



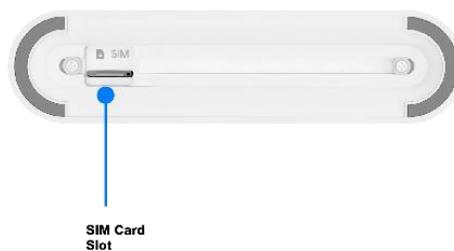
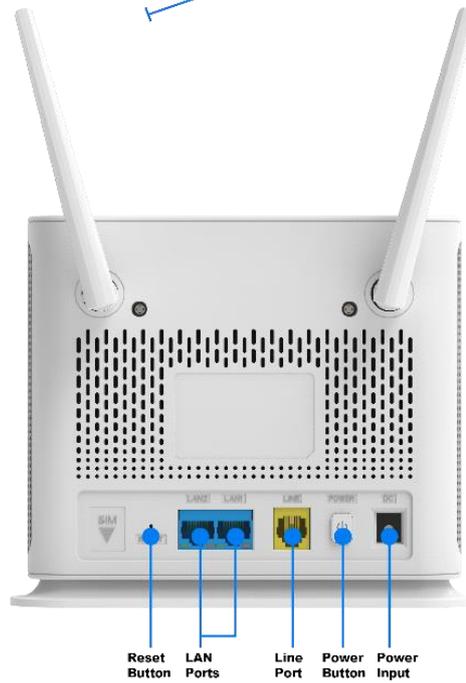
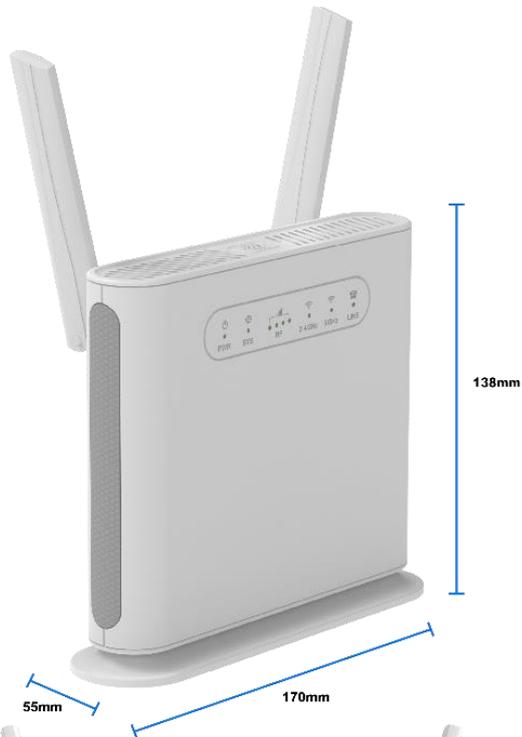
User Manual

JT3600D

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1. Device External Interface



■ Environmental Specification

Feature	Specs.	Feature	Specs.
Operating temperature	-15°C to 55°C	Operating humidity	0 to 95%
Storage temperature	-40°C to 85°C	Storage humidity	0 to 95%

■ LED Indicators

LED Indicator	Functions	Description
PWR	System indicator	Orange Color – Device is powered on and booting, Blinking Orange – SIM card is error. Green Color —Device is working normal stats.
SYS	WAN indicator	Blinking Orange– Wireless not ready Green – 4G link is up the operational
RF	Wireless signal indicator	RF1 Blinking – Network searching and N=no wireless connection is established RF1: -140dBm <= RSRP < -115dBm RF2: -115dBm <= RSRP < -105dBm RF3: -105dBm <= RSRP < -95dBm RF4: -95dBm <= RSRP
2.4G	2.4GHz Wi-Fi & WPS status indicator	Green Light – Wi-Fi is enabled and working. Blinking Orange – Device WPS is triggered and at work
5G	5GHz Wi-Fi & WPS status indicator	Green Light – Wi-Fi is enabled and working. Blinking Orange – Device WPS is triggered and at work
Line	POTS line status indicator	OFF – Line is not registered or provisioned. Green Color – The line is ready and registered Green Blinking – Voice call is in progress
LAN(Backface)	LAN port status indicator	OFF – No LAN cable connected Solid Green – The LAN port is up Blinking Green – LAN data transmission in progress

2. Installing And Power on

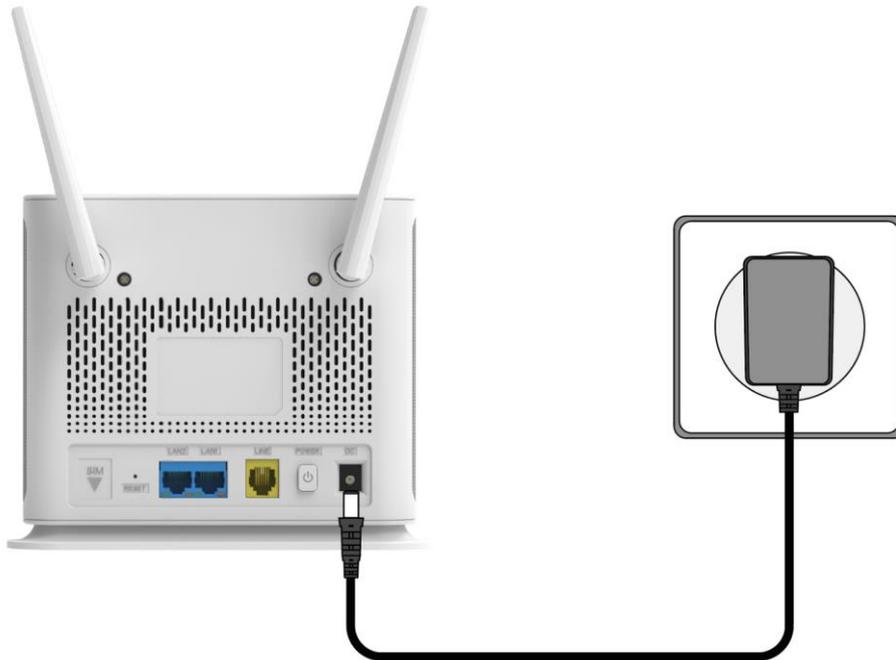
Insert the SIM CARD

Before powering on the device, please insert the SIM card in the direction indicated on the top of the device.



