

K868CPE

4G LTE Wireless Broadband Router

User Guide

Version 1.3

CONTENTS

CHAPTER 1: INTRODUCTION	4
Introduction to your Router.....	4
Introduction Features & Specifications.....	5
Network Protocols and Features	5
Firewall.....	5
Wireless LAN.....	6
VoLTE.....	6
Management	6
Hardware Specifications.....	7
Physical interface.....	7
Application Diagrams	8
CHAPTER 2: PRODUCT OVERVIEW	10
Appearance	10
CHAPTER 3: DEVICE CONFIGURATION.....	12
Login to your Device.....	12
Home Page	12
SMS.....	15
Settings.....	15
Mobile Network	15
Mobile Connection	15
Profile Management	16
Network Setting.....	17
USSD Service	18
RF Parameters	19
Internet.....	20
DHCP	20
WLAN.....	21
WIFI Basic Settings.....	21
WIFI Advanced Settings	22
WPS	23
WIFI MAC Filter	24

Voice	25
Phone Settings	25
VoIP	26
SIP Server	26
SIP Account	27
Security	28
Mac Filter	28
IP Filter	29
Port Forwarding	30
DMZ Settings	31
PIN Management	32
Diagnosis	33
UPnP	34
Management	35
NTP	35
Device Information	36
Statistics	37
System Log	38
System Admin	39
Upgrade	40
Reboot & Reset	41
Logout	42
CHAPTER 4: TROUBLESHOOTING	43

CHAPTER 1: INTRODUCTION

Introduction to your Router

Congratulations on your purchase of the TD0551B-EU (4G LTE Wireless Broadband Router). This router is a compact and advanced broadband router that offers flexible Internet connection, embedded 4G LTE interfaces, for home, SOHO, and office users to enjoy high-speed, high-level security Internet connection via cellular wireless. With an integrated 802.11ac wireless access point and 4-port Gigabit Ethernet LAN, this router enables faster wireless speed and LAN connection 10 times faster than regular 10/100Mbps Ethernet LAN. TD0551B-EU provides a unique Management Center enabling users to monitor 4G LTE signal strength, bandwidth, usage data statistics, and many more. Users can choose the most economical rate of VoLTE calls provided by different providers.

Wireless Mobility and Security With 4G&WiFi external antenna, this router delivers up to 3 times the wireless coverage of a 802.11b/g/n network device, so that wireless access is available everywhere in the house or office. TD0551B-EU also supports the Wi-Fi Protected Setup (WPS) standard and allows users to establish a secure wireless network just by pressing a button. 2.4GHz & 5GHz SSIDs allow users to access different networks through a single access point.

Internet Protocol version 6 (IPv6) is a version of the Internet Protocol that is designed to succeed IPv4. IPv6 has a vastly larger address space than IPv4. The router is already supporting IPv6, you can use it in IPv6 environment no need to change device. The dual-stack protocol implementation in an operating system is a fundamental IPv4-to-IPv6 transition technology. It implements IPv4 and IPv6 protocol stacks either independently or in a hybrid form. The hybrid form is commonly implemented in modern operating systems supporting IPv6.

Firmware Upgradeable Device can be upgraded to the latest firmware through the WEB based GUI.

Introduction Features & Specifications

- 4G LTE for high speed mobile broadband connectivity
- 4xGigabit Ethernet LAN
- IPv6 ready (IPv4/IPv6 dual stack)
- Dual SSIDs for 2.4GHz & 5GHz
- IEEE 802.11 b/g/n/ac compliant Wireless Access Point with Wi-Fi Protected Setup (WPS)
- Wi-Fi Protected Access (WPA-PSK/ WPA2-PSK)
- Firewall Security
- Voice over LTE compliant with Circuit Switch
- One RJ11 port for connecting to regular analog telephones
- Ideal for SOHO, office and home users

Network Protocols and Features

- IPv4, IPv6 or IPv4 / IPv6 Dual Stack
- NAT, static (v4/v6) routing
- DHCP
- DMZ
- SNTP, DNS proxy

Firewall

- Built-in NAT Firewall
- Stateful Packet Inspection (SPI)
- DoS attack prevention including Land Attack, Ping of Death, etc.
- Access control
- IP&MAC filter
- Password protection for system management
- VPN pass-through

Wireless LAN

- Compliant with IEEE 802.11 b/ g/ n/ac standards
- 2.4 GHz - 5GHz radio band for wireless
- 2.4GHz & 5GHz work at the same time
- WPS (Wi-Fi Protected Setup) for easy setup
- Wireless Security with WPA-PSK / WPA2-PSK support

VoLTE

- Support VoLTE and VoIP voice call services. To change the call mode select Voice > Phone Settings and chose the desired option from the dropdown menu.
- For best results, the “VoLTE” setting of network mode is recommended.

Management

- Web-based GUI for end user management (IPv4/IPv6)
- Firmware upgrades
- DHCP server / client / relay
- TR-069 for remote management (*Note: If you need to set the parameters ,please set it by the hidden URL: <http://192.168.1.1/html/cwmpsettings.html>*)

