circuitry of every Ethernet and Wi-Fi device.

3.5.3 Port Forwarding



Entries in this table allow you to automatically redirect common network services to a specific machine behind the NAT Firewall. These settings are only necessary if you wish to host some sort of server like a web server or mail server on the private local network behind your Gateway's NAT Firewall.



Current Port Forwarding Table

Local IP Address	Local Port Range	Protoco	Remote IP Address	Remote Port Range	Status	Comment	Select
	Duble Calendari		Delate All	Durat			



The Port Forwarding page enables users to enable or disable port forwarding and set the port IP addresses that will be used to engage in allowing incoming traffic from outside the network to be sent to a local connected mobile device based on the requested port.

ltem	Description
Enable Port Forwarding	Port Forwarding function.
Local IP Address	LAN IP address.
Local Port Start	LAN side start port.
Local Port End	LAN side end port.
<u>Protocol</u>	<u>"TCP", "UDP" or "Both".</u>
Remote IP Address	WAN IP address.
Remote Port Start	External start port.
Remote Port End	External end port.
<u>Comment</u>	Port number.



3.5.4 URL Filter



URL filtering is used to deny LAN user from accessing the Internet; block those URLs which contain keywords listed below. Please note: URL filtering cannot filter the HTTPS encrypted domain name.

URL Filter Table					
URL Filter Table					
	Save 8	Apply	Reset		
		URL Address:			
	Allow URL ad	ldress(white list):		-	
	Deny URL ad	ldress(black list): 🧿			
	Enat	ole URL Filtering:			

<u>The URL Filter page is used to deny LAN users from accessing the internet. Users can</u> <u>block certain URLs that contain specific keywords.</u>

ltem	Description
Enable URL Filtering	Enable or disable URL Filtering function.
<u>Deny URL address (black list)</u>	Blocking access to the URL list.



Allow URL address (white list)	Allowing access to the URL list.
URL Address	Block or allow access URL.

3.5.5 Route

The Static Route page enables user's to enable or disable the Static route and input the items around it.

FW:v1.1.4		Home	Wizard	Settings	Features	کې Managemer	nt Logout
Qos QoS	Firewall	Port Forv	varding	URL Filter	Rou	te	Dons Dynamic DNS

Once connected to the Internet, your LTE Router automatically builds routing tables that determine where traffic should be sent. Static routes can override this process, allowing traffic to be directed to a specific client or location.

	Static Route						
	Enable Sta	atic Route:					
	IP Address:						
Subnet Mask:							
	Gateway:						
		Metric:					
		Interface:	LAN		/		
	Save & Apply		Reset	Sho	w Route Table		
Static Route Table							
Destinatio	on IP Address N	etmask	Gateway	Metric	Interface	Status	Select
	Delete Selected		Delete All		Reset		



ltem	Description
Enable Static Route	Enable or disable Static route.
IP Address	An IP address, or Internet Protocol address, is a series of numbers that identifies any device on a <u>network.</u>
<u>Subnet Mask</u>	A number that resembles an IP address. It reveals how many bits in the IP address are used for the network by masking the network portion of the IP address
Gateway	The IP address of another router your LTE Router sends traffic too.
Metric	The routing metric.

3.5.6 Dynamic DNS

The Dynamic Domain Name Services (Dynamic DNS) page allows a dynamic public IP address to be associated with a static host name in any of the many domains and allows access to a specific host from various locations on the internet. DDNS requires that an account be set up with one of the supported DDNS service providers.



Dynamic DNS is a service that provides you with a valid, unchanging, Internet domain name (a URL) to go with your ever changing IPaddress.



ltem	Description
Server Provider	Select server from the drop-down list DynDNS TZO
Domain Name	The host name.
User Name/Email	The user name.
Password/Key	The password.



Chapter 3 Accessing the Web User Interface: Management

3.6. Management

<u>The Management section enables the user to perform key system updates such as</u> <u>setting the LTE Router's IP address log-in username and password, enabling or disabling</u> <u>TR069, and upgrading the LTE Router's firmware.</u>



3.6.1 Time

The Time sub-section contains several pages related to time-related settings.