Power On

Connect your device to an available AC power outlet using the included power adapter. The device's SYS LED indicator will change from orange to green to indicate the device has completed the startup procedure.



Establish LTE Connection

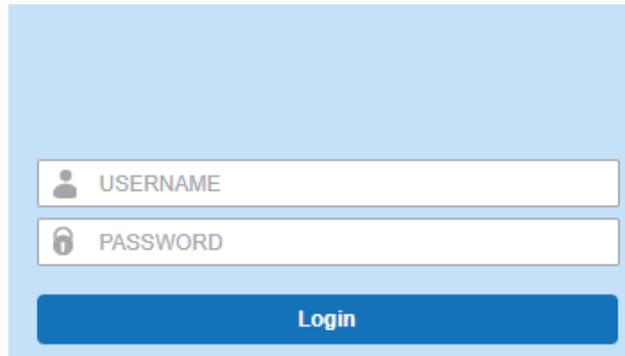
Once powered on, the device will automatically connect to the strongest available signal.

3. Managing Your Device

■ WEB Login

It is recommended that you log in to the device by using a web browser from a PC that's connected to the device's LAN port. To log in, open a web browser and type **http://192.168.0.1** in the address bar. A window will pop up requesting a password. Input the user login password and then click the “**Login**” button. After successfully logging in, the default home page will appear.

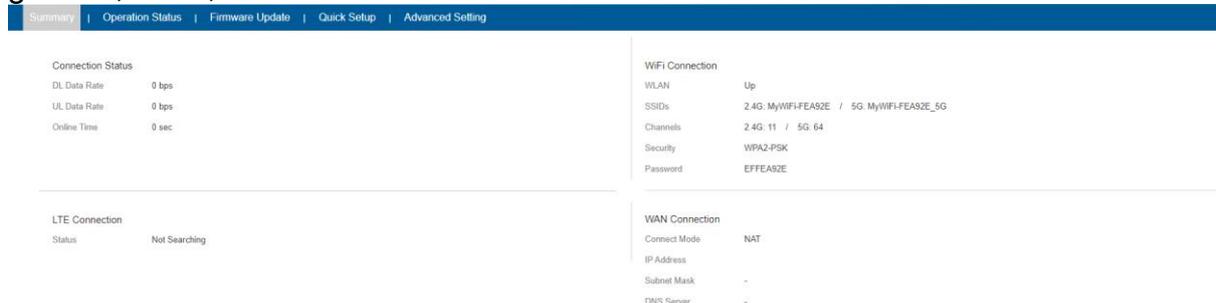
The super admin username is “admin” and default password are “admin123”.



The login page features a light blue background. At the top, there is a header area. Below it, there are two input fields: the first is labeled 'USERNAME' with a person icon, and the second is labeled 'PASSWORD' with a lock icon. Below these fields is a prominent blue button labeled 'Login'.

■ System Info

The menu shows the general system info of the CPE device. It includes system, general, WAN, LAN information.

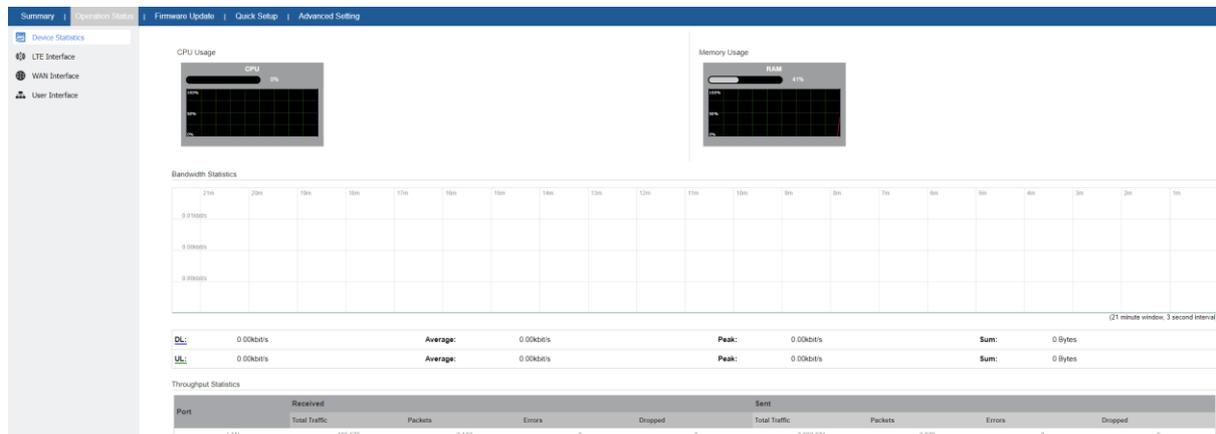


The System Info page has a navigation bar with 'Summary', 'Operation Status', 'Firmware Update', 'Quick Setup', and 'Advanced Setting'. The main content is divided into four sections:

- Connection Status:** DL Data Rate: 0 bps, UL Data Rate: 0 bps, Online Time: 0 sec.
- LTE Connection:** Status: Not Searching.
- WiFi Connection:** WLAN: Up, SSIDs: 2.4G: MyWiFi-FA92E / 5G: MyWiFi-FA92E_5G, Channels: 2.4G: 11 / 5G: 64, Security: WPA2-PSK, Password: EF9E92E.
- WAN Connection:** Connect Mode: NAT, IP Address: -, Subnet Mask: -, DNS Server: -.

■ Device Statistics

The menu shows the CPE device traffic statistics and memory usage information.



The Device Statistics page features a sidebar with 'Device Statistics', 'LTE Interface', 'WAN Interface', and 'User Interface'. The main content includes:

- CPU Usage:** A gauge showing CPU usage at 2%.
- Memory Usage:** A gauge showing RAM usage at 67%.
- Bandwidth Statistics:** A line graph showing traffic over time. Below the graph, a table shows:

DL:	0.00kb/s	Average:	0.00kb/s	Peak:	0.00kb/s	Sum:	0 Bytes
UL:	0.00kb/s	Average:	0.00kb/s	Peak:	0.00kb/s	Sum:	0 Bytes
- Throughput Statistics:** A table showing traffic for LAN:

Port	Received				Sent			
	Total Traffic	Packets	Errors	Dropped	Total Traffic	Packets	Errors	Dropped
LAN	196,575	2,132	0	3	3,902,671	3,879	0	0

■ LTE Interface

The menu shows the LTE Connection status and LTE interface info.

