

4G PoE Multi-Connect Modem

IDG470-WT001

User Manual



4G PoE Multi-Connect Modem

Chapter 1 Introduction.....	4
1.1 Introduction	4
1.2 Contents List.....	5
1.2.1 Package Contents.....	5
1.3 Hardware Configuration.....	7
1.4 LED Indication	9
1.5 Installation& Maintenance Notice	9
1.5.1 System Requirements	9
1.5.2 Warning.....	10
1.5.3 Hot Surface Caution	12
1.5.4 Product Information for CE RED Requirements.....	13
1.6 Hardware Installation.....	15
1.6.1 Mount the Unit	15
1.6.2 Insert the SIM Card	15
1.6.3 Connecting to the Network or a Host.....	16
1.6.4 Setup by Configuring WEB UI.....	16
Chapter 2 Status.....	17
2.1 Cellular	17
2.1.1 Network	17
2.1.2 Modem.....	18
2.1.3 Signal	21
2.2 Network.....	22
2.2.1 Client List.....	22
2.3 Security	23
2.3.1 VPN.....	23
2.4 DashBoard.....	24
2.4.1 PD Status	24
Chapter 3 Setup	25
3.1 Network.....	25
3.1.1 Cellular	26
3.1.2 Ethernet	28

4G PoE Multi-Connect Modem

3.1.3 Port Forwarding	30
3.1.4 DDNS	33
3.1.5 PoE	34
3.2 Routing	36
3.2.1 Static Routing	36
3.2.2 Routing Information	37
3.3 System	38
3.3.1 System Time	39
3.3.2 Language	40
3.3.3 System Information	40
3.3.4 Scheduling	40
Chapter 4 Security	41
4.1 VPN	42
4.1.1 OpenVPN	42
4.2 Firewall	45
4.2.1 Packet Filters	45
4.2.2 MAC Control	48
4.2.3 IPS	50
Chapter 5 Administrator	52
5.1 Manager	52
5.1.1 FW Upgrade	52
5.1.2 Password & MMI	53
5.1.3 Reboot & Reset	54
5.1.4 SSH	54
5.1.5 Remote Administrator	55
5.1.6 Device Management	56
5.2 Utility	56
5.2.1 SMS	57
5.2.2 Command Script	61

Chapter 1 Introduction

1.1 Introduction

Congratulations on your purchase of AMIT IDG470M2M 4G PoE Multi-Connect Modem. With this AMIT 4G PoE Multi-Connect Modem you have made a great first step in the world of connected Internet of things (IoT) by simply inserting a SIM card from the local mobile carrier into this device to get things connected. This section gives you all the information you need to set up your device.

Main Features:

- Provide 3G/4G WAN connection
- Provide four Fast Ethernet ports for the LAN connection (2 ports with 802.3at PSE function)
- Instinctive Web GUI is used for basic setting and check the cellular status.
- Designed easy-to-mount metal body for business and M2M environment to work with a variety of M2M (Machine-to-Machine) applications.





Before you install and use this product, please read this manual in detail for fully exploiting the functions of this product.

4G PoE Multi-Connect Modem


1.2 Contents List

1.2.1 Package Contents

#Standard Package

Items	Description	Contents	Quantity
1	IDG470-WT001 4G PoE Multi-Connect Modem		1pc
2	Cellular Antenna		2pcs
3	RJ45 Cable		1pc
4	2 Pin Terminal Block		1pc

#Optional Package

Items	Description	Contents	Quantity
1	Power Adapter (54V/1.67A)		1pc

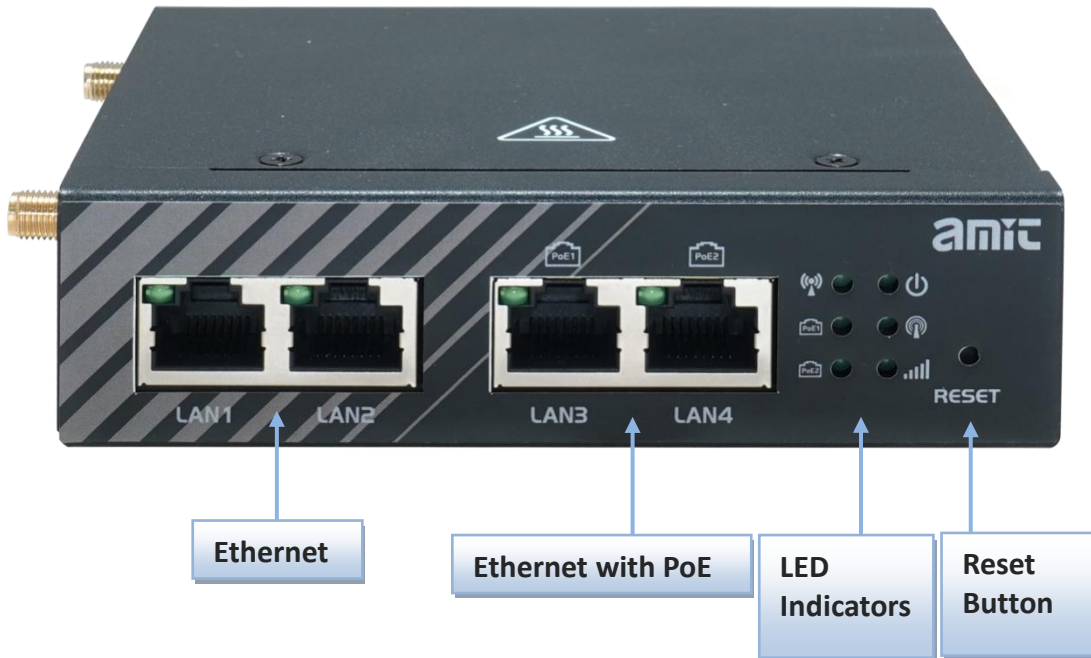
4G PoE Multi-Connect Modem

2	Wall-Mount Kit		1 set (Bracket x2, screw x4)
3	DIN-Rail Kit		1 set (DIN rail x1,screw x3)

4G PoE Multi-Connect Modem

1.3 Hardware Configuration

➤ FrontView



※Reset Button

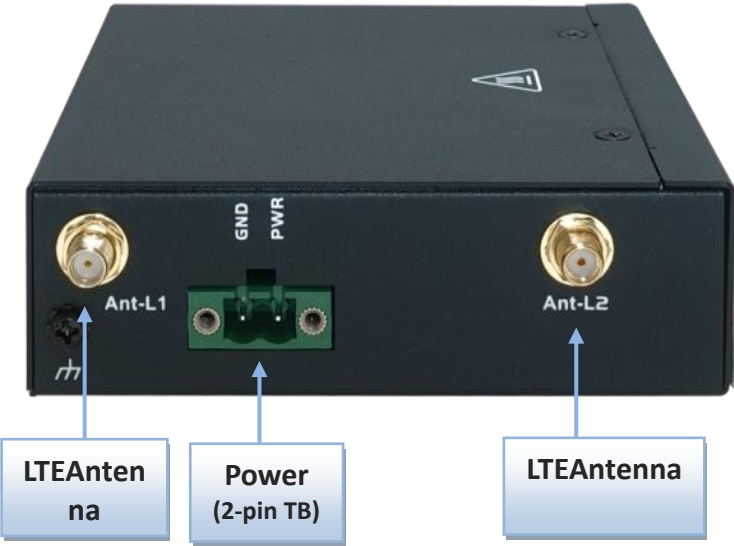
RESET button provides user a quick and easy way to resort the default setting. Press the RESET button continuously for more than 8 seconds when the 3G/LTE LED (blue and Flash) flashes alternately for 3~4 seconds, and then release it. The device will restore to factory default settings.