Hardware Specifications

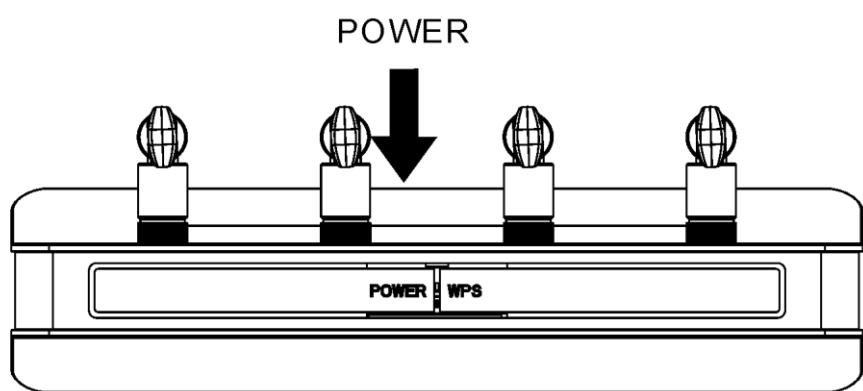
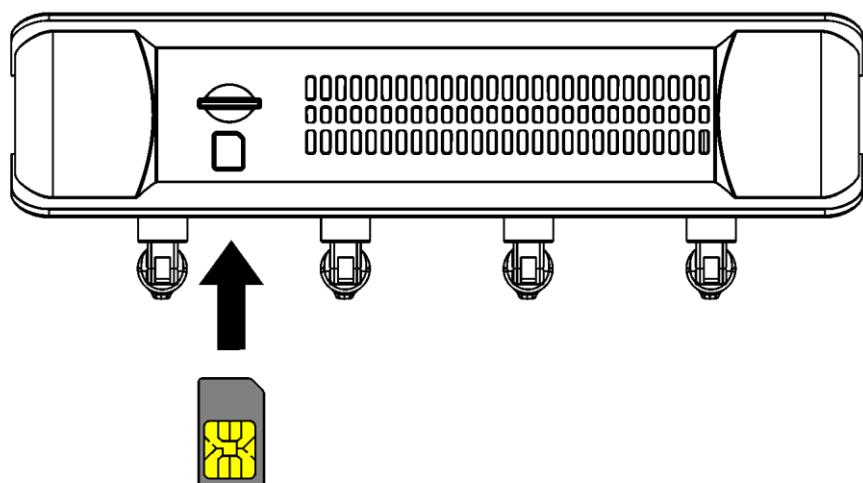
Physical interface

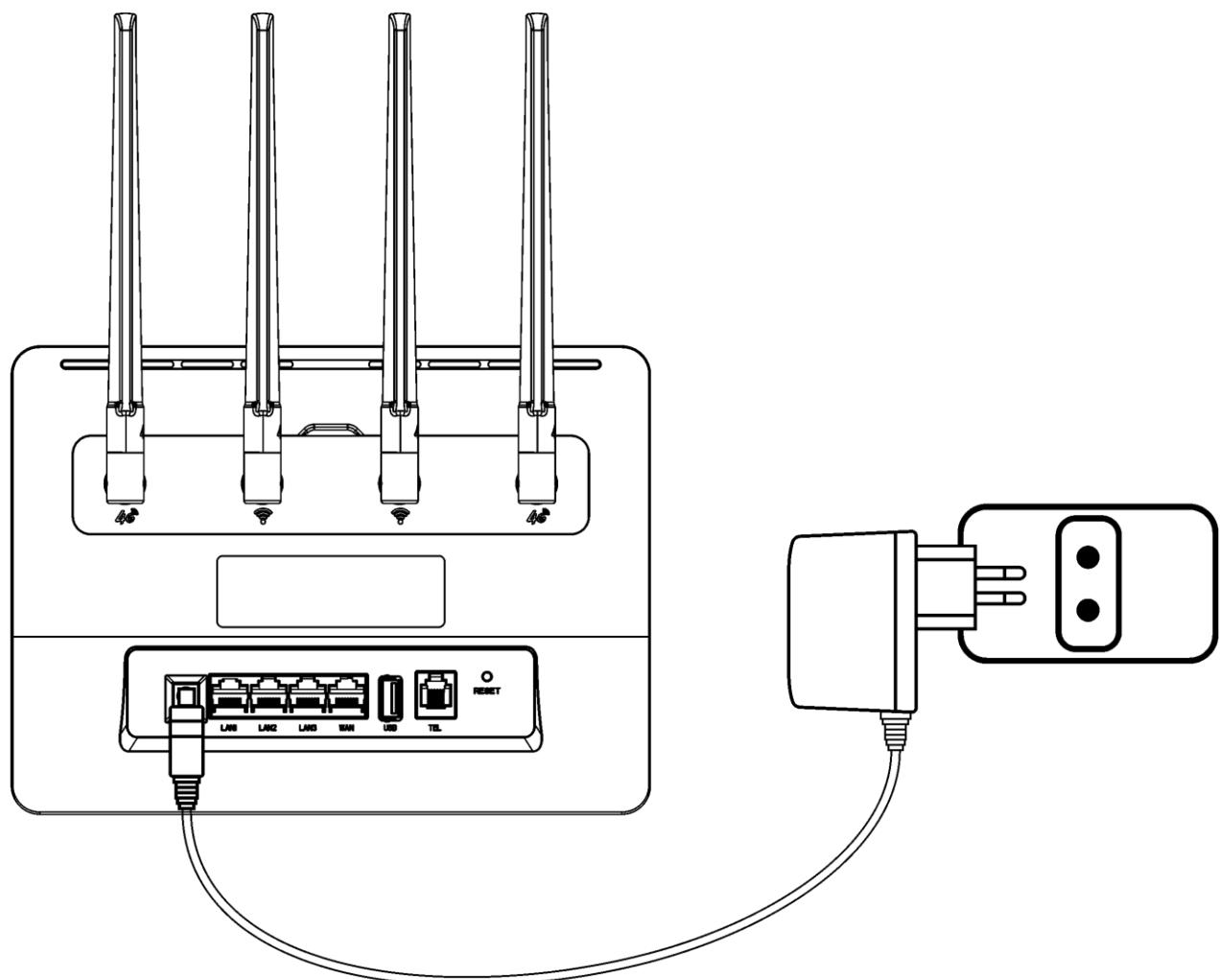
- 4G LTE antenna: 2 external + 2 internal
- WiFi antenna: 2 external
- SIM card slot: Standard SIM card (2FF) slot
- VoLTE phone port: 1 RJ-11 FXS phone port to connect with regular analog phone
- Ethernet: 4-port 10 / 100 / 1000Mbps auto-crossover (MDI / MDI-X) Switch
- Factory reset button
- WPS button
- AC/DC Power jack
- Power switch button
- USB Port: 1 USB port, debug only

Application Diagrams

TD0551B-EU supports connect to the Internet via 4G LTE.