FW:v1.1.4		Home	Wizard	Settings	Features	Management	Logout
Time	E System Log	System Settings	Statistics	Diagnostics	s TRO	59 Up	⑦





3.6.1.1 NTP Server

<u>The NTP Server page enables user's to set the current time and time zone onto their LTE</u> <u>Router, in addition to setting NTP server.</u>

FW:v1.1.4		G	77	Z		÷Ö-	3°
		Home	Wizard	Settings	Features	Management	Logout
		Ţ		Ē		\bigcirc	
Time	System Log	System Settings	Statistics	Diagnost	ics TI	R069 U	pgrade
You can maintain	the system time by sy	ynchronizing with a p	ublic time server	over the Interne	t.		
	NTP Server				Reboot Sch	nedule	
	Current Time: 2022 - 10 - 19 10 : 48 : 10						
		Copy L	AN time: C	opy Computer Tim	e		
		Time Zone	e Select: (GMT	05:00)Eastern Ti	me (US & Cana	da)	\sim
		Enable NTP Client	Update: 🗸				
	Automa	atically Adjust Daylight	t Saving:				
		NTF	P Server: 💿 13	1.188.3.220			
	Save & Ap	oply	Reset		Refresh		



ltem	Description
Current Time	Select the time zone in your area.
Copy LAN time	Copy time from computer.
Time Zone Select	Select the time zone from the drop box.
Enable NTP client update	NTP client update.
<u>Automatically Adjust Daylight</u> <u>Saving</u>	Daylight savings function.
NTP Server	Select the well known NTP Server.
Manual IP Setting	Enter the server manually.

3.6.1.2 Reboot Schedule



In the Reboot Schedule settings, you can select the time and frequency that you want your LTE Router to reboot. Please note: Before enabling Reboot Schedule, please make sure the 'NTP Server' is enabled.

NTP Server	Reboot Schedule
Repeat: 0	days
Reboot time: from	0 :00 to 0 :00
Enable: Off	\checkmark
Save	& Apply

<u>The Reboot Schedule page enables user's to allow their LTE Router to reboot</u> <u>automatically at a specified time.</u>

3.6.1 System Log

/1.1.4		Home	Wizard	Settings	Features	Management	L
Time	System Log	System Settings	Statistics	Diagnostics	TRO	069 UI	
bage can be i	used to set the remo	ote Log server and sho	w the system Lo	g.			
		En	able Log:				
		Enable Rer	note Log:				
		Log Server IP	Address:				
			Apply Changes				

<u>ltem</u>	Description
Enable Log	Log function.
<u>System All</u>	Print all log information.
<u>Wireless</u>	Print wireless log information.
DoS	Print DoS log information.



Enable Remote Log	<u>"Logging to Syslog Server".</u>
Log Server IP Address	Enter the Syslog server IP address.

3.6.2 System Settings

The System Settings subsection contains several pages related to basic administration settings.

FW:v1.1.4			77	Z		}	\\$	Ň
		Home	vvizard	Settings	Featur	res M	anagement	Logout
	Ē	P				$\overline{\mathbf{c}}$		\bigcirc
Time	System Log	System Settings	Statist	tics Diagn	ostics	TR069	Up	grade
This page is used to	This page is used to set the password to access the Management Portal of the LTE Router. Administrator System							
	New Password:							
		Confirmed	Password:					
		Save & Apply	/	Reset				

3.6.2.1 Administrator



The Administrator page allows users to set the LTE Router's IP address log-in username and password.

FW:v1.1.4		Home	Wizard	Settings	Features	Kanagement	Logout
	Ē	Ę	K	Ē		Θ	
Time	System Log	System Settings	Statistic	cs Diagnost	tics 7	TR069 L	Jpgrade
This page is used to	This page is used to set the password to access the Management Portal of the LTE Router.						
	Administr	ator			Syste	m	
New Password:							
		Confirmed P	assword:				
		Save & Apply		Reset			

Select File

Reset

Reboot

Upload

Load Settings from File:

Reset Settings to Default:

Reboot The Device:

ltem	Description
Save settings to file	Save the settings to the local PC.
Load settings from File	Load the settings from the local PC.
Reset Settings to Default	Restore the device to factory default.
Reboot the device	Press the button to reboot the device.

The System page allows user's to back up, restore, and erase the LTE Router's current settings. Once you provision your router to your liking, it is recommended to back up the settings so that they are saved as a file on your computer. In the future, you can then restore the LTE Router's settings from this file.



3.6.3 Statistics

The Statistics subsection contains several pages related to basic administration settings.

FW:v1.1.4		Home	Wizard	Settings	Features	Kanagement	رچی Logout
E Time	System Log	System Settings	Statistics	Diagnostic	cs 1	CO FR069 Up	⑦

This Page shows each user's total traffic statistics.