Summary Operation Status Firmware Update Quick Setup Advanced Setting	
Device Statistics	Connection Status
LTE Interface	Connection mode: LTE
WAN Interface	Connection Status: USIM Not Ready
User Interface	USIM Status: USIM Not Ready
	IMEI: -
	MSIS: -
	Status
	Cell Info: PCC
	DL MCS: 9
	UL MCS: 9
	DL Frequency: -
	UL Frequency: -
	Bandwidth: -
	RSSI: -
	RSRP: -
	RSRQ: -
	SINR: -
	TX Power: -
	PCI: -
	CINR: -
	Cell ID: -
	MCC: -
	MNC: -
	eNB ID: -
	Rank: -
	QCI: -

■ WAN Interface

The menu shows the WAN status and LTE APN interface info.

Summary Operation Status Firmware Update Quick Setup Advanced Setting	
Device Statistics	WAN Status
LTE Interface	APN List
WAN Interface	APN Name IP Address DNS IPv6 Address IPv6 DNS
User Interface	

■ User Interface

The menu shows LAN status and device list.

Summary Operation Status Firmware Update Quick Setup Advanced Setting	
Device Statistics	LAN Status
LTE Interface	Link Status: Up
WAN Interface	Speed / Duplex: 100Mbps / Full
User Interface	LAN IP: 192.168.0.1
	DHCP Server: 192.168.0.100-192.168.0.254
	Device List (WIFI & LAN)
	Index Device Name IP Address MAC Address Lease Time

■ Maintenance / Update

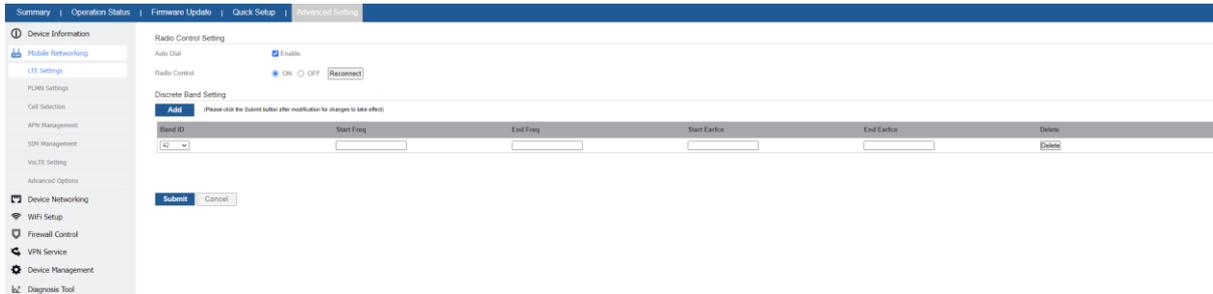
This menu allows user to perform firmware upgrade via WEG GUI with option to reset to factory setting. It can also configure the remote upgrade using FTP, TFTP or HTTP.

Summary Operation Status Firmware Update Quick Setup Advanced Setting	
Local Upgrade	Local Firmware Upgrade
Auto Upgrade	<input checked="" type="checkbox"/> No Reset <input type="checkbox"/> Reset to Factory Defaults Please select a file to upgrade: <input type="button" value="Choose File"/> No file chosen
	<input type="button" value="Upgrade"/>
	Firmware Rollback
	Current Firmware Version: V1.7.0.P6.3420 Build on: Sep 01 2022
	Rollback Firmware Version: V1.7.0.P6.3420 Build on: Aug 19 2022
	<input type="button" value="Rollback"/>

4. Wireless Configuration

■ LTE Settings

The LTE radio can be enabled or disabled via 4G Radio setting. The radio can also be reset via Reconnect.



■ APN Settings

This menu is used to configure the operator APN profile. You can configure single or multiple APNs for the operator network. The below shows an example of two APN configuration.



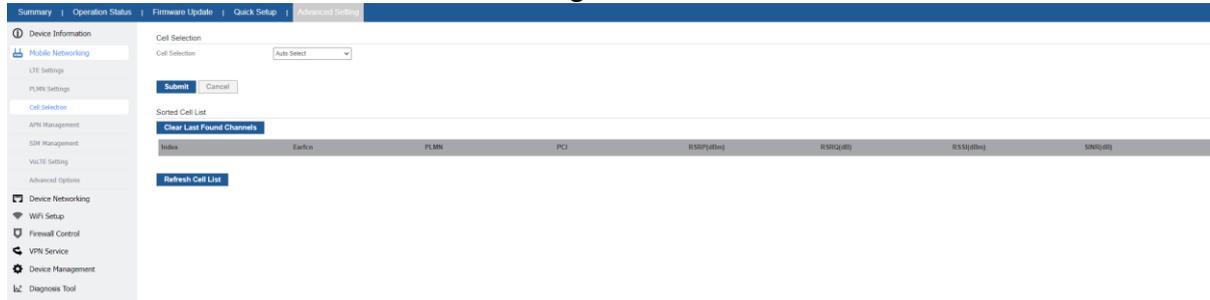
■ PLMN Selection

The user can add and configure the PLMN list to restrict the CPE to attach. The CPE will attach to network according to the PLMN priority assigned. It is recommended to use Auto selection for normal user.



■ Cell Selection

The cell selection menu is used to configure how CPE will select the best cell.