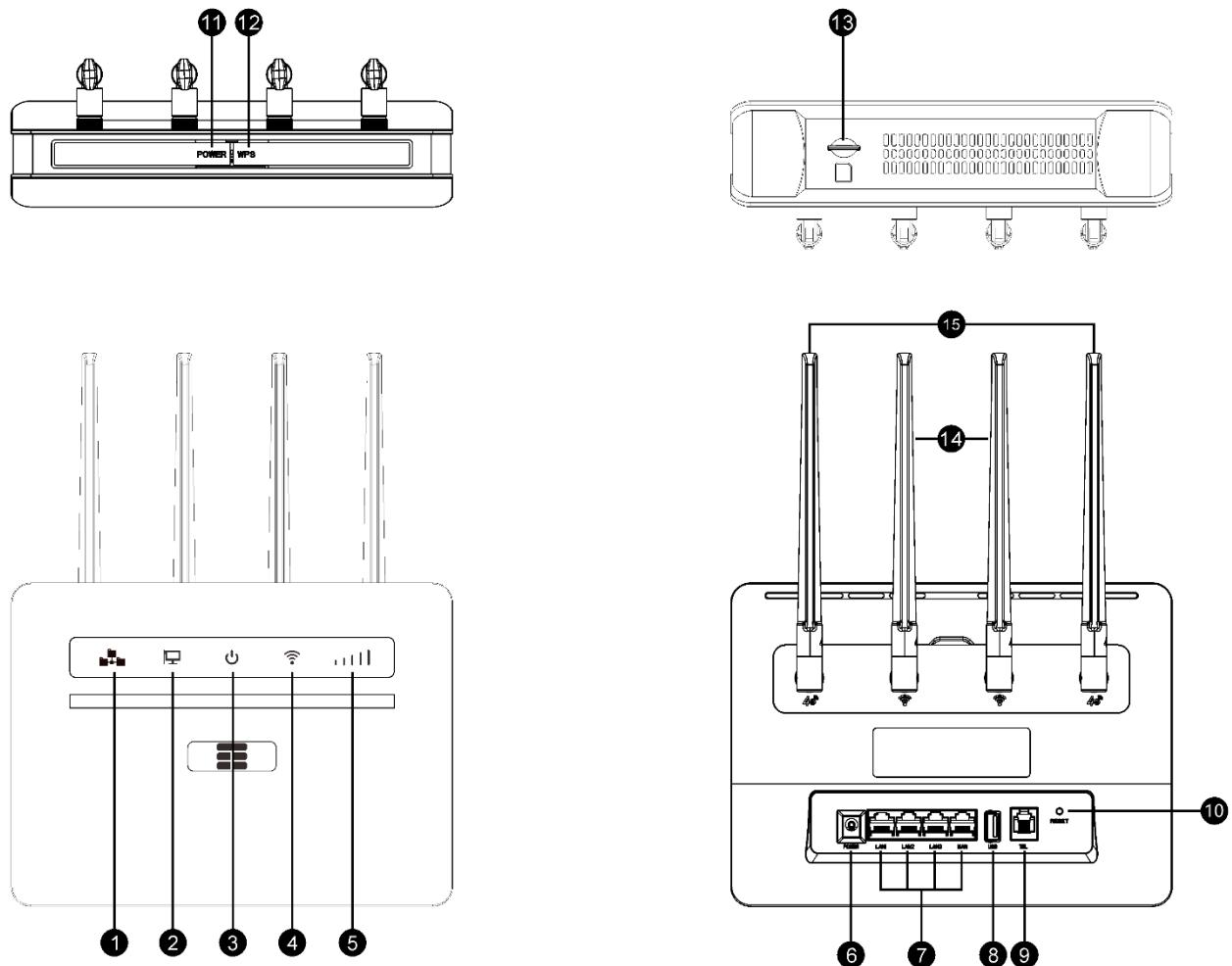
4G mobile network service using a SIM card

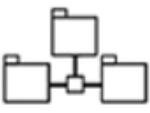




CHAPTER 2: PRODUCT OVERVIEW

Appearance



LED	Status	Description
	Blue	Registered to 4G mobile network
	Red	No-SIM card or not registered on the network
	Blinking	Internet connection is setup and data transfer in progress
	Green	LAN ports are connected
	Blinking	Data transfer
	Blue	The device is powered ON
	Blue	Wifion and data transfer in progress
	Blinking	WPS connection set up in progress
	More signal bars	Stronger signal

Ports		Description
6	Power Input	DC adapter
7	LAN ports	10 / 100 / 1000Mbps automatic adapt
8	USB port	For debugging only
9	Telephone port	RJ11 port for connecting to regular analog telephone
10	Reset button	Press for 3 seconds or above to restore to factory settings
11	Power button	Press within 3 seconds to power on/off the device
12	WPS button	To enable WPS function
13	Standard SIM card slot	2FF Standard SIM slot
14	WIFI External antennas	2*WiFi external antennas to improve the WiFi performance
15	4G External antennas	2* Wireless external antennas to improve the WAN performance

CHAPTER 3: DEVICE CONFIGURATION

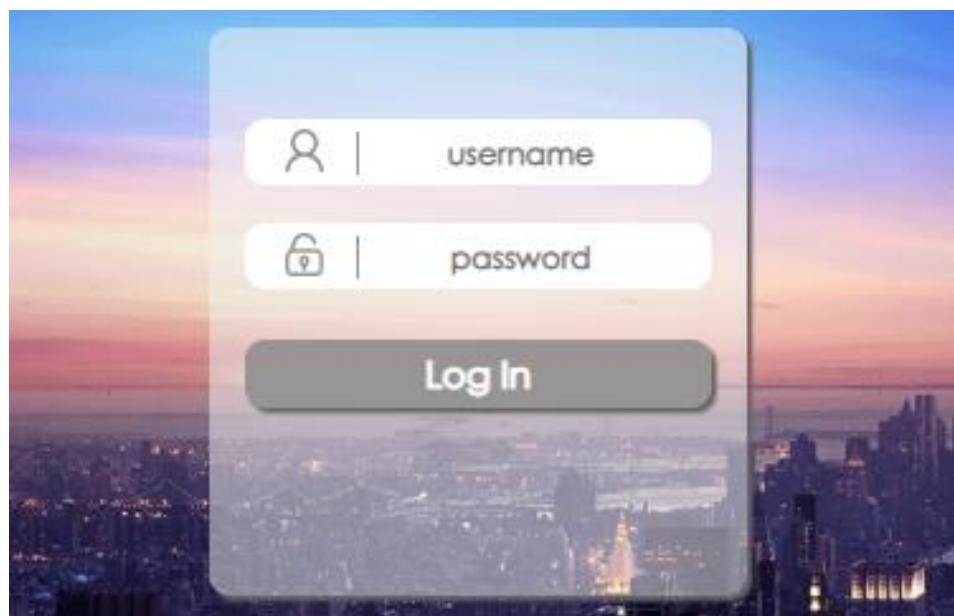
Login to your Device

Open web browser, enter the IP address of your router which by default is **http://192.168.1.1** and click “**Go**”, password window prompt appears.