User Statistics			Interface Statistics			
IP Addr	Total Down	Total Up	LTE Down	LTE Up		
192.168.0.100	27 581 703 Bytes	98 062 808 Bytes	27 581 703 Bytes	98 062 808 Bytes		
192.168.0.101	76 613 239 Bytes	265 626 731 Bytes	76 613 239 Bytes	265 626 731 Bytes		
192.168.0.102	25 631 424 Bytes	9 430 205 Bytes	25 631 424 Bytes	9 430 205 Bytes		
192.168.0.100	5 922 663 Bytes	78 757 639 Bytes	5 922 663 Bytes	78 757 639 Bytes		
192.168.0.104	7 451 583 Bytes	241 455 758 Bytes	7 451 583 Bytes	241 455 758 Bytes		

3.6.3.1 User Statistics



This Page shows each user's total traffic statistics.

	User Statistics		Interface Stat	istics
IP Addr	Total Down	Total Up	LTE Down	LTE Up
192.168.0.100	27 581 703 Bytes	98 062 808 Bytes	27 581 703 Bytes	98 062 808 Bytes
192.168.0.101	76 613 239 Bytes	265 626 731 Bytes	76 613 239 Bytes	265 626 731 Bytes
192.168.0.102	25 631 424 Bytes	9 430 205 Bytes	25 631 424 Bytes	9 430 205 Bytes
192.168.0.100	5 922 663 Bytes	78 757 639 Bytes	5 922 663 Bytes	78 757 639 Bytes
192.168.0.104	7 451 583 Bytes	241 455 758 Bytes	7 451 583 Bytes	241 455 758 Bytes



3.6.3.2 Interface Statistics



This page shows each interface's total traffic statistics.

User Statistics	Interface	Statistics
Wireless 1 AN	Sent Bytes	2810423753
WIELESS I LAN	Received Bytes	1669214975
Wireless 21 AN	Sent Bytes	2810424373
WIEless 2 LAN	Received Bytes	1669216913
Ethorpot I AN	Sent Bytes	0
Etterner LAN	Received Bytes	0
WAN	Sent Bytes	0
WAN	Received Bytes	0
ITE	Sent Bytes	1539188936
	Received Bytes	284444728

Refresh



3.6.4 Diagnostics

The Diagnostics page provides various diagnostics surrounding ping and trace route for IP connection.

FW:v1.1.4		Home	Wizard	Settings	Features	Management	(S)
	Ē		WIZard	Gettings	l batules		
Time	System Log	System Settings	Statistics	Diagnostics	TR	069 U	pgrade
This page gives you	u various diagnosti	cs about ping for IP co	nnection.				
	Ping				Tracorout		
	Ping				Tracerout	e	
Host Name or IP Ad	ddress:					RUN	
							1.



3.6.4.1 Ping



This page gives you various diagnostics about ping for IP connection.





3.6.4.1 Traceroute





<u>3.6.5 TR069</u>

FW:v1.1.4	System Log	Home System Settings	Wizard Statistics	Settings	Feature	Manage TR069	ement Logout
This page is used t	to configure the TR-0	069.					
		TR069: ACS:	 Disabled http://acs.iqonlin 	Enabled			
		User Name:	tr69-iqonline				
	_	Password:					
	Pe	riodic Inform Enable:	 Disabled 86400 				
		Interface:	DEFAULT		~		
	С	onnection Request	0	0			
		Authentication:	 Disabled admin 	 Enabled 			
		Oser Name.	aumin				
		Password:					
		Path:	/				
		Port:	30009				
		Save & Apply		Reset			
	Cer	tificat Management	c :				_
		CA Certificat:	Sélec	ct File		Upload	
		View CA Certificat:	Vi	ew			

The TR069 page is used to configure the TR069 functionalities in addition to setting the ACS's parameters.



<u>ltem</u>	Description
<u>TR069</u>	Technical Report 069
ACS	ACS server domain or IP Address.
<u>User Name</u>	Username for connection to ACS.
Password	Password for connection to ACS.
Periodic Inform Enable	Periodic inform.
Periodic Inform Interval	Periodic inform interval.
Connection Request User Name	User Name used form ACS connection to TR069.
Connection Request Password	Password used form ACS connection to TR069.
Path	Connection request path.
Port	Connection port.



3.6.5 Upgrade



This page allows you to upgrade the Firmware to a new version. Please note, do not power off the device during the upload as it may crash the system.

Firmware Version:	v1.1.4
Local U	pgrade
Select File:	Select File
Uplo	ad
Online U	lpgrade
Che	ick
The current firmware vers	sion is the latest version

From time to time, new versions may be released of the LTE Router's Firmware. Firmware updates contain improvements and fix existing problems.

The Local Upgrade page enables users to upgrade the LTE Router's software.

<u>The Online Upgrade section of the page enables users to upgrade the mobile module</u> <u>firmware to a new version.</u>



Do not power off the device during the upload as it may crash the system.