The screenshot shows the 'Cell Selection' configuration page. At the top, there is a 'Cell Selection' dropdown menu set to 'Auto Select' and 'Submit' and 'Cancel' buttons. Below this is a 'Sorted Cell List' section with a 'Clear Last Found Channels' button. A table lists various cell parameters:

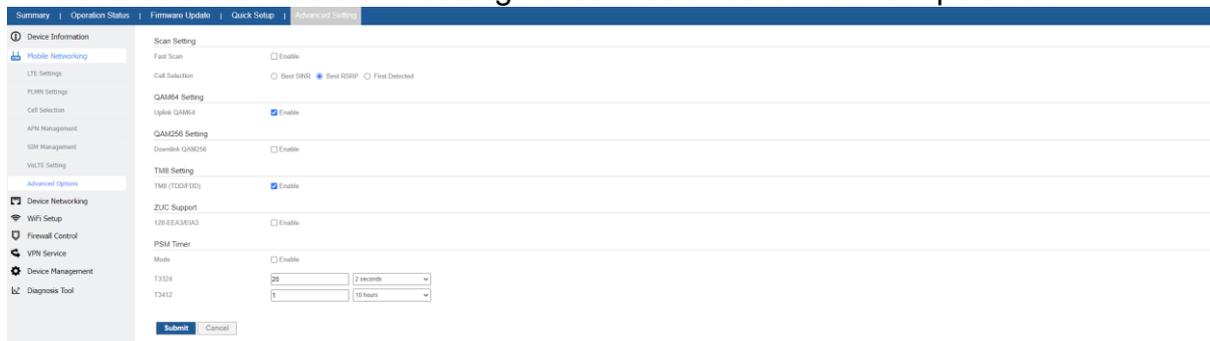
Index	Earfcn	PLMN	PCI	RSCP(dBm)	RISQ(dB)	RSS(dBm)	SINR(dB)
Refresh Cell List							

■ Advanced

In this menu, you can configure advanced options for the CPE operation.

Fast scan will allow you to quickly connect to good cell when they are first found instead of search the best cell. The ZUC encryption support is only required when your core network (EPC) force to use the ZUC encryption for access authentication. The operation mode allows you to select the UE capability for receiving and transmitting. Depending on the hardware implementation, 4x4 MIMO or 2x2 MIMO & CA can be selected for downlink operation. If the RF hardware supports 2TX, then 2Tx operation can be enabled.

In addition, the PSM timer and location service UE settings can also be configured for advanced users. Default settings should be used for normal operation.



The screenshot shows the 'Advanced' configuration page. It includes several settings:

- Scan Setting:**
 - Fast Scan: Enable
 - Cell Selection: Best SINR, Best RSCP, First Detected
- QAM64 Setting:**
 - Uplink QAM64: Enable
- QAM256 Setting:**
 - Downlink QAM256: Enable
- TMB Setting:**
 - TMB (TDSP/DC): Enable
- ZUC Support:**
 - 128-EEA3/E0/3: Enable
- PSM Timer:**
 - Mode: Enable
 - 13324: [20] [2 seconds]
 - 13412: [1] [10 hours]

■ SIM Management

This menu is used to view the SIM card status and perform PIN code management for SIM card. You disable or enable the SIM card PIN check on the CPE to bind the SIM card inserted.



The screenshot shows the 'SIM Management' page in the Jaton Tec web interface. The left sidebar contains a navigation menu with 'SIM Management' selected. The main content area is titled 'SIM Card Information' and includes the following fields:

- SIM Card Status:** Error
- Rollback PIN:** -
- PIN Check Enabled:** -
- PIN Management:** Enable PIN (dropdown menu)
- SIM PLMN:** SIM HPLMN-ID Restriction Enable

Below these fields is an 'Add' button with a note: '(Please click the Submit button after modification for changes to take effect)'. At the bottom, there is a table with columns for 'Index', 'MCC', 'MNC', and 'Delete'. A 'Submit' button and a 'Cancel' button are located at the bottom left of the main content area.

■ VoLTE Setting

This menu is used to view the enable the VoLTE Call function.



The screenshot shows the 'VoLTE Setting' page in the Jaton Tec web interface. The left sidebar contains a navigation menu with 'VoLTE Setting' selected. The main content area is titled 'VoLTE Settings' and includes the following fields:

- Enable the VoLTE function, need to add into APN configuration in APN Management:** (Note)
- VoLTE Call:** Enable

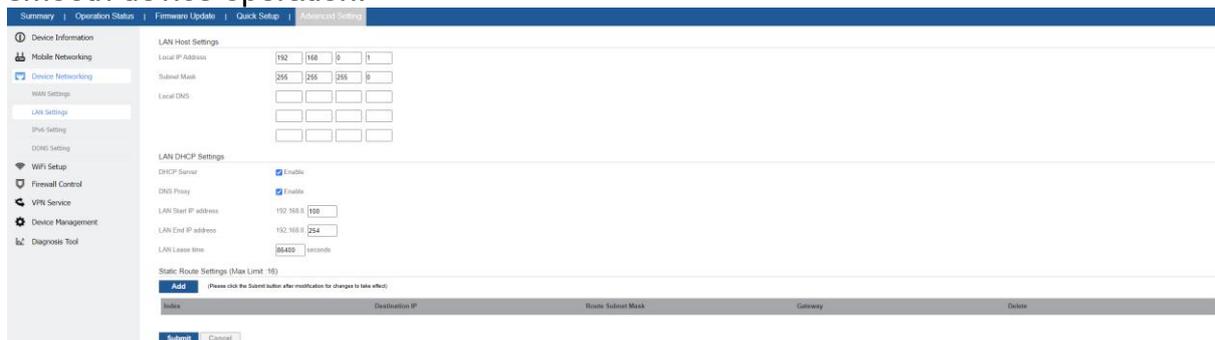
Below these fields is a 'Submit' button and a 'Cancel' button.

5. Network Configuration

■ LAN Networking

The LAN setting allows user to specify the device LAN IP, DHCP server setting, Local DNS etc. When Router mode is selected, the DHCP server should be enabled by default.

User is advised to leave the default setting unchanged for quick configuration and smooth device operation.



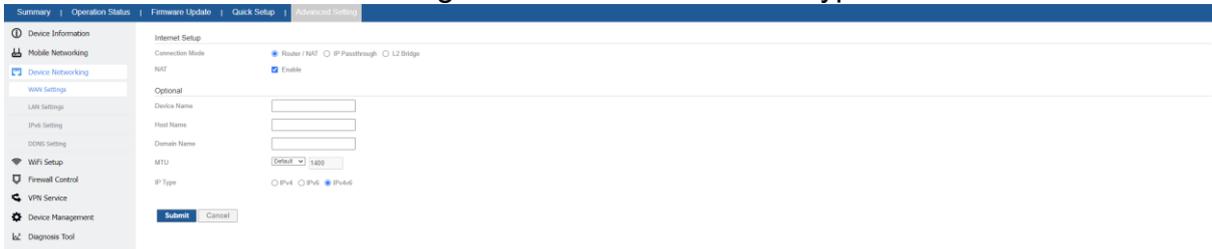
The screenshot shows the 'LAN Networking' page in the Jaton Tec web interface. The left sidebar contains a navigation menu with 'LAN Settings' selected. The main content area is titled 'LAN Host Settings' and includes the following fields:

- LAN Host Settings:**
 - Local IP Address:** 192.168.0.0
 - Subnet Mask:** 255.255.255.0
 - Local DNS:** (empty fields)
- LAN DHCP Settings:**
 - DHCP Server:** Enable
 - DNS Proxy:** Enable
 - LAN Start IP address:** 192.168.0.100
 - LAN End IP address:** 192.168.0.254
 - LAN Lease time:** 36000 seconds
- Static Route Settings (Max Limit: 15):**
 - Add:** (Please click the Submit button after modification for changes to take effect)

At the bottom, there is a table with columns for 'Index', 'Destination IP', 'Route Subnet Mask', 'Gateway', and 'Delete'. A 'Submit' button and a 'Cancel' button are located at the bottom left of the main content area.