The default username/password is **admin/admin**.

You also can refer to the label of router for the default IP address and username/password.

It is strongly suggested to change the default login password of WebUI to prevent unauthorized users from changing the router's settings.



Once you have logged on, you can see the Home page for the router.

Please see the relevant sections of this manual for detailed instructions.

Home Page

In this section you can click on the three items in the diagram for more information.



Internet Status: you can check the internet Status by clicking the icon, the internet mode, network status, connection type, connection time and other related parameters will be displayed.



IONLINE
Connected Networks

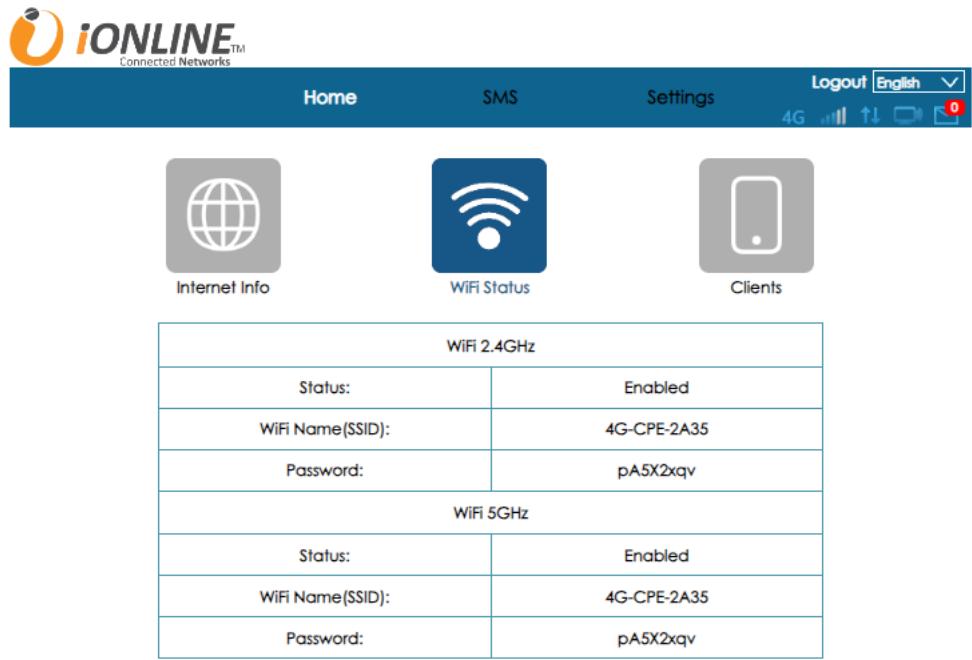
Home SMS Settings Logout English 4G

Internet Info WiFi Status Clients

Internet Mode:	Mobile Data
Network Status:	Connected
Connection Type:	CMCC 4G
Connection Uptime:	50 Mins
MAC Address:	A4:D4:B2:89:2A:35
IP Address:	10.5.9.243
Subnet Mask:	255.255.255.248
Default Gateway:	10.5.9.244
Primary DNS Server:	211.137.130.2
Secondary DNS Server:	211.137.130.18
IPv6 Address:	2409:8970:10f1:2e0c:e898:494f:a0e6:43ed
IPv6 Primary DNS Server:	2409:8070:2000:f110::1
IPv6 Secondary DNS Server:	2409:8070:2000:f100::1

COPYRIGHT © 2023 | Open Source Notice

WiFi Status: you can check the WiFi information of the router by clicking the icon  , the 2.4GHz & 5GHz WiFi status, SSID and password will be displayed.



The screenshot shows the iONLINE Connected Networks web interface. At the top, there is a logo with the text "IONLINE" and "Connected Networks". The top navigation bar includes links for "Home", "SMS", "Settings", and "Logout" (set to English). There are also icons for 4G signal strength, battery level (0), and a red notification box. Below the navigation, there are three main icons: "Internet Info" (a globe), "WiFi Status" (a WiFi signal icon), and "Clients" (a smartphone icon). The "WiFi Status" section is expanded, showing two tables for WiFi 2.4GHz and WiFi 5GHz. Both tables list the status as "Enabled", the WiFi Name (SSID) as "4G-CPE-2A35", and the Password as "pA5X2xqv".

WiFi 2.4GHz	
Status:	Enabled
WiFi Name(SSID):	4G-CPE-2A35
Password:	pA5X2xqv

WiFi 5GHz	
Status:	Enabled
WiFi Name(SSID):	4G-CPE-2A35
Password:	pA5X2xqv

COPYRIGHT © 2023 | Open Source Notice

Connected Clients: you can check the connected client information by clicking the icon



, the connected client's device name, IP address and Mac address will be displayed.



IONLINE
Connected Networks

Home SMS Settings Logout English ▾ 4G   0



Internet Info



WiFi Status



Clients

index	hostname	Mac	IP
1	Unknown	00:0e:c6:2e:f7:bf	192.168.1.144

COPYRIGHT © 2023 | Open Source Notice

SMS

In this section, you can check InBox for all the received messages, OutBox for all the sent messages and DraftBox as well.