4G PoE Multi-Connect Modem

➤ RightView








➤ Left View



4G PoE Multi-Connect Modem

1.4 LED Indication



Indication	LEDColor	Description
 Power	Blue	Steady On: Device power is on Off: Device power is off
 Cellular	Blue	Blue and Steady On: Cellular is registering to network. Blue and Flash: Cellular is not registered to network.
 Signal Strength	Blue	Blue and Steady On: Cellular signal is good. Blue and Slow Flash: Cellular signal is weak. OFF: No cellular signal.
 WiFi Strength	N/A	N/A
 PoE	Blue	Steady On: Supply PoE Power to Ethernet Port. Off: No PoE Power to Ethernet Port.
Ethernet	Green	Green and Steady On: An Ethernet device is connected. Green and Flash: Data transmission through Ethernet.

1.5 Installation & Maintenance Notice

1.5.1 System Requirements

Network Requirements	<ul style="list-style-type: none"> An Ethernet RJ45 cable 4G cellular service subscription Ethernet adapter on PC
Web-based Configuration Utility Requirements	<p>Computer with the following:</p> <ul style="list-style-type: none"> Windows®, Macintosh, or Linux-based operating system An installed Ethernet adapter <p>Browser Requirements:</p>

4G PoE Multi-Connect Modem

- Microsoft Edge 119 or higher
- Chrome 73 or higher
- Firefox 60.0 or higher

1.5.2 Warning



Attention

- DC 54V/1.67A power adapters are recommended.
- Do not open or repair the case yourself. If the product is too hot, turn off the power immediately and have it repaired at a qualified service center.
- Place the product on a stable surface and avoid using this product and accessories outdoors.

4G PoE Multi-Connect Modem

Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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 of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FOR PORTABLE DEVICE USAGE (<20m from body/SAR needed)

Radiation Exposure Statement:

The product complies with the FCC portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

FOR MOBILE DEVICE USAGE (>20cm/low power)

Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

FOR COUNTRY CODE SELECTION USAGE (WLAN DEVICES)

Note: The country code selection is for non-US model only and is not available to all US model. Per FCC regulation, all WiFi product marketed in US must be fixed to US operation channels only.

4G PoE Multi-Connect Modem

1.5.3 Hot Surface Caution



CAUTION: The surface temperature for the metallic enclosure can be very high! Especially after operating for a long time, installed at a closed cabinet without air conditioning support, or in a high ambient temperature space.

DO NOT touch the hot surface while servicing!!

4G PoE Multi-Connect Modem

1.5.4 Product Information for CE RED Requirements

The following product information is required to be presented in product User Manual for latest CE RED requirements.¹

(1) Frequency Band & Maximum Power

1.a Frequency Band for Cellular Connection (for EC25-EU version)

Band number	Operating Frequency	Max output power
LTE FDD BAND 1	Uplink:1920-1980 MHz Downlink:2110-2170 MHz	23.1dBm
LTE FDD BAND 3	Uplink:1710-1785 MHz Downlink:1805-1880 MHz	23.0dBm
LTE FDD BAND 7	Uplink:2500-2570 MHz Downlink:2620-2690 MHz	22.8dBm
LTE FDD BAND 8	Uplink:880-915 MHz Downlink:925-960 MHz	23.2dBm
LTE FDD BAND 20	Uplink:832-862 MHz Downlink:791-821 MHz	23.5dBm
LTE FDD BAND 28A	Uplink: 704 -723 MHz Downlink: 759 -778MHz	23dBm
LTE FDD BAND 38	Uplink: 2570-2620 MHz Downlink: 2570-2620 MHz	21.7dBm
LTE FDD BAND 40	Uplink: 2300-2400 MHz Downlink: 2300-2400 MHz	21.5dBm
WCDMA BAND 1	Uplink:1920-1980 MHz Downlink:2110-2170 MHz	23.3dBm
WCDMA BAND 8	Uplink:880-915 MHz Downlink:925-960 MHz	
E-GSM	Uplink:880-915 MHz Downlink:925-960 MHz	32.9 dBm
DCS	Uplink:1710-1785 MHz Downlink:1805-1880 MHz	29.9 dBm

(2) DoC Information

You can get the DoC information of this product from the following

URL:<http://www.amitwireless.com/products-doc/>

(3) RF Exposure Statements

To comply with RF exposure limits established in FCC, the distance between the antenna or antennas and the user should not be less than 20 cm (7.87”).

¹ The information presented in this section is ONLY valid for the EU/EFTA regional version. For those non-CE/EFTA versions, please refer to the corresponding product specification.

4G PoE Multi-Connect Modem

(4) Unit Mounting Notice

The product is suitable for mounting at heights $\leq 2\text{m}$ (approx. 6 ft), or in a cabinet.

Ensure the unit is fixed tightly to reduce the likelihood of injury due to exposure to mechanical hazards if dropped.

(5) Manufacture Information

Manufacture Name: AMIT Wireless Inc.

Manufacture Address: No. 28, Lane 31, Sec. 1, Huandong Rd., Sinshih Dist., Tainan 74146, Taiwan

4G PoE Multi-Connect Modem

1.6 Hardware Installation

This chapter describes how to install and configure the hardware

1.6.1 Mount the Unit

The IDG470 series can be placed on a desktop, or use extender to place on DIN-Rail bracket or mount on the wall.

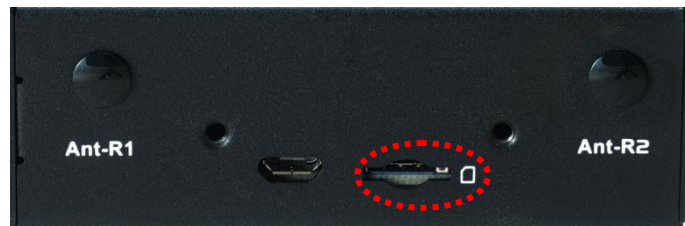
1.6.2 Insert the SIM Card

WARNING: BEFORE INSERTING OR CHANGING THE SIM CARD, PLEASE MAKE SURE THAT POWER OF THE DEVICE IS SWITCHED OFF.

SIM card slot is located in the right side of IDG470 series. You need to unscrew and remove the outer SIM card cover before installing or removing an inserted SIM card. Please follow below instructions to install or remove SIM card. After SIM card is well installed or removed, screw back the outer SIM card cover.

Step 1:

Loosen the screws as below and remove the SIM cover.



Step 2:

Push the SIM card into the SIM slot.



Step 3:

Push the inserted SIM card again to reject it from the SIM slot.



4G PoE Multi-Connect Modem

1.6.3 Connecting to the Network or a Host

The IDG470 series provides four RJ45 ports to connect to 10/100Mbps Ethernet. It can auto detect the transmission speed on the network and configure itself automatically. Connect the Ethernet cable to the RJ45 port (LAN) of the device and plug another end of the Ethernet cable into your computer's network port to connect this device to the host PC for device configuration.

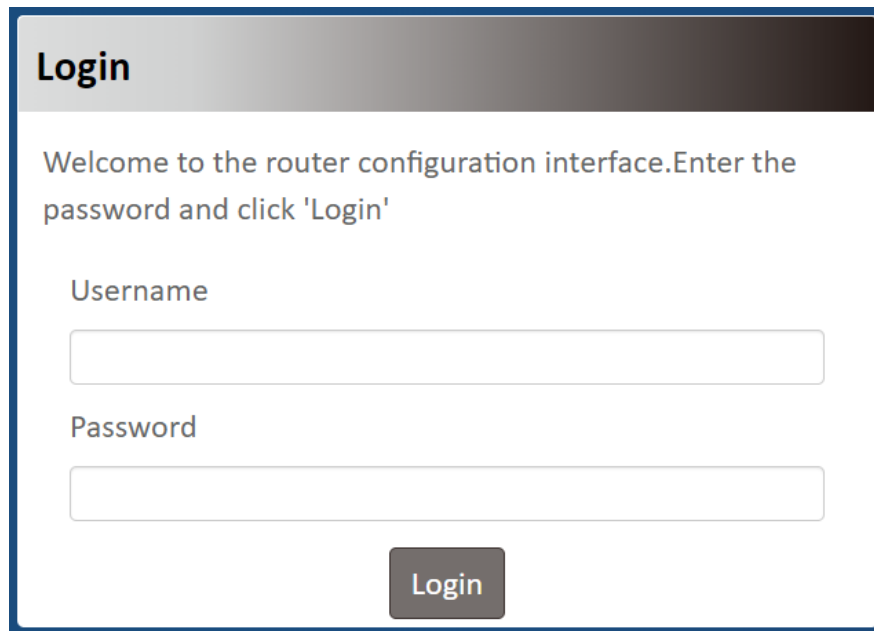
1.6.4 Setup by Configuring WEB UI

You can browse web UI to configure the device.