■ WAN Fallback

This Menu allows user to configure the WAN connection type & DHCP mode.



The screenshot shows the 'Advanced Settings' page for WAN configuration. The 'Internet Setup' section includes 'Connection Mode' (Router / NAT selected), 'NAT' (Enabled), and 'Optional' fields for Device Name, Host Name, Domain Name, and MTU (Default 1480). The 'IP Type' section has radio buttons for IPv4, IPv6, and IPv6v4 (selected). 'Submit' and 'Cancel' buttons are at the bottom.

■ IPv6 Settings

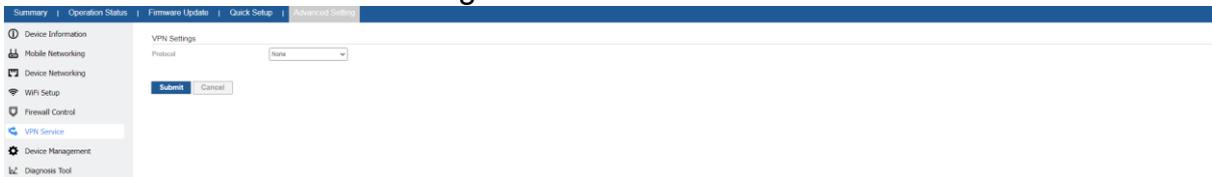
On this page, user configure the IPv6 operation setting for the CPE device.



The screenshot shows the 'Advanced Settings' page for IPv6 configuration. The 'IPv6 Information' section includes 'IPv6 Status' (Enabled), 'WAN Connection Type' (AutoConfiguration), 'IPv6 MGMT Global Address', 'LAN Address', 'IPv6 DATA Global Address', 'IPv6 Link-Local Address', and 'AutoConfiguration Type' (SLAAC).

■ VPN Settings

This section allows user to configure VPN service for selected connection mode.



The screenshot shows the 'Advanced Settings' page for VPN configuration. The 'VPN Settings' section includes a 'Protocol' dropdown menu currently set to 'None' and 'Submit' and 'Cancel' buttons.

6. Wi-Fi Configuration

■ Wi-Fi Status

This shows the CPE Wi-Fi information.

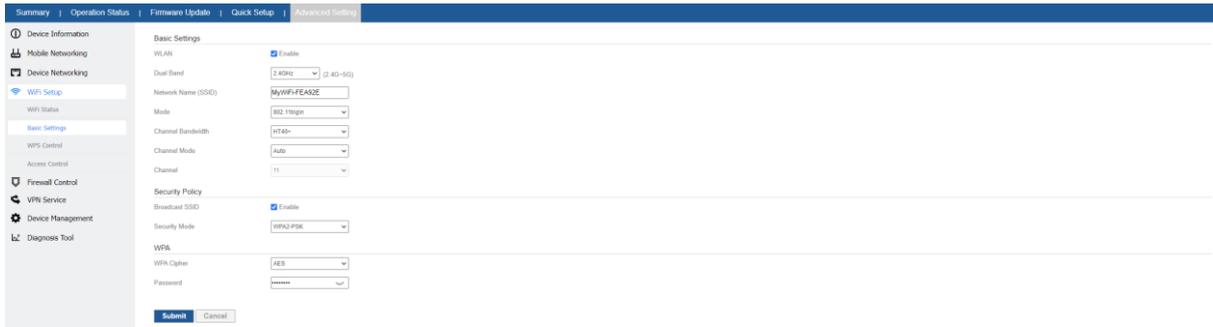


The screenshot shows the 'Advanced Settings' page for Wi-Fi configuration. The 'AP Information' section includes fields for Name, SSID, Password, Mode, Channel, and Channel Bandwidth. The 'Device List' table below shows columns for Index, 2.4GHz, Host Name, MAC Address, IP Address, and RSSI.

Index	2.4GHz	Host Name	MAC Address	IP Address	RSSI

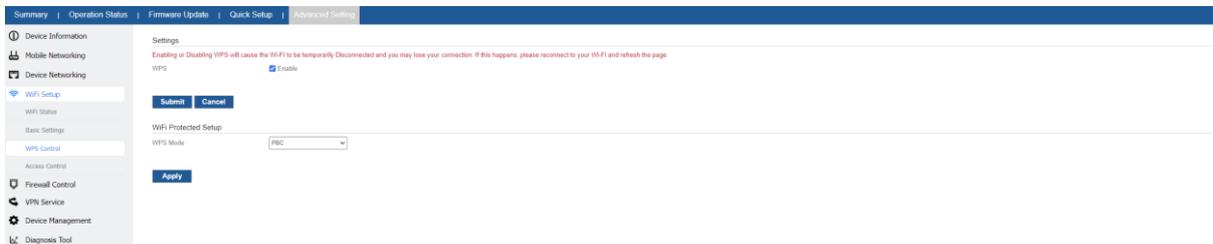
■ Network Settings

In the Wi-Fi configuration, the operator can modify the default SSID and select the desired Security Policy to protect device Wi-Fi access. For easy configuration, the operator can use one of the following three recommended common security policies for setup.