IONLINE
Connected Networks

Home SMS Settings Logout English ▾ 4G   0

 InBox  OutBox  DraftBox

InBox(0/0) Add Delete Refresh

	Sender	Content	Date

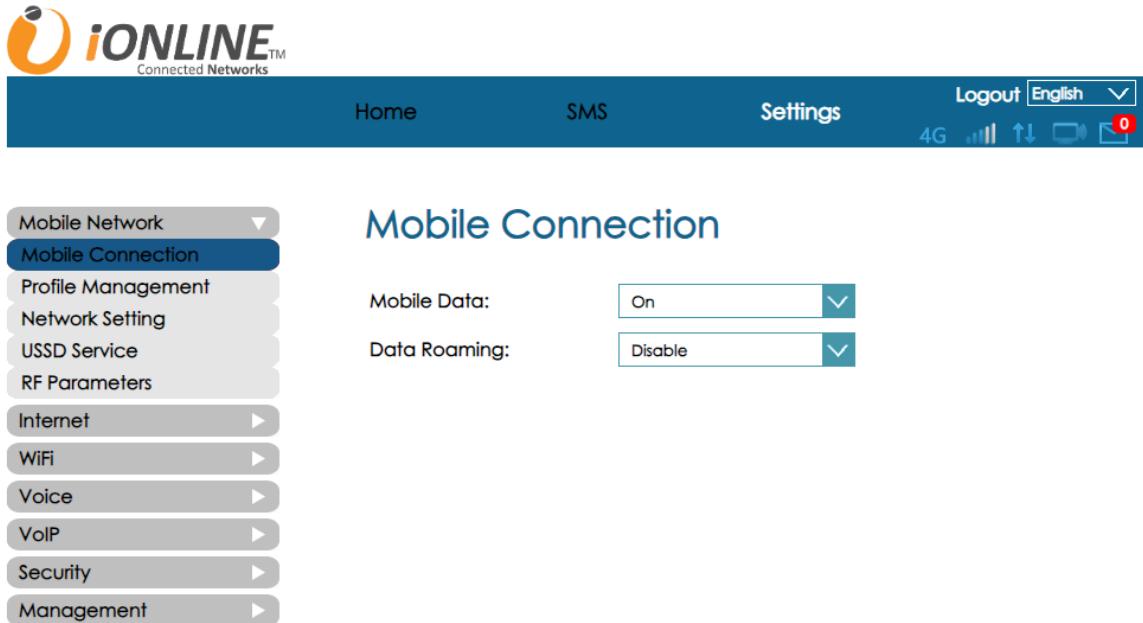
◀◀ 1 ▶▶ 0/0 Page: Go

Settings
Mobile Network
Mobile Connection

In this section, you can configure your mobile data connection and data roaming switch.

Mobile Data: To On/Off Mobile connection.

Data Roaming: To Enable/Disable Roaming connection.



The image shows a screenshot of the iONLINE Connected Networks mobile connection configuration interface. The top navigation bar includes the iONLINE logo, a language selection dropdown (English), and a notification icon showing '0' notifications. The main menu on the left is titled 'Mobile Network' and contains the following items: 'Mobile Connection' (which is selected and highlighted in blue), 'Profile Management', 'Network Setting', 'USSD Service', 'RF Parameters', 'Internet', 'WiFi', 'Voice', 'VoIP', 'Security', and 'Management'. The main content area is titled 'Mobile Connection' and contains two configuration fields: 'Mobile Data:' set to 'On' and 'Data Roaming:' set to 'Disable'. The bottom of the page includes a copyright notice 'COPYRIGHT © 2023 | Open Source Notice'.

Profile Management

In this section, you can configure your APN settings. If you are unsure of your APN Settings, please contact your carrier.

Notes: The CPE supports APN automatically match function, which means you do not need to edit APN settings for most of cases.

- Mobile Network ▾
- Mobile Connection
- Profile Management**
- Network Setting
- USSD Service
- RF Parameters
- Internet ▾
- WiFi ▾
- Voice ▾
- VoIP ▾
- Security ▾
- Management ▾

Profile Management

Carrier Name:	CMCC1 (Default) ▾
Authentication Type:	CHAP ▾
APN:	cmnet
User Name:	<input type="text"/>
Password:	<input type="password"/>
IP Type:	IPV4V6 ▾

[New Profile](#) [Apply](#)

COPYRIGHT © 2023 | [Open Source Notice](#)

Network Setting

In this section, you can configure network search settings. Select “Auto” if you don't know the network type.

Network Mode: Auto/3G Only/4G Only.

Search Mode: Auto/Manual, it is suggested to set as Auto.

- Mobile Network ▾
- Mobile Connection
- Profile Management
- Network Setting**
- USSD Service
- RF Parameters
- Internet ▾
- WiFi ▾
- Voice ▾
- VoIP ▾
- Security ▾
- Management ▾

Network Setting

Network Mode:

Search Mode:

Apply

COPYRIGHT © 2023 | Open Source Notice

USSD Service

In this section, you can set USSD code. Click “Send” you will get response information from Internet.

- Mobile Network ▾
- Mobile Connection
- Profile Management
- Network Setting
- USSD Service**
- RF Parameters
- Internet ▾
- WiFi ▾
- Voice ▾
- VoIP ▾
- Security ▾
- Management ▾

USSD Service

Input USSD code

Input options code

COPYRIGHT © 2023 | Open Source Notice

RF Parameters

In this section, you can easily check the basic RF information. Please contact your ISP for more information.

The screenshot shows the iONLINE Connected Networks web interface. The top navigation bar includes links for Home, SMS, Settings, and Logout (English). A status bar on the right shows 4G connectivity and a battery level of 0. The left sidebar has a tree view with nodes: Mobile Network, Mobile Connection, Profile Management, Network Setting, USSD Service, RF Parameters (which is selected and highlighted in blue), Internet, WiFi, Voice, VoIP, Security, and Management. The main content area is titled 'RF Parameters' and displays the following data:

RSRP:	-98dBm
RSSI:	-69dBm
RSRQ:	-10dB
SINR:	13.7dB
PCI:	27

RF Parameters

RSRP:	-98dBm
RSSI:	-69dBm
RSRQ:	-10dB
SINR:	13.7dB
PCI:	27

COPYRIGHT © 2023 | Open Source Notice

Internet

DHCP

In this section you can configure the DHCP settings.