Type in the IP Address (<http://192.168.123.254>)²



When you see the login page, enter the user name and password and then click '**Login**' button.

A screenshot of a web-based login page for a router configuration interface. The page has a dark header with the word "Login" in white. Below the header, there is a message: "Welcome to the router configuration interface. Enter the password and click 'Login'". There are two input fields: "Username" and "Password". Below the "Password" field is a "Login" button.

The default setting for both username and password is '**admin**'³.

² The default LAN IP address of this gateway is 192.168.123.254. If you change it, you need to login by using the new IP address.

³ For security concern, the login process will force user to change default password at the first time.

Chapter 2 Status

2.1 Cellular

The screenshot shows the 'Status' page of the modem. The left sidebar contains a navigation menu with 'Cellular' selected. The main content area is titled 'IPv4 Network' and displays the following configuration:

Item	Value
Mode	NAT
Link Status	Disconnected
IP Address	0.0.0.0
Netmask	0.0.0.0
Gateway	0.0.0.0

2.1.1 Network

The screenshot shows the 'Network' tab selected in the status page. The main content area is titled 'IPv4 Network' and displays the following configuration:

Item	Value
Mode	NAT
Link Status	Connected 0 day 0:26:18
IP Address	100.120.108.6
Netmask	255.255.255.252
Gateway	100.120.108.5

Network Page	
Item	Description
Mode	Network type NAT
Link Status	Display cellular network statusconnected or disconnected and Connetion Time.
Ip address	Base station distribution network ip
Netmask	Display cellular network netmask
Gateway	Display cellular network gateway

4G PoE Multi-Connect Modem

2.1.2 Modem

Network Modem Signal

Modem Information

IMEI	860728062718585
Advanced Information	Advanced

Service Information

SIM	SIM-A
SIM Status	Ready
Register Status	Registered
Operator	Chunghwa Telecom
Service Type	LTE
Band	Band 3
Advanced Information	Advanced

Modem information Page

Item	Description
IMEI	Display modem IMEI information
Advanced Information	Click "advanced" button to show Advanced Information

Advanced information

IMEI	864303054321859
Temperature	50 °C
Band Capability	B1,B3,B7,B8,B20,B28,B38,B40,B41

Close

Advanced Information Page

Item	Description
IMEI	Display modem IMEI information

4G PoE Multi-Connect Modem

Temperature	Module temperature
4G Band capability	4G support band

Service Information	
SIM	SIM-A
SIM Status	Ready
Register Status	Registered
Operator	Chunghwa Telecom
Service Type	LTE
Band	Band 3
Advanced Information	<input type="button" value="Advanced"/>

Service information Page	
Item	Description
Sim	Display card slot
Sim status	Displayread sim status
Register status	Display base station registration statusregistered or not register
Operator	Operator name
Service type	Displaycorresponding types of network signals
Band	Connected frequency band
Advanced Information	Click“advanced”button to show Advanced Information

4G PoE Multi-Connect Modem

Advanced information	
MCC	466
MNC	92
Roaming	No
Cell ID	965E40E
Band	Band 7
LAC	0
TAC	36400

[Close](#)

Advanced Information Page	
Item	Description
MCC	Display modem IMEI information
MNC	Module temperature
Roaming	Roaming status no or roaming
Cell ID	Cell ID
Band	Connected frequency band
LAC	Location Area Code
TAC	Tracking Area Number

4G PoE Multi-Connect Modem

2.1.3 Signal

Network Modem **Signal**

Cellular Signal

Service Type	LTE
Operator	Chunghwa Telecom
RSSI	-59
Advanced Information	<input type="button" value="Advanced"/>

CellularSignal Page

Item	Description
Service type	Display corresponding types of network signals.
Operator	Operator name
RSSI	Display Received Signal
Advanced Information	Click "advanced" button to show Advanced Information

Advanced information

RSSI	-59
RSRP	-90
RSRQ	-12
SINR	1.70
RSCP	0
ECIO	0

Advanced Information Page

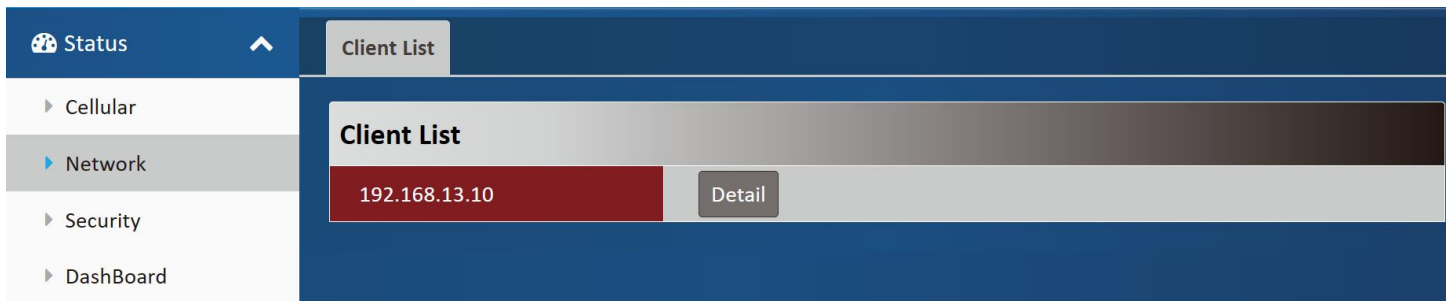
Item	Description
RSSI	Display Received Signal
RSRP	Display Signal ReceivedPower
RSRQ	Display Signal ReceivedQuality
SINR	DisplayInterference Strength
RSCP	DisplaySignalReceivedPower