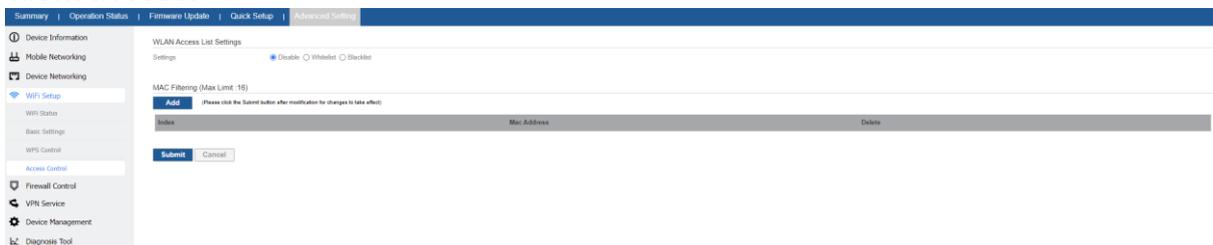
■ WPS Settings

The WPS setting allows user to enable or disable 2.4GHz or 5GHz Wi-Fi WPS service.



■ Access Management

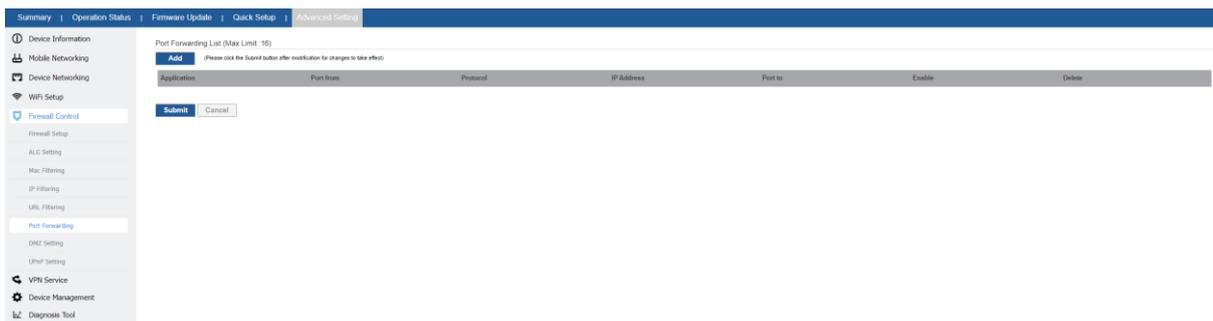
Wi-Fi Mac filter allows to provide black or white list capability to manage the Wi-Fi client access.



7. Data Services

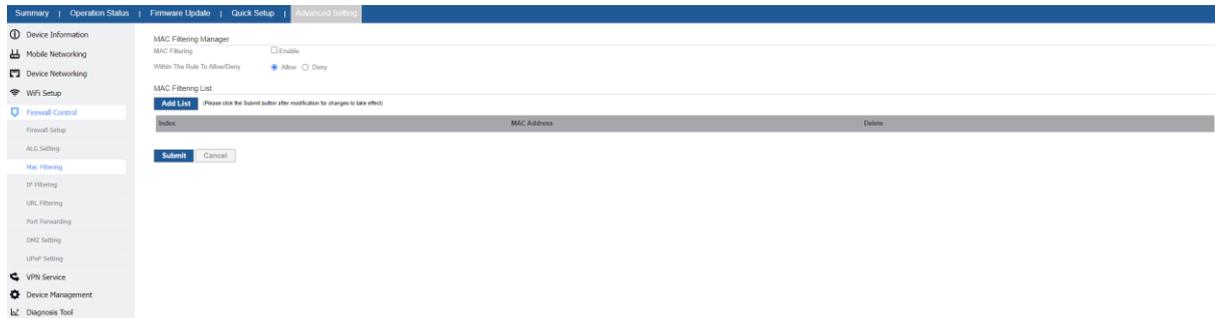
■ Port Forwarding

This menu allows user to configure the port forwarding rules for the CPE in router mode.



■ MAC Filtering

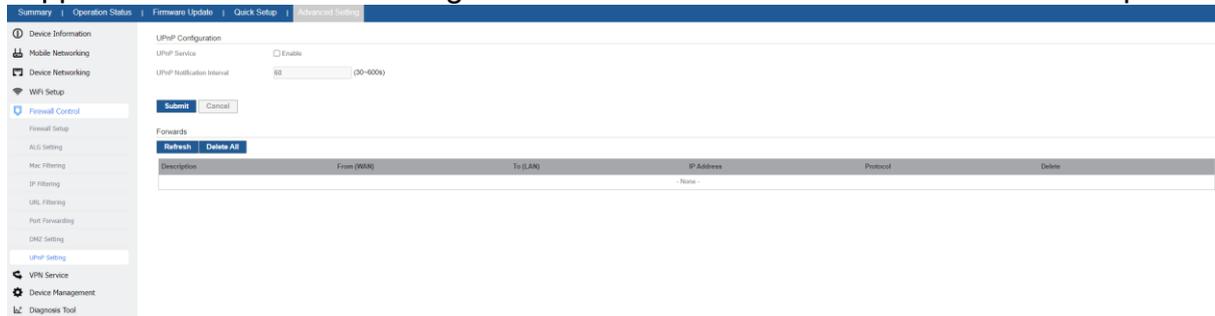
This allows user to create MAC filter to control the client access.



The screenshot shows the 'MAC Filtering Manager' configuration page. It includes a sidebar with navigation options like 'Device Information', 'Mobile Networking', 'Device Networking', 'WiFi Setup', 'Firewall Control', 'Firewall Setup', 'ALG Setting', 'Mac Filtering', 'IP Filtering', 'URL Filtering', 'Port Forwarding', 'DMZ Setting', 'UPnP Setting', 'VPN Service', 'Device Management', and 'Diagnosis Tool'. The main content area has tabs for 'Summary', 'Operation Status', 'Firmware Update', 'Quick Setup', and 'Advanced Setting'. The 'MAC Filtering Manager' section has an 'Enable' checkbox and radio buttons for 'Allow' (selected) and 'Deny'. Below is a 'MAC Filtering List' table with columns for 'Index', 'MAC Address', and 'Delete'. There are 'Add List', 'Submit', and 'Cancel' buttons.

■ UPnP

This menu allows user to configure the UPnP application for on-demand “DMZ” support. The current forwarding rules created can be viewed and cleared if required.