Default value:

1. DHCP server is enabled.
2. Gateway IP address: 192.168.1.1.
3. DHCP IP Range: 192.168.1.100 to 192.168.1.200, which means IP pool counts 100.
4. DHCP lease time: 24 hours (86400 seconds).

Click “**Apply**” after configuring the new settings.

- Mobile Network 
- Internet 
- DHCP** 
- WiFi 
- Voice 
- VoIP 
- Security 
- Management 

DHCP

DHCP server:

IP address: 192.168. .

DHCP IP range: to

192.168.1.100 to 192.168.1.200

DHCP lease time: seconds

COPYRIGHT © 2023 | [Open Source Notice](#)

WLAN

WIFI Basic Settings

In this section you can configure the WiFi settings. Please note that any changes made in this section may need to restart your WiFi to activate.

Mobile Network 

Internet 

WiFi 

WiFi Basic Settings 

WiFi Advanced Settings

WPS

WiFi Mac Filter

Voice 

VoIP 

Security 

Management 

5G Prefer:

Status:  **Enable**

WiFi Name(SSID): **4G-CPE-2A35**

Security Mode:  **WPA2-PSK**

Password: ********* 

Visibility Status:  **Enable**

Apply

COPYRIGHT © 2023 | Open Source Notice

WIFI Advanced Settings

In this section, you can configure WiFi advance settings. Please note that any changes made in this section may need to restart your WiFi to activate.

If you are unsure of Wi-Fi channel and channel width, it is suggested to set as **Auto**.

Click “**Apply**” after configuring the new settings.

- Mobile Network 
- Internet 
- WiFi 
- WiFi Basic Settings
- WiFi Advanced Settings 
- WPS
- WiFi Mac Filter
- Voice 
- VoIP 
- Security 
- Management 

2.4GHz

802.11 Mode:

WiFi Channel:

Channel Width:

5GHz

802.11 Mode:

WiFi Channel:

Channel Width:

 Apply

COPYRIGHT © 2023 | Open Source Notice

WPS

In this section, you can configure WPS switch. WPS can connect quickly without WiFi password.

- Mobile Network 
- Internet 
- WiFi 
- WiFi Basic Settings
- WiFi Advanced Settings
- WPS 
- WiFi Mac Filter
- Voice 
- VoIP 
- Security 
- Management 

WPS

WPS Mode:

Enable 

COPYRIGHT © 2023 | Open Source Notice

WIFI MAC Filter

In this section, you can configure WiFi MAC filter. That allows you to include or exclude computers and devices based on their MAC address.



Voice

Phone Settings

In this section you can configure the phone connection type.

CPE implements the VoLTE as prefer setting, if you are unsure whether your SIM card supports VoLTE, please contact your carrier provider.

After selecting from these three options: “VoLTE”, “VoIP” and “CS Only”. Please click “**Apply**” to activate.

COPYRIGHT © 2023 | [Open Source Notice](#)

[Home](#)[SMS](#)[Settings](#)[Logout English](#)

4G 0

- Mobile Network
- Internet
- WiFi
- Voice
- Phone Settings**
- VoIP
- Security
- Management

Phone Settings

Voice Mode:

VoLTE

Apply

Caller ID Mode:

FSK

Apply

COPYRIGHT © 2023 | [Open Source Notice](#)

VoIP

SIP Server

In this section, you can configure the proxy server and registration server. The local server SIP port must be different from the registration server port.

- Mobile Network ▶
- Internet ▶
- WiFi ▶
- Voice ▶
- VoIP ▾
- SIP Server ▶
- SIP Account
- Security ▶
- Management ▶

Registration Server

Proxy server address:	<input type="text"/> *(IP address or domain name)
SIP server address:	<input type="text"/> *(IP address or domain name)
Server port:	<input type="text" value="5060"/> (1 to 65535)
Outbound server:	<input type="text"/> *(IP address or domain name)
Port:	<input type="text" value="5060"/> (1 to 65535)
Protocol:	<input type="text" value="UDP"/> ▾

Apply

COPYRIGHT © 2023 | [Open Source Notice](#)

SIP Account

In this section, you can configure SIP Account. After clicking “Add” you can set “User name” “Password” “Registration status” “Options”. Please note that the user name and password of the SIP Account must be the same as the registration server.

The image shows the iONLINE Connected Networks web interface. At the top, there is a navigation bar with links for Home, SMS, Settings, Logout (English), and a connectivity status indicator (4G, signal strength, battery level with 0). On the left, a sidebar menu lists: Mobile Network, Internet, WiFi, Voice, VoIP, SIP Server, **SIP Account** (selected), Security, and Management. The main content area is titled "SIP Account" and contains a note: "Note: The username and password of the SIP account must be the same as those on the registration server. Otherwise, registration will fail." Below this is a table with columns: User Name, Password, Registration Status, and Options, with an "Add" button at the bottom.

COPYRIGHT © 2023 | Open Source Notice

Security

Mac Filter

MAC address filtering is a feature for IPv4 addresses that allows you to include or exclude computers and devices based on their MAC address. Every Ethernet device has a unique MAC (Media Access Control) address. The MAC address is assigned at the factory and consists of six pairs of hexadecimal characters, for example, 00:DS:GG:22:35:01.

You need to know the MAC address of the devices you wish to filter.

You can choose “Disable” or “Whitelist” or “Blacklist”, both can be implemented for Mac filter logic.

Whitelist: will only allow devices with the selected MAC address connect.

Blacklist: will only deny devices with the selected MAC address from connecting.

IONLINE
Connected Networks

Home SMS Settings Logout English 4G 0

Mobile Network Internet WiFi Voice VoIP Security Mac Filter IP Filter Port Forwarding DMZ Settings PIN Management Diagnosis UPnP Management

MAC Filter

Status:

- Whitelist will only allow devices with the selected MAC address connect. If the whitelist is empty, users will not be able to access the Internet.

- Blacklist will only deny devices with the selected MAC address from connect the internet.

- E.g: "XX:XX:XX:XX:XX:XX".

Mac Address	Option

Add

Apply

COPYRIGHT © 2023 | Open Source Notice

IP Filter

Similar to Mac Filter, You can filter by IP address, Protocol, Port number. IP Filtering configuring includes LAN IP address, LAN port, WAN IP address, WAN port and Protocol.