4G PoE Multi-Connect Modem

ECIO DisplayinterferenceRatio

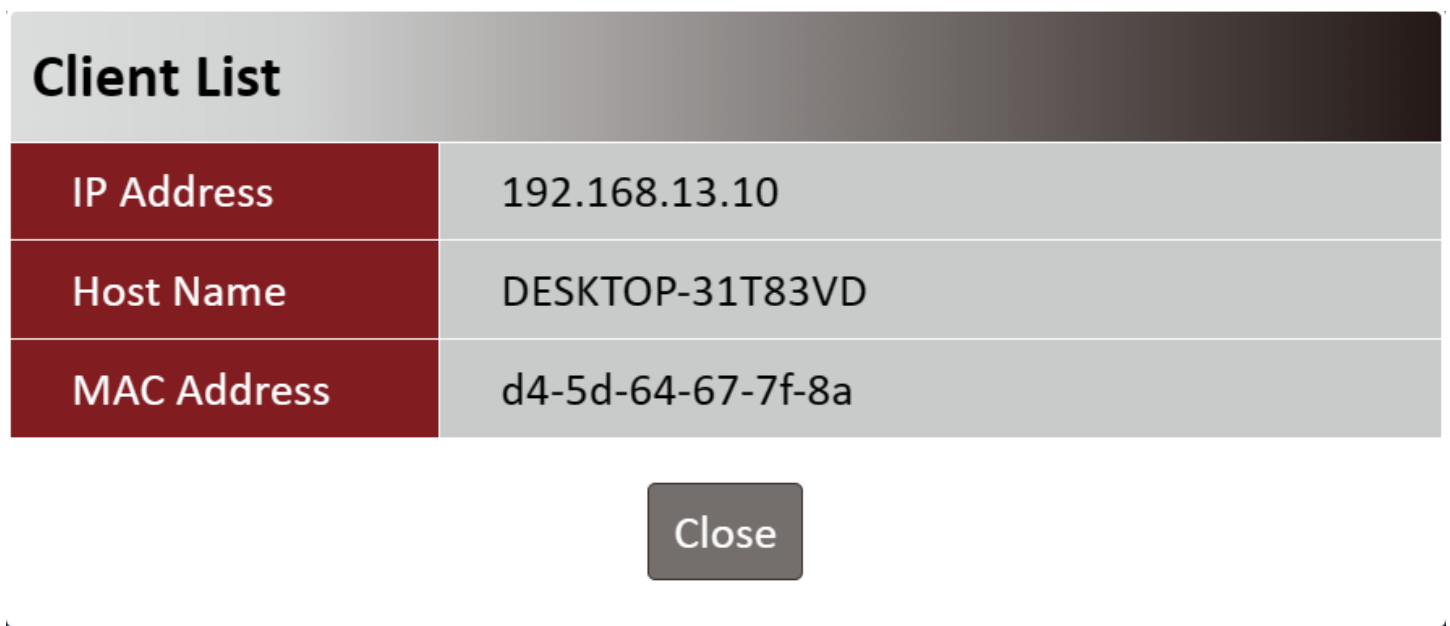
2.2 Network

2.2.1 Client List



Go to **Status >Network > Client List** tab.

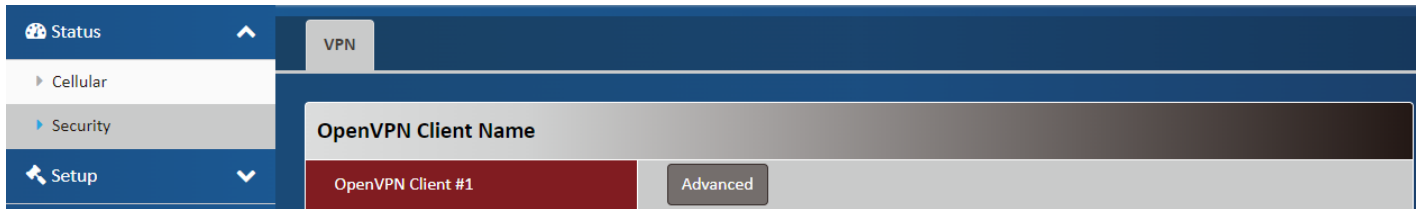
The **Client List** shows you the IP address, Host Name, MAC Address of each device that is connected to this gateway.



LAN Client List		
Item	Value setting	Description
IP Address	N/A	Client record of IP Address Type and the IP Address. Type is String Format and the IP Address is IPv4 Format.
Host Name	N/A	Client record of Host Name. String Format.
MAC Address	N/A	Client record of MAC Address. MAC Address Format.

4G PoE Multi-Connect Modem

2.3 Security



2.3.1 VPN



Openvpn client name Page	
Item	Description
Openvpn client #1	Click "advanced" button to show Advanced Information

Advanced Information	
OpenVPN Client Name	OpenVPN Client #1
Remote IP/FQDN	122.146.196.220
Remote Subnet	192.168.218.0 / 24
Virtual IP	0.0.0.0
Conn.Time	00:00:00:00
Conn.Status	Disconnected

Close

Advanced Information Page	
Item	Description
Openvpn client name	VpnClient name
Remote ip/FQDN	Vpn server ip or FQDN
Remote subnet	Vpn server remote subnet
Virtual ip	Vpn virtual ip
Conn.time	Displayconnected time
Conn.status	Displayconnected or disconnected

4G PoE Multi-Connect Modem

2.4 DashBoard

PD Status	
Power over Ethernet Status	
PoE Port1	ON

2.4.1 PD Status

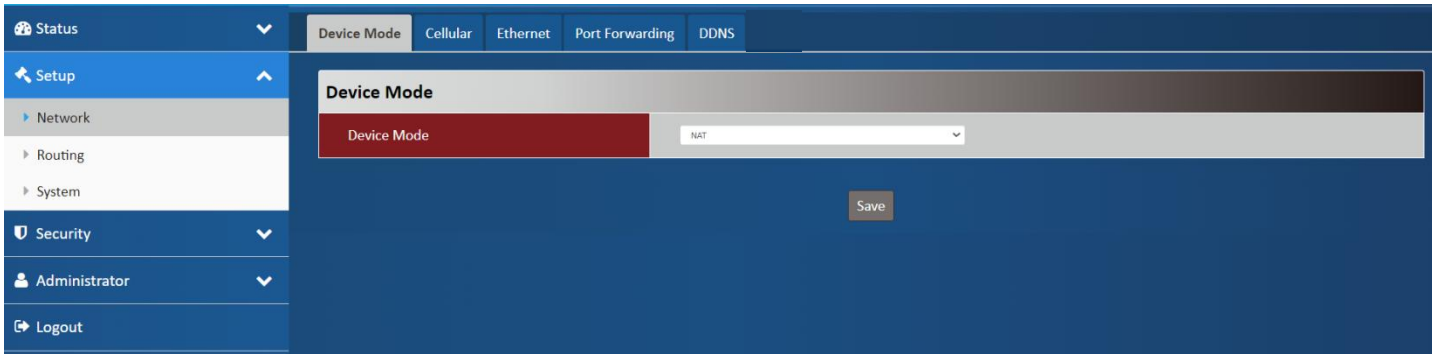
PoE Status	
PoE Port1	
Power Output	ON
PD Classification	PD Classification 0 (Default)
Voltage (V)	46.8
Current (mA)	92
Consumption (Watts)	4.31

4G PoE Multi-Connect Modem

Chapter 3 Setup

The IDG470 series connect to a machine via the Ethernet interface for 3G/4G network connection. IDG470 series also provides another function with NAT router. It can help the network application more flexible.

3.1 Network



Network	
Item	Description
Device Mode	Set the unit operating mode
Cellular	Set the parameter for cellular network.
Ethernet	Set the IP of Ethernet and DHCP service
Port Forwarding	Enable specified port or protocol for service on connected device.
DDNS	Register a dynamic host name for the unit.

4G PoE Multi-Connect Modem

3.1.1 Cellular

The screenshot shows the 'Cellular Access' configuration page. The left sidebar contains navigation options: Status, Setup (Network, Routing, System), Security, Administrator, and Logout. The main content area is titled 'Cellular Access' and includes the following settings:

- Network Type:** Auto
- APN:** Manual
- Manual APN:** [Text input field]
- Username:** [Text input field]
- Password:** [Text input field]
- Authentication:** Auto
- IP Type:** IPv4
- IP Mode:** Dynamic IP (with a 'Static IP Config' button)
- PIN Code:** [Text input field]
- Roaming:** Enable
- MTU Setup:** Enable [Text input field] (68~1500)
- Keep Alive:** Enable
IP Address: 8.8.8.8 Interval: 60 (2~14400 seconds)
- Discard Ping from WAN:** Enable

A 'Save' button is located at the bottom right of the configuration area.

Cellular Access Item	Value setting	Description
Network Type	1. A must-fill setting 2. By default Auto is selected	3G/LTE
APN	1. A must-fill setting 2. By default Auto is selected	Auto The unit will detect the SIM and set an APN from internal database. Manual User must set APN manually.
Manual APN	1. A must-fill setting 2. String format : any text	Enter the APN you want to use to establish the connection. This is a must-fillsetting if you selected Manual APN as APN scheme.
Username	1. Anoptional setting 2. String format : any text	Enter the optional Username settings if your ISP provided such settings to you.
Password	1. Anoptional setting 2. String format : any text	Enter the optional Password settings if your ISP provided such settings to you.
Authentication	1. A Must-fill setting 2. By default Auto is	Select PAP (Password Authentication Protocol) and use such protocol to be authenticated with the carrier's server.

4G PoE Multi-Connect Modem

	selected	Select CHAP (Challenge Handshake Authentication Protocol) and use such protocol to be authenticated with the carrier's server. When Auto is selected, it means it will authenticate with the server either PAP or CHAP .
IP Type	1. A must-fill setting 2. By default IPv4 is selected	Specify the IP type of the network service provided by your 3G/4G network. It can be IPv4 , IPv6 , or IPv4v6 .
IP Mode	1. A must-fill setting 2. By default Dynamic IP is selected	Dynamic IP The unit will get IP from cellular service.. Static IP The unit will set IP according to Static IP Config .
PIN Code	1. An optional setting 2. String format : interger	If the PIN (Personal Identification Number) code is required to unlock your SIM card, enter the PIN code you set.
Roaming	1. An optional setting 2. Uncheck by default	Check the checkbox to enable the modem to connect on the cellular network at roaming state.
MTU Setup	1. An optional setting 2. Uncheck by default	Check the Enable box to enable the MTU (Maximum Transmission Unit) limit, and specify the MTU for the 3G/4G connection. MTU refers to Maximum Transmission Unit. It specifies the largest packet size permitted for Internet transmission. Value Range: 68 ~ 1500.
Keep Alive	1. An optional setting 2. Box is unchecked by default	Check the Enable box to activate the keep-alive function. Input IP Address and interval to send an ICMP packet to check the network status.
Discard Ping from WAN	1. An optional setting 2. Uncheck by default	The modem will not respond the ICMP request packet from remote hosts when the checkbox is checked.

Static IP Configuration

IP	<input style="width: 100%;" type="text" value="0.0.0.0"/>
Subnet Mask	<input style="width: 100%;" type="text" value="255.255.255.0 (/24)"/> ▼
Default Gateway	<input style="width: 100%;" type="text" value="0.0.0.0"/> (Optional)
Primary DNS	<input style="width: 100%;" type="text" value="0.0.0.0"/> (Optional)
Secondary DNS	<input style="width: 100%;" type="text" value="0.0.0.0"/> (Optional)

4G PoE Multi-Connect Modem

Item	Value setting	Description
IP	1. IPv4 format. 2. A Must-fill setting	The Static IP Address setting of this unit.
Subnet Mask	255.255.255.0 (/24) is set by default	TheSubnetMask of this configured static IP.
Default Gateway	1. IPv4 format. 2. An optional setting	Thegateway settingofthisconfigured static IP.
Primary DNS	1. IPv4 format. 2. An optional setting	Assigned DNS server of this configured static IP.
Secondary DNS	1. IPv4 format. 2. An optional setting	Assigned DNS server of this configured static IP.

3.1.2 Ethernet

The screenshot shows the 'Ethernet' configuration page. It features a navigation bar with tabs: 'Device Mode', 'Cellular', 'Ethernet' (active), 'Port Forwarding', and 'DDNS'. Below the tabs, the 'Ethernet IP' section is highlighted. It contains four rows of settings:

- IP:** A text input field containing '192.168.123.254'.
- Netmask:** A dropdown menu showing '255.255.255.0 (/24)'.
- DHCP Server:** A checkbox labeled 'Enable' which is checked.
- DHCP Setting:** A button labeled 'DHCP Config'.

A 'Save' button is located at the bottom center of the configuration area.

Ethernet IP		
Item	Value setting	Description
IP	1. IPv4 format. 2. A Must-fill setting	The LAN IP Address of this unit.
Netmask	255.255.255.0 (/24) is set by default	The Subnet Mask of this unit.
DHCP Server	The box is unchecked by default.	Click Enable box to activate DHCP Server.
DHCP Setting	N/A	Click DHCP Config button to pop-up the DHCP Setting page.

4G PoE Multi-Connect Modem

DHCP Setting

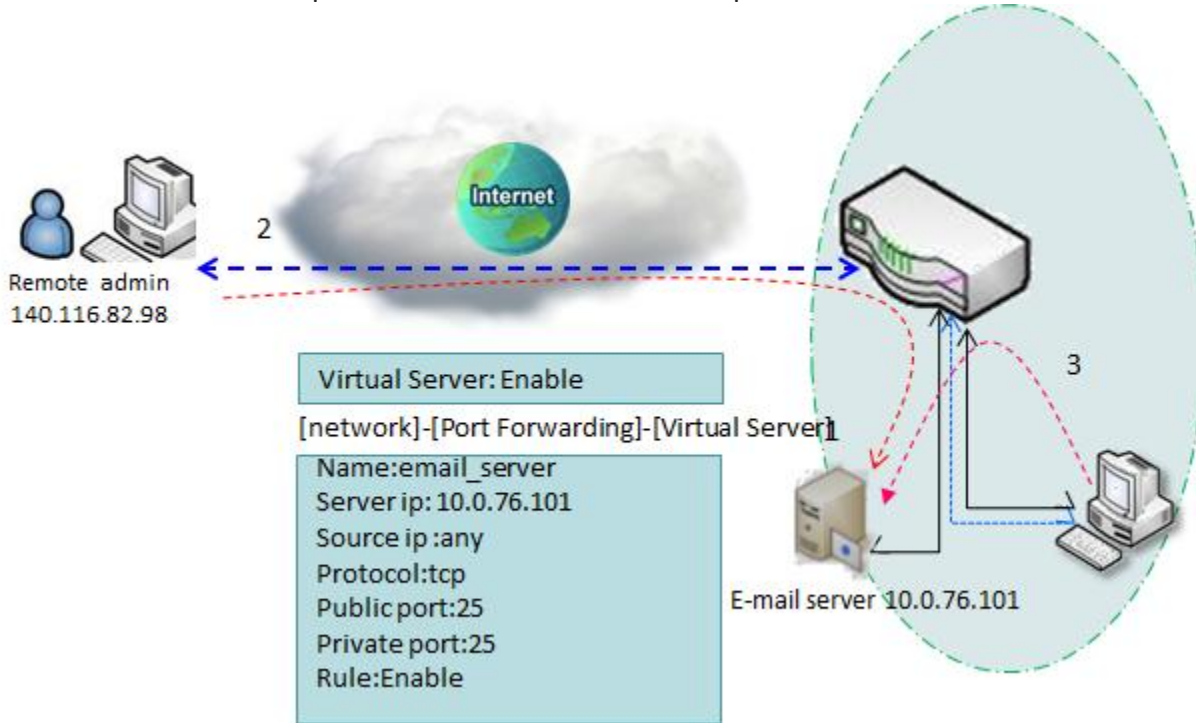
IP Pool Start	<input type="text" value="5"/>
IP Pool End	<input type="text" value="10"/>
Lease Time	<input type="text" value="3600"/>

DHCP Setting Item	Value setting	Description
IP Pool Start	1. numericstring format. 2. A must-fill setting	The IP Pool of this DHCP Server. It is Starting Address entered in this field.
IP Pool End	1. numeric string format. 2. A must-fill setting	The IP Pool of this DHCP Server. It is Ending Address entered in this field.
Lease Time	1. numeric string format. 2. A must-fill setting	The Lease Time of this DHCP Server. <i>ValueRange: 300 ~ 604800 seconds.</i>

4G PoE Multi-Connect Modem

3.1.3 Port Forwarding

"Virtual Server" allows you to access servers with the global IP address of the gateway as if they are servers existed in the Internet. The gateway serves the service requests by port forwarding the requests to the LAN servers and transfers the replies from LAN servers to the requester on the WAN side.



Device Mode
Cellular
Ethernet
Port Forwarding
DDNS
PoE

Virtual Server

Virtual Server

Enable

Add

Save

Virtual Server Item	Value setting	Description
Virtual Server	The box is unchecked by default	Check the Enable box to activate this port forwarding function Click Add will pop-up Virtual Server Rule Configuration page.

4G PoE Multi-Connect Modem

Virtual Server Rule Configuration

Name	<input style="width: 100%;" type="text"/>
Server IP	<input style="width: 100%;" type="text"/>
Source IP	Any ▼
Protocol	TCP(6) ▼
Public Port	Single Port ▼ <input style="width: 50px;" type="text"/>
Private Port	Single Port ▼ <input style="width: 50px;" type="text"/>
Rule	<input type="checkbox"/> Enable

Virtual Server Rule Configuration		
Item	Value setting	Description
Name	1. String format can be any text 2. A must-fill setting	The name of current rule
Server IP	A must-fill setting	This field is to specify the IP address of the interface selected in the WAN Interface setting above.
Source IP	1. A must-fill setting 2. By default Any is selected	This field is to specify the Source IP address . Select Any to allow the access coming from any IP addresses. Select Specific IP Address to allow the access coming from an IP address. Select IP Range to allow the access coming from a specified range of IP address.
Protocol	A must-fill setting	<p>When "TCP(6)" is selected It means the option "Protocol" of packet filter rule is TCP. Public Port selected a predefined port from Well-known Service, and Private Port is the same with Public Port number. Public Port is selected Single Port and specify a port number, and Private Port can be set a Single Port number. Public Port is selected Port Range and specify a port range, and Private Port can be selected Single Port or Port Range. <i>Value Range:</i>1 ~ 65535 for Public Port, Private Port.</p> <p>When "UDP(17)" is selected It means the option "Protocol" of packet filter rule is UDP. Public Port selected a predefined port from Well-known Service, and Private Port is the same with Public Port number. Public Port is selected Single Port and specify a port number, and Private Port can be set a Single Port number.</p>

4G PoE Multi-Connect Modem

	<p>Public Port is selected Port Range and specify a port range, and Private Port can be selected Single Port or Port Range. <u>Value Range</u>:1 ~ 65535 for Public Port, Private Port.</p> <p>When “TCP(6)& UDP(17)” is selected It means the option “Protocol” of packet filter rule is TCP and UDP. Public Port selected a predefined port from Well-known Service, and Private Port is the same with Public Port number. Public Port is selected Single Port and specify a port number, and Private Port can be set a Single Port number. Public Port is selected Port Range and specify a port range, and Private Port can be selected Single Port or Port Range. <u>Value Range</u>:1 ~ 65535 for Public Port, Private Port.</p> <p>When “User-defined” is selected It means the option “Protocol” of packet filter rule is User-defined. For Protocol Number, enter a port number.</p>
<p>Rule</p> <p>1. An optional filled setting 2. The box is unchecked by default.</p>	<p>Check the Enable box to activate the rule.</p>

Rule Name

test

Rule Name	Value setting	Description
Item		
Rule name	N/A	Click “Edit” button to pop-up Virtual Server Rule Configuration page to edit the rule. Click “Delete” button to delete this rule

4G PoE Multi-Connect Modem

3.1.4 DDNS

Device Mode	Cellular	Ethernet	Port Forwarding	DDNS
Configuration				
DDNS	<input type="checkbox"/> Enable			
Provider	DynDNS.org			
Host Name	<input type="text"/>			
User Name / E-Mail	<input type="text"/>			
Password / Key	<input type="text"/>			

DDNS Item	Value setting	Description
DDNS	The box is unchecked by default	Check the Enable box to activate this function.
Provider	DynDNS.org is set by default	Select your DDNS provider of Dynamic DNS. It can be DynDNS.org, NO-IP.com etc...
Host Name	1. String format can be any text 2. A Must-fill setting	Your registered host name of DDNS Service. <i>Value Range:0 ~ 63 characters.</i>
User Name / E-Mail	1. String format can be any text 2. A Must-fill setting	Enter your User name or E-mail addresss ofDDNS Service.
Password / Key	1. String format can be any text 2. A Must-fill setting	Enter your Password or Key ofDDNS Service.

4G PoE Multi-Connect Modem

3.1.5 PoE

Device Mode Cellular Ethernet Port Forwarding DDNS PoE

PoE Port Definition

PoE Port1 Edit

PoE Port1

PD Ping Check	<input type="checkbox"/> Enable
Time Schedule	(0) Always v
Enable	<input checked="" type="checkbox"/>

Save Close

PoE Port1

PD Ping Check	<input checked="" type="checkbox"/> Enable IP: 0.0.0.0 Timeout: 0 Sec (10~300)
PD No-response Action	No Action v
Time Schedule	(0) Always v
Enable	<input checked="" type="checkbox"/>

Save Close

4G PoE Multi-Connect Modem

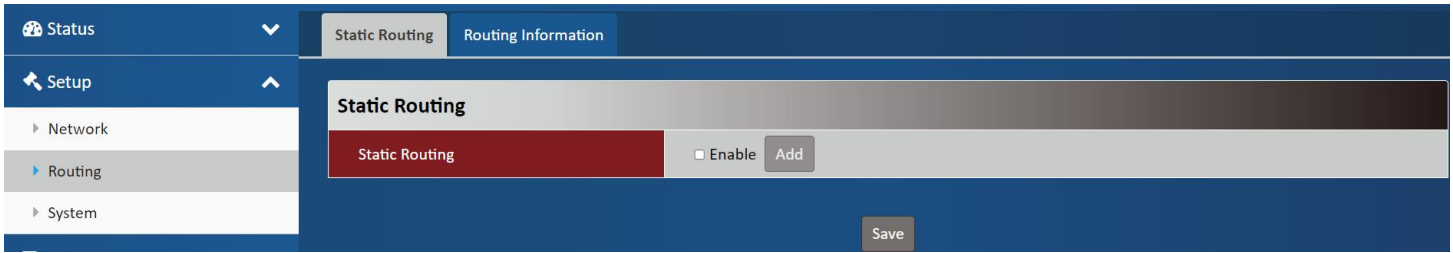
PoE Port1

PD Ping Check	<input checked="" type="checkbox"/> Enable IP: <input type="text" value="0.0.0.0"/> Timeout: <input type="text" value="0"/> Sec (10~300)
PD No-response Action	<div style="border: 1px solid #ccc; padding: 2px;"> No Action ▾ Power Off/On No Action (0) Always ▾ </div>
Time Schedule	
Enable	<input checked="" type="checkbox"/>

PoE Port Definition		
Item	Value setting	Description
Port-1	The box is unchecked by default	Check the Enable box to activate PoE function.
PD Ping Check	The box is unchecked (Disable) by default	Check the Enable box to activate PD Ping Check function. In addition to enable the function, you have to specify a timeout value for timeout check. Value Range: 10 ~ 300 seconds.
PD No-response Action	No Action by default	Specify the the action to take when the PD doesn't reply the Ping check activity. (PD No-response).It could be No Action or Power off/on . Select Power off/on to restart the PD device, if required.
Time schedule	(0)Always is set by default	if you have set other schedule rules, there will be other options to select.
Enable	The box is unchecked by default	Check the Enable box to activate PoE function.

4G PoE Multi-Connect Modem

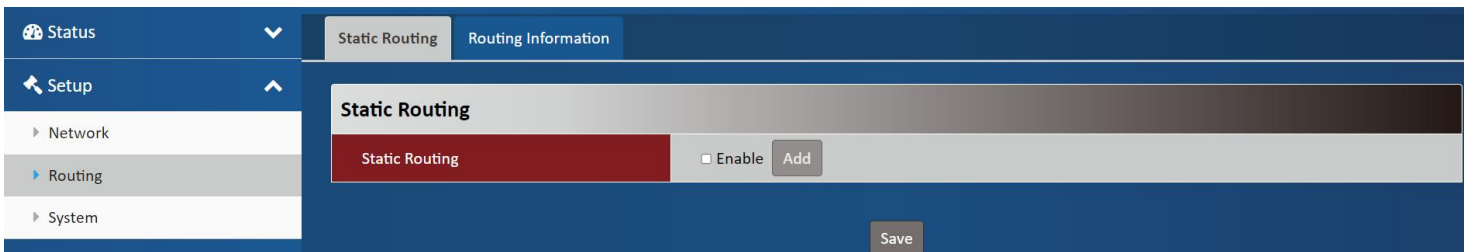
3.2 Routing



Routing Item	Value setting	Description
Static Routing	The box is unchecked by default	Check the Enable box to activate this function.
Routing Information	N/A	The routing information allows user to view the routing table and policy routing information.

3.2.1 Static Routing

"Static Routing" function lets you define the routing paths for some dedicated hosts/servers or subnets to store in the routing table of the gateway. The gateway routes packets to different peer gateways based on the routing table. You need to define the static routing information in gateway routing rule list.



Static Routing Item	Value setting	Description
Static Routing	The box is unchecked by default	Check the Enable box to activate this function. Click Add will pop-up Static Routing Rule Configuration page.

4G PoE Multi-Connect Modem

Static Routing Rule Configuration

Name	<input type="text"/>
Destination IP	<input type="text"/>
Subnet Mask	<input type="text"/>
Gateway IP	<input type="text"/>
Interface	LAN ▼
Metric	<input type="text"/>
Rule	<input type="checkbox"/> Enable

Static Routing Rule Configuration		
Item	Value setting	Description
Name	The box is unchecked by default	Check the Enable box to activate this function. Click Add will pop-up Static Routing Rule Configuration page.
Destination IP	1. IPv4 Format 2. A Must filled setting	Specify the Destination IP of this static routing rule.
Subnet Mask	1.255.255.255.0 (/24) is set by default	Specify the Subnet Mask of this static routing rule.
Gateway IP	1. IPv4 Format 2. A Must filled setting	Specify the Gateway IP of this static routing rule.
Interface	Lan is set by default	Select the Interface of this static routing rule. use the available WAN / LAN interfaces.
Metric	1. Numeric String Format 2. A Must filled setting	The Metric of this static routing rule. <i>Value Range: 0 ~ 255.</i>
Rule	The box is unchecked by default.	Click the Enable to activate static routing functions.

3.2.2 Routing Information

Static Routing
Routing Information

Routing Information

192.168.123.0

Detail

4G PoE Multi-Connect Modem

Routing Information		
Item	Value setting	Description
192.168.123.0	192.168.123.0 by default	Show default routing and static routing rule list

Routing Information

Destination IP	192.168.123.0
Subnet Mask	255.255.255.0
Gateway IP	0.0.0.0
Interface	LAN
Metric	0

[Close](#)

3.3 System

This section provides the configuration of system features.

- Status
- Setup
 - Network
 - Routing
 - System
- Security
- Administrator
- Logout

System Time | Language | System Information | Scheduling

System Time

Current Time	Thu Dec 7 07:28:19 2023
Sync Time	Auto
Time Zone	(GMT+00:00) Greenwich Mean Time: Dublin, Edinburgh, Lisbon, London
NTP Server	pool.ntp.org
Daylight Saving	<input type="checkbox"/> Enable
Start Date	1 / 1 / 0 (Month/Day/Hour)
End Date	1 / 1 / 0 (Month/Day/Hour)
Action	Action

[Save](#)

4G PoE Multi-Connect Modem

3.3.1 System Time

System Time	Language	System Information	Scheduling
System Time			
Current Time	Thu Dec 7 07:29:10 2023		
Sync Time	Auto		
Time Zone	(GMT+00:00) Greenwich Mean Time: Dublin, Edinburgh, Lisbon, London		
NTP Server	pool.ntp.org		
Daylight Saving	<input type="checkbox"/> Enable		
Start Date	1 / 1 / 0 (Month/Day/Hour)		
End Date	1 / 1 / 0 (Month/Day/Hour)		
Action	Action		
Save			

System time Item	Value setting	Description
Current Time	N/A	Show the current time of the unit.
Sync Time	1. A must-fillitem. 2. Auto is selected by default.	When select Auto , unit will sync the time via cellular cell, then try to use NTP if cellular cell doesn't provide time information. When select NTP , the unit will sync time via ntp service.
Time Zone	1. A must-fillitem. 2. GMT+00 :00 is selected by default.	Select a time zone that this device locates in
NTP Server	1. A must-fillitem.	Indicate which NTP server will be used of the time synchronization.
Daylight Saving	1. It is an optional item. 2. Un-checked by default	Check the Enable button to activate the daylight saving function. When user enabled this function, user has to specify the Start Date and End Date for the daylight saving time duration.
Start Date	1. It is an optional item.	Start time for Daylight Saving.
End Date	1. It is an optional item.	End Time of Daylight Saving.
Action	N/A	Click Action to sync time immediately

4G PoE Multi-Connect Modem

3.3.2 Language

System Time | Language | System Information | Scheduling

Configuration

Language List: English

Save

Configuration Item	Value setting	Description
Language List	1. A must-fillitem. 2. English is selected by default.	Language setiing of the WebGUI.

3.3.3 System Information

System Time | Language | System Information | Scheduling

System Information

Model Name: IDG400-WT001 A1

System Information Item	Value setting	Description
Model Name	N/A	Show the model name of the device

3.3.4 Scheduling

System Time | Language | System Information | Scheduling

Time Schedule

Time Schedule: Add

Time Schedule Item	Value setting	Description
Time Schedule	N/A	Press Add to create a schedule rule for system.

4G PoE Multi-Connect Modem

Time Schedule Configuration

Rule Name	<input type="text"/>
Rule Policy	<input type="text" value="Inactivate"/> The Selected Days and Hours Below.

Time Period Definition

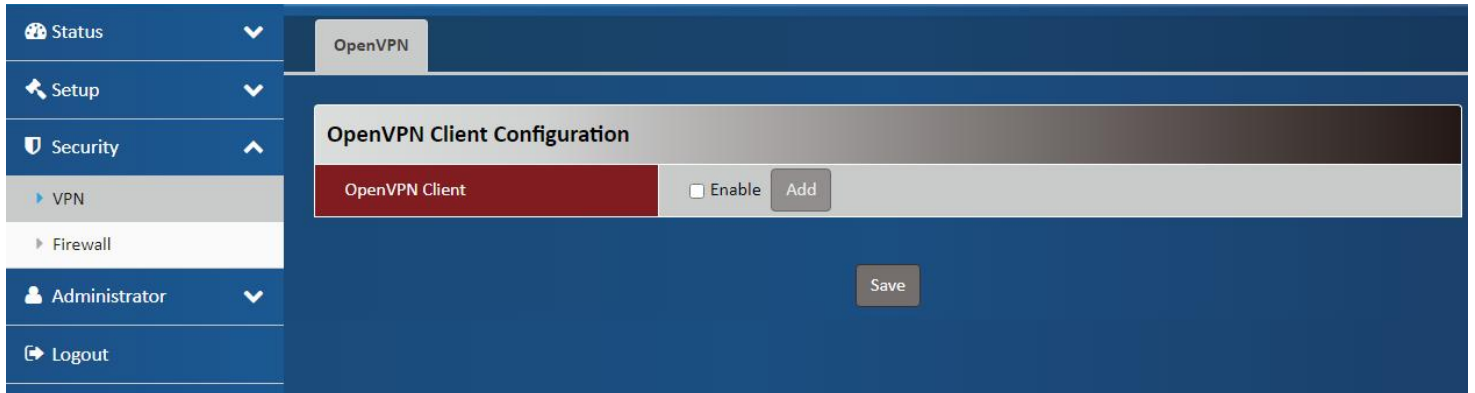
Week Day	<input type="text" value="Every Day"/>
Start Time (hh:mm)	<input type="text"/>
End Time (hh:mm)	<input type="text"/>

Time Schedule Configuration		
Item	Value Setting	Description
Rule Name	String: any text	Set rule name
Rule Policy	Default Inactivate	Inactivate/activate the function been applied to in the time period below

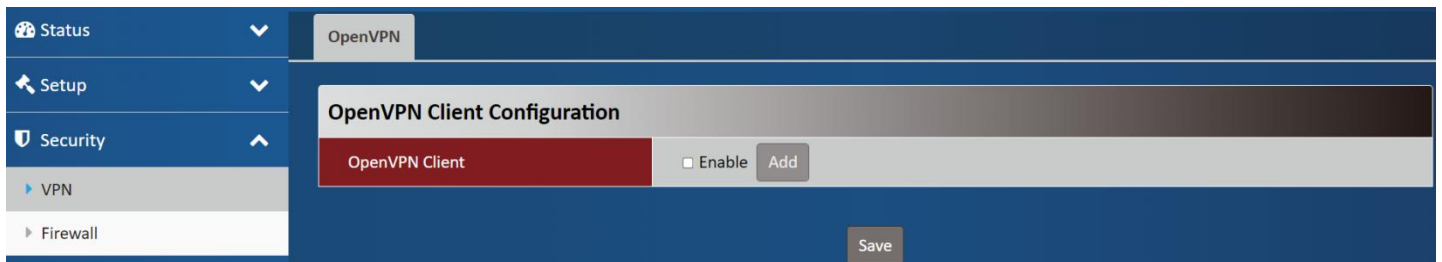
Time Period Definition		
Item	Value Setting	Description
Week Day	Select from menu	Select everyday or one of weekday
Start Time	Time format (hh :mm)	Start time in selected weekday
End Time	Time format (hh :mm)	End time in selected weekday

Chapter 4 Security

4G PoE Multi-Connect Modem

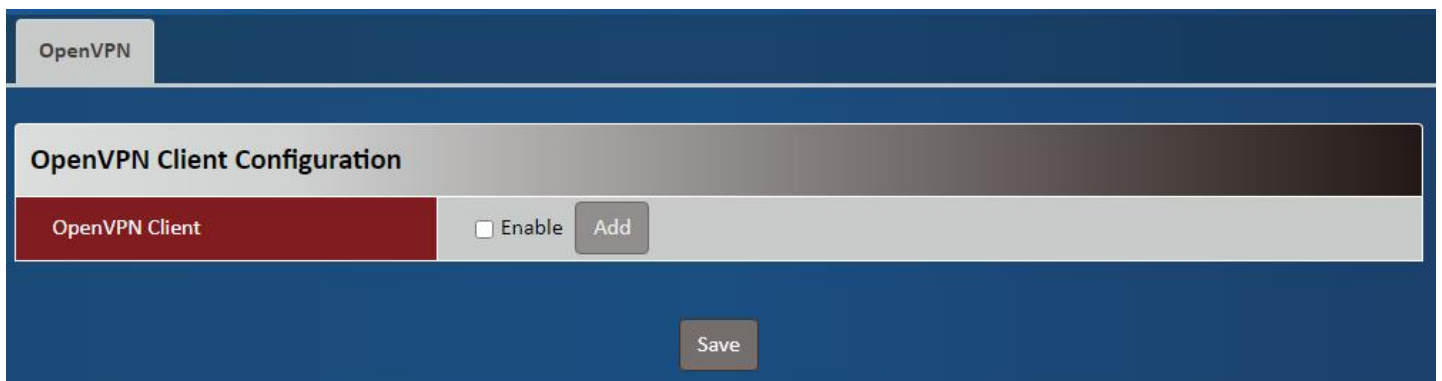


4.1 VPN



VPN Page Item	Value setting	Description
OpenVPN	N/A	The OpenVPN setting allows user to create and configure OpenVPN tunnels.

4.1.1 OpenVPN



OpenVPN client name Page Item	Value setting	Description
OpenVPN client	The box is unchecked by default	Check the Enable box to activate this port forwarding function Click Add , OpenVPN Client Rule Configuration page will pop-up.

4G PoE Multi-Connect Modem

OpenVPN Client Rule Configuration

Name	<input type="text" value="OpenVPN Client #1"/>	
Protocol	<input style="width: 100px; border: none; border-bottom: 1px solid #ccc;" type="text" value="TCP"/> ▼	Port: <input style="width: 80px; border: none; border-bottom: 1px solid #ccc;" type="text" value="4430"/>
Tunnel Scenario	<input style="width: 100px; border: none; border-bottom: 1px solid #ccc;" type="text" value="TAP"/> ▼	
Remote IP/FQDN	<input style="width: 100%; border: none; border-bottom: 1px solid #ccc;" type="text" value="60.249.211.108"/>	
Remote Subnet	<input style="width: 150px; border: none; border-bottom: 1px solid #ccc;" type="text" value="192.168.100.100"/>	<input style="width: 150px; border: none; border-bottom: 1px solid #ccc;" type="text" value="255.255.255.0 (/24)"/> ▼
Redirect Internet Traffic	<input type="checkbox"/> Enable	
CA Cert	<input style="width: 100%; height: 30px; border: none; border-bottom: 1px solid #ccc;" type="text" value="hRyIHOQhQ==
-----END CERTIFICATE-----"/>	
Client Cert	<input style="width: 100%; height: 30px; border: none; border-bottom: 1px solid #ccc;" type="text" value="UA==
-----END CERTIFICATE REQUEST-----"/>	
Client Key	<input style="width: 100%; height: 30px; border: none; border-bottom: 1px solid #ccc;" type="text" value="lv4fXUZA1ssMXoV2lwpxWoOstYRR2ChLK0drfaoeJCA=
-----END RSA PRIVATE KEY-----"/>	
Encryption Cipher	<input style="width: 100px; border: none; border-bottom: 1px solid #ccc;" type="text" value="Blowfish"/> ▼	
Hash Algorithm	<input style="width: 100px; border: none; border-bottom: 1px solid #ccc;" type="text" value="SHA-1"/> ▼	
LZO Compression	<input style="width: 100px; border: none; border-bottom: 1px solid #ccc;" type="text" value="Adaptive"/> ▼	
Persist Key	<input type="checkbox"/> Enable	
Persist Tun	<input type="checkbox"/> Enable	
Additional Configuration	<input style="width: 100%; height: 30px; border: none; border-bottom: 1px solid #ccc;" type="text"/>	
Tunnel	<input checked="" type="checkbox"/> Enable	

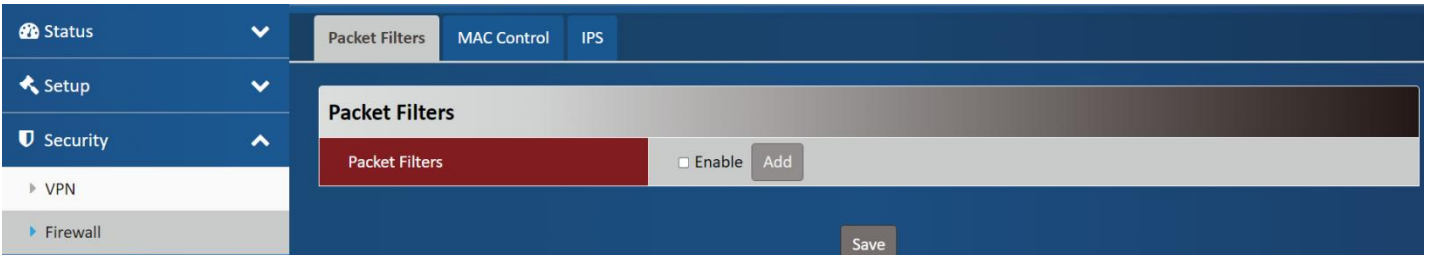