The screenshot shows the 'UPnP Configuration' page. It features a sidebar with navigation options similar to the previous page. The main content area has tabs for 'Summary', 'Operation Status', 'Firmware Update', 'Quick Setup', and 'Advanced Setting'. The 'UPnP Configuration' section has an 'Enable' checkbox and a 'UPnP Notification Interval' field set to '60' (00-600s). Below are 'Submit' and 'Cancel' buttons. A 'Forwards' section includes 'Refresh' and 'Delete All' buttons. A table shows forwarding rules with columns for 'Description', 'From (WAN)', 'To (LAN)', 'IP Address', 'Protocol', and 'Delete'. The table currently shows one rule with 'None' in the 'IP Address' column.

■ DMZ Setting

This menu allows user to configure the DMZ setting for CPE in router mode. Web server, Telnet/SSH and Ping Service port can be exempted from DMZ mapping if required. By enabling DMZ option will make the specified local LAN host (DMZ IP) exposed to Internet.



The screenshot shows the 'DMZ' configuration page. It features a sidebar with navigation options similar to the previous pages. The main content area has tabs for 'Summary', 'Operation Status', 'Firmware Update', 'Quick Setup', and 'Advanced Setting'. The 'DMZ' section has an 'Enable' checkbox and a 'DMZ Host IP Address' field set to '192.168.0.0'. Below are checkboxes for 'Exclude Web Server Port', 'Exclude Telnet/SSH Port', and 'Exclude Ping Service', all of which are checked. There are 'Submit' and 'Cancel' buttons.

■ Security Setting

This allows to configure security protection and ALG options.



8. Management

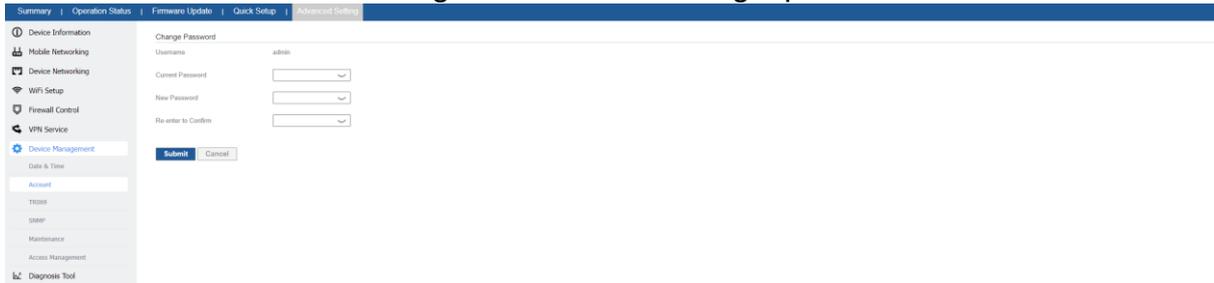
■ Maintenance

The menu allows user to configure the CPE reboot, factory reset and download or upload configuration file.



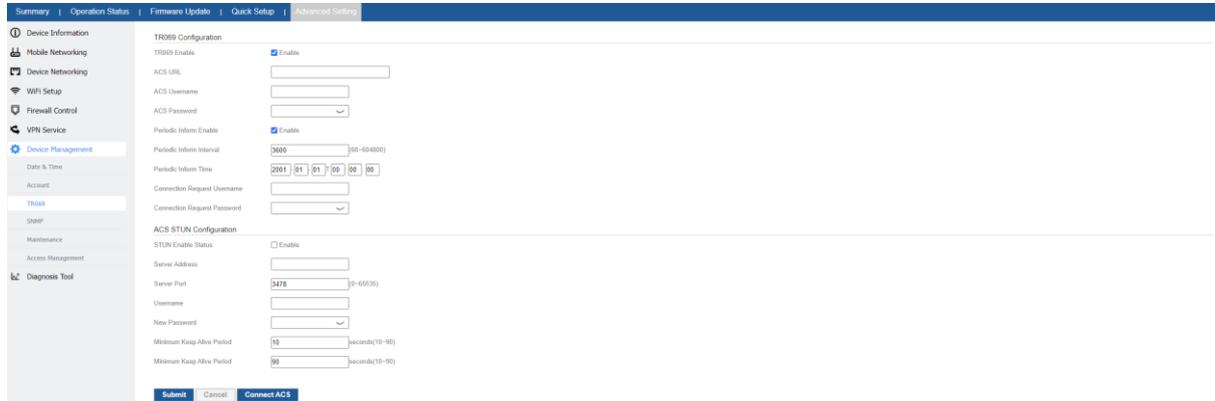
■ Password Setting

The menu allows user to configure the WEB GUI login password



■ TR069

The menu allows user to configure the necessary setting for TR069 management of the CPE device.



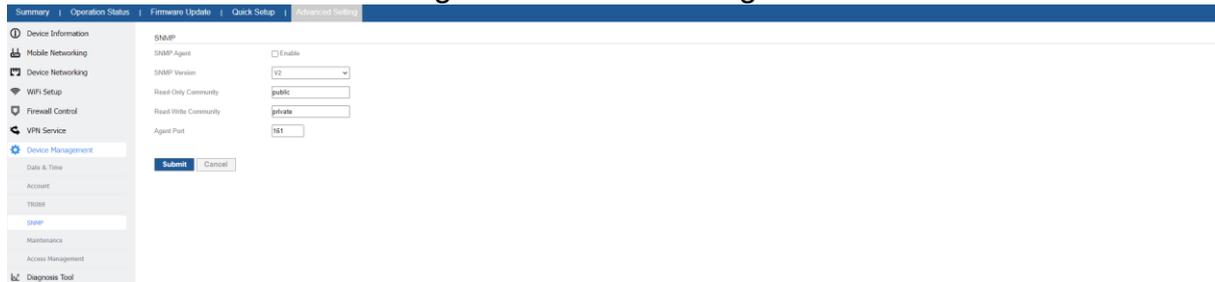
The screenshot shows the 'TR069 Configuration' page. The left sidebar contains navigation options: Device Information, Mobile Networking, Device Networking, WiFi Setup, Firewall Control, VPN Service, Device Management (selected), Date & Time, Account, TR069, SNMP, Maintenance, Access Management, and Diagnosis Tool. The main content area is titled 'TR069 Configuration' and includes the following fields:

- TR069 Enable:** Enable
- ACS URL:**
- ACS Username:**
- ACS Password:**
- Periodic Inform Enable:** Enable
- Periodic Inform Interval:** (0-404800)
- Periodic Inform Time:** | | | | (HH:MM:SS)
- Connection Request Username:**
- Connection Request Password:**
- ACS STUN Configuration:**
 - STUN Enable Status:** Enable
 - Server Address:**
 - Server Port:** (0-65535)
 - Username:**
 - New Password:**
 - Minimum Keep Alive Period:** (seconds)(0-90)
 - Maximum Keep Alive Period:** (seconds)(0-90)

Buttons at the bottom: **Submit**, **Cancel**, **Connect ACS**.