Whitelist: set the IP addresses that allowed to access.

Blacklist: set the IP addresses that not allowed to access.

The value range of LAN/WAN Port is 1-65535.

Settings will not take effect until the “**Apply**” button is clicked.

IONLINE
Connected Networks

Home SMS Settings Logout English 4G

Mobile Network Internet WiFi Voice VoIP Security Mac Filter IP Filter Port Forwarding DMZ Settings PIN Management Diagnosis UPnP Management

IP Filter

Status: Disable

- Whitelist: Set the websites that users are allowed to access. If the whitelist is empty, users will not be able to access the Internet.
- Blacklist: Set the websites that you do not want users to access.
- The value range of LAN/WAN Port is 1-65535.
- Settings will not take effect until the "Apply" button is clicked.

LAN IP Address	LAN Port	WAN IP Address	WAN Port	Protocol	Status	C
<input type="button" value="Add"/> <input type="button" value=""/> <input type="button" value=""/> <input type="button" value=""/>						

Apply

COPYRIGHT © 2023 | Open Source Notice

Port Forwarding

In this section you can enable external computers to access FTP or other services provided by the LAN.

IP address: Designate a computer located at the LAN to provide services.

LAN/WAN port: The part of the computer that provides services. It is a single part and the value range of LAN/WAN Port is 1-65535.

Protocol: Protocols applied by services.

Note: Settings will not take effect until the “**Apply**” button is clicked.

- Mobile Network ▶
- Internet ▶
- WiFi ▶
- Voice ▶
- VoIP ▶
- Security ▾
- Mac Filter
- IP Filter
- Port Forwarding**
- DMZ Settings
- PIN Management
- Diagnosis
- UPnP
- Management ▶

Port Forwarding

-IP address: Designate a computer located at the LAN to provide services.

-LAN/WAN port: The port of the computer that provides services. It is a single port and the value range of LAN/WAN Port is 1-65535.

-Protocol: Protocols applied by services.

-Note: Settings will not take effect until the "Apply" button is clicked.

Name	WAN Port	LAN IP Address	LAN Port	Protocol	Status	Options
Add						

Apply

COPYRIGHT © 2023 | Open Source Notice

DMZ Settings

DMZ allows outside network to connect in and communicate with internal LAN devices via this WAN interface. When setting a particular internal IP address as the DMZ Host, all incoming packets will be checked by the Firewall and NAT algorithms then passed to the DMZ host, when a packet received does not use a port number used by any other Virtual Server entries.

- Mobile Network
- Internet
- WiFi
- Voice
- VoIP
- Security 
- Mac Filter
- IP Filter
- Port Forwarding
- DMZ Settings 
- PIN Management
- Diagnosis
- UPnP
- Management

DMZ Settings

DMZ status:

DMZ IP address:

COPYRIGHT © 2023 | [Open Source Notice](#)

DMZ IP Address: Give a static IP address to the DMZ Host when Enabled button is checked. Be aware that this IP will be exposed to the WAN/Internet.

PIN Management

In this section, you can configure PIN code to make your device securer.

- Mobile Network 
- Internet 
- WiFi 
- Voice 
- VoIP 
- Security 
- Mac Filter
- IP Filter
- Port Forwarding
- DMZ Settings
- PIN Management** 
- Diagnosis
- UPnP
- Management 

PIN Management

PIN operation:

PIN code:

Remaining attempts: 3

COPYRIGHT © 2023 | [Open Source Notice](#)

Diagnosis

This page gives you various diagnostics about Ping, Traceroute and DNS Lookup for IP connection.

- Mobile Network 
- Internet 
- WiFi 
- Voice 
- VoIP 
- Security 
- Mac Filter
- IP Filter
- Port Forwarding
- DMZ Settings
- PIN Management
- Diagnosis** 
- UPnP
- Management 

Diagnosis

Diagnosis:



Count:

destination:

COPYRIGHT © 2023 | [Open Source Notice](#)

UPnP

In this section, you can click “Apply” to configure the UPnP status. UPnP devices can automatically obtain IP address and dynamically access the Internet.

- Mobile Network 
- Internet 
- WiFi 
- Voice 
- VoIP 
- Security 
- Mac Filter
- IP Filter
- Port Forwarding
- DMZ Settings
- PIN Management
- Diagnosis
- UPnP 
- Management 

UPnP Settings

UPnP (Universal Plug and Play) service is forwarded through the port, which can realize the intelligent interconnection between any two UPnP devices. UPnP devices can automatically obtain IP addresses and dynamically access the Internet.

UPnP Status:  

 Apply

COPYRIGHT © 2023 | Open Source Notice

Management

NTP

In this section, you can configure network time, time server and time zone.

- Mobile Network
- Internet
- WiFi
- Voice
- VoIP
- Security
- Management
- NTP**
- Device Information
- Statistics
- System Log
- System Admin
- Upgrade
- Reboot & Reset

NTP

Current time: 2023-12-06 05:17:02 [Change Time](#)

Status: Succeed to synchronize

Last synchronize: 2023-12-06 04:06:44

Time zone: Africa/Johannesburg [Change Timezone](#)

Time Format: 24-hour format

Enable auto-sync with network time

Time server1: time.windows.com

Time server2: europe.pool.ntp.org

Time server3: pool.ntp.org

Time server4:

Time server5:

Apply

COPYRIGHT © 2023 | [Open Source Notice](#)

Device Information

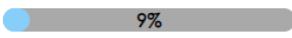
In this section you can check the basic device information.

- [Mobile Network](#)
- [Internet](#)
- [WiFi](#)
- [Voice](#)
- [VoIP](#)
- [Security](#)
- [Management](#)
- [NTP](#)
- [Device Information](#)
- [Statistics](#)
- [System Log](#)
- [System Admin](#)
- [Upgrade](#)
- [Reboot & Reset](#)

Device Information

Device Name:	TD0551B-EU
Software Version:	TD0551B-EU_V0303
Hardware Version:	TD0551B-EU_MB_V1.00
IMEI:	862211041804444
MAC Address:	A4:D4:B2:89:2A:35
Serial Number:	202311231951000002

Device Status

CPU usage:	 9%
Memory usage:	 159.43MB/482.86MB
System uptime:	1 Hour 11 Mins

COPYRIGHT © 2023 | [Open Source Notice](#)

Device Name: Model name of the router.

Software Version: software version currently loaded in the router.

Hardware Version: hardware version currently loaded in the router.

IMEI: The unique identification number that is used to identify the 4G LTE module.

MAC Address: A unique number that identifies the router.

Serial Number: device serial number.

Statistics

In this section you can easily monitor your data usage. Please note that upload data, download data and total data usage will be reset when the Router is restored to factory settings.

Mobile Network

Internet

WiFi

Voice

VoIP

Security

Management

NTP

Device Information

Statistics

System Log

System Admin

Upgrade

Reboot & Reset

Bandwidth Monitoring

Upload Data: 10.79 MB

Download Data: 170.71 MB

Total Data Usage: 181.51 MB

The Bandwidth monitor tab shows approximate data usage. For a more accurate solution, Please contact your data provider.

[Clear History](#)COPYRIGHT © 2023 | [Open Source Notice](#)

Clear history: Click it to clear the history statistics.

System Log

In this section, you can configure and export the system log.

Mobile Network ▶

Internet ▶

WiFi ▶

Voice ▶

VoIP ▶

Security ▶

Management ▾

NTP

Device Information

Statistics

System Log

System Admin

Upgrade

Reboot & Reset

System Log

<input type="checkbox"/> monitor:	none ▾
<input type="checkbox"/> atserver:	none ▾
<input type="checkbox"/> router:	none ▾
<input type="checkbox"/> wireless_net:	none ▾
<input type="checkbox"/> dialup:	none ▾
<input type="checkbox"/> WiFi:	none ▾
<input type="checkbox"/> web server:	none ▾
<input type="checkbox"/> device_control:	none ▾
<input type="checkbox"/> voice:	none ▾
<input type="checkbox"/> tr069:	none ▾
<input type="checkbox"/> upgrade:	none ▾
<input type="checkbox"/> ntp:	none ▾
<input type="checkbox"/> statistics:	none ▾
<input type="checkbox"/> database:	none ▾

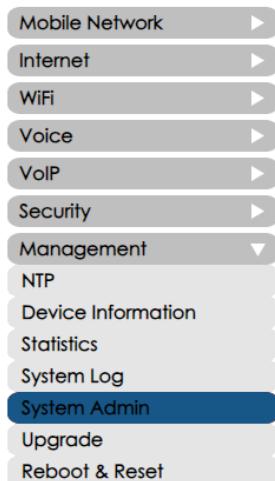
[Export](#)[Config](#)

System Admin

The admin account can change all router settings.

Note: To keep your router secure, you should give the admin account a strong password.

Apply: click it to make the new password effective.



Admin Password

Current password:

New password:

Confirm password:

Apply

COPYRIGHT © 2023 | Open Source Notice

Upgrade

Your router can automatically detect firmware updates. In this section you can configure the update type for your router with Manual Update. And you can also check the software and hardware information.

Manual Update: you can update the router version via PC Local file. And click “**Update**” after selecting the update file.

- Mobile Network ▶
- Internet ▶
- WiFi ▶
- Voice ▶
- VoIP ▶
- Security ▶
- Management ▾
- NTP
- Device Information
- Statistics
- System Log
- System Admin
- Upgrade**
- Reboot & Reset

Upgrade

Update Type:

Current Software version: TD0551B-EU_V0303

Current Hardware version: TD0551B-EU_MB_V1.00

File Name:

COPYRIGHT © 2023 | Open Source Notice

Reboot & Reset

In this section you can reboot your router or reset it to factory settings.



IONLINE
Connected Networks

Home SMS Settings Logout English ▾ 4G 0

- Mobile Network
- Internet
- WiFi
- Voice
- VoIP
- Security
- Management
- NTP
- Device Information
- Statistics
- System Log
- System Admin
- Upgrade
- Reboot & Reset**

Reboot & Reset

Rebooting the device will takes about 60 seconds.
Click the button below to reboot.

Reboot

Click the button below to reset the device to its factory settings.

Reset

COPYRIGHT © 2023 | Open Source Notice

Logout

Click **Logout** to logout from your router.



IONLINE
Connected Networks

Home SMS Settings Logout English ▾ 4G 0

CHAPTER 4: TROUBLESHOOTING

When your router is not functioning properly, please refer to this chapter for simple troubleshooting before contacting your service provider. This can save you time and effort but if symptoms persist, consult your service provider.

1. Restore the factory default

The “Reset” button, located on the back of the unit, is used in rare cases when the Router functions improperly. The device will restart with restored factory default settings.

You can restore the factory settings by using “Reset” button. Press and hold “Reset” button for at least 3 seconds, and then release it. The LED indicators on the router will momentarily flash. The restore is complete when the router restarts automatically.

2. Using WPS Button

Start WPS Push Button Connection (WPS PBC) on your computer or other Wi-Fi devices that you would like to connect to your router. Often there will be a button for this purpose in software that came with the device, or a physical “WPS,” “PBC,” or “Security” button on the device itself.

Within two minutes, press the WPS button on your router. The connection will complete automatically.

You can repeat this process for each WPS-enabled device you’d like to add to your network.

3. Connectivity issues

Ensure your SIM card is inserted correctly and has an active data plan.

Wireless technology is radio-based, which means connectivity and the throughput performance between devices decreases when the distance between devices increases. Other factors that will cause signal degradation (metal is generally the worst culprit) are obstructions such as walls and metal appliances. Note also that connection speed may decrease as you move farther away from the Router.

In order to determine if wireless issues are related to range, we suggest temporarily moving the computer within 10 feet from the Router if possible.

Changing the wireless channel—Depending on local wireless traffic and interference, switching the wireless channel of your network can improve performance and reliability.

FCC Regulations

FCC ID: 2APQU-K868CPE

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.

(2) this device must accept any interference received, including interference that may cause undesired operation.

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

This equipment has been tested and found to comply with the limits of 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/relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Information

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20 cm during normal operation

Caution:

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