■ SNMP

The menu allows user to configure the SNMP setting.



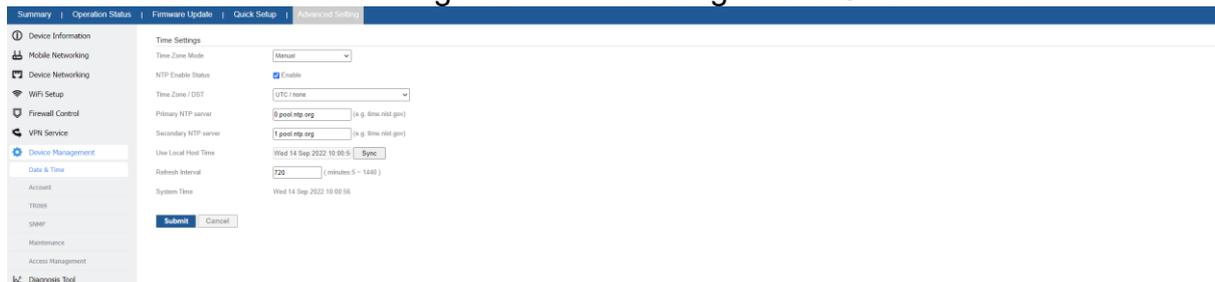
The screenshot shows the 'SNMP' configuration page. The left sidebar is identical to the TR069 page. The main content area is titled 'SNMP' and includes the following fields:

- SNMP:** Enable
- SNMP Agent:** Enable
- SNMP Version:**
- Read-Only Community:**
- Read-Write Community:**
- Agent Port:**

Buttons at the bottom: **Submit**, **Cancel**.

■ Date & Time

The menu allows user to configure the NTP setting for the CPE device.



The screenshot shows the 'Date & Time' configuration page. The left sidebar is identical to the previous pages. The main content area is titled 'Time Settings' and includes the following fields:

- Time Zone Mode:**
- NTP Enable Status:** Enable
- Time Zone / DST:**
- Primary NTP server:** (e.g. time.nist.gov)
- Secondary NTP server:** (e.g. time.nist.gov)
- Use Local Host Time:** **Sync**
- Refresh Interval:** (minutes 5 - 1440)
- System Time:**

Buttons at the bottom: **Submit**, **Cancel**.

9. Diagnosis

■ Iperf

This menu allows user to configure iPerf testing using WEB GUI interface. Both TCP and UDP tests can be supported. Remote iPerf server is required to conduct the tests.



The screenshot shows the 'Iperf Settings' page. The left sidebar contains navigation options: Device Information, Mobile Networking, Device Networking, WiFi Setup, Firewall Control, VPN Service, Device Management, and the active 'Diagnosis Tool' menu. Under 'Diagnosis Tool', there are links for Ping, Trace Route, Iperf, and Command Shell. The main content area is titled 'Iperf Settings' and includes the following fields:

- Iperf Version: A dropdown menu set to 'iperf3'.
- Status: Two buttons, 'Enable' (highlighted) and 'Disable'.
- Server Address: An empty text input field.
- Server Port: A text input field containing '8001' with a small '(1924-65535)' tooltip.
- Measurement Time: A text input field containing '60'.
- Protocol Type: A dropdown menu set to 'TCP'.
- Up/Down Link: A dropdown menu set to 'UpLink'.
- Window Size: A text input field containing '256' with a 'KB' unit indicator.
- TCP Client Number: A text input field containing '4'.

 At the bottom, there is an 'Iperf Result' section with 'Upload Speed' displayed as '- Mbps'.

■ Ping

This menu allows user to perform PING tests using WEB GUI interface. Both IPv4 and IPv6 can be supported.



The screenshot shows the 'Ping' configuration page. The left sidebar is identical to the Iperf page. The main content area is titled 'Ping' and includes the following fields:

- Target IP/Domain: An empty text input field.
- Packet Size: A text input field containing '64'.
- Timeout: A text input field containing '10'.
- Count: A text input field containing '4'.
- Ping: A 'Start' button.

 Below the form is a large empty rectangular area for displaying the test results.

■ Trace Route

This menu allows user to configure traceroute testing



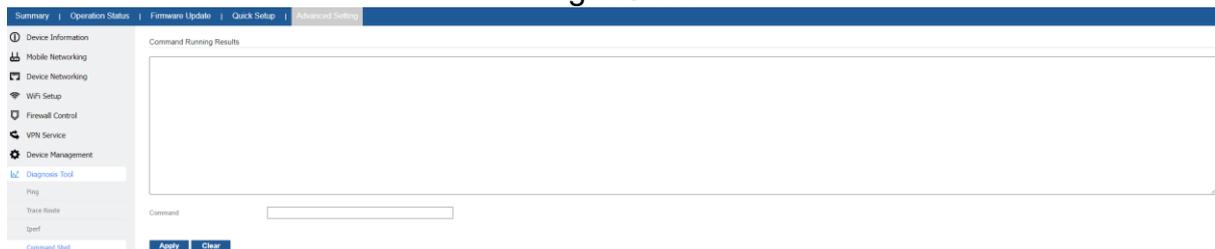
The screenshot shows the 'Trace Route' configuration page. The left sidebar is identical to the Iperf page. The main content area is titled 'Trace Route' and includes the following fields:

- Target IP/Domain: An empty text input field.
- Maximum Hops: A text input field containing '30'.
- Timeout: A text input field containing '10'.
- Traceroute: A 'Start' button.

 Below the form is a large empty rectangular area for displaying the test results.

■ Command Shell

This menu allows user to command for get CPE status.



The screenshot shows the 'Command Shell' page. The left sidebar is identical to the Iperf page. The main content area is titled 'Command Running Results' and features a large empty rectangular area for displaying command output. Below this area is a 'Command' text input field and two buttons: 'Apply' and 'Clear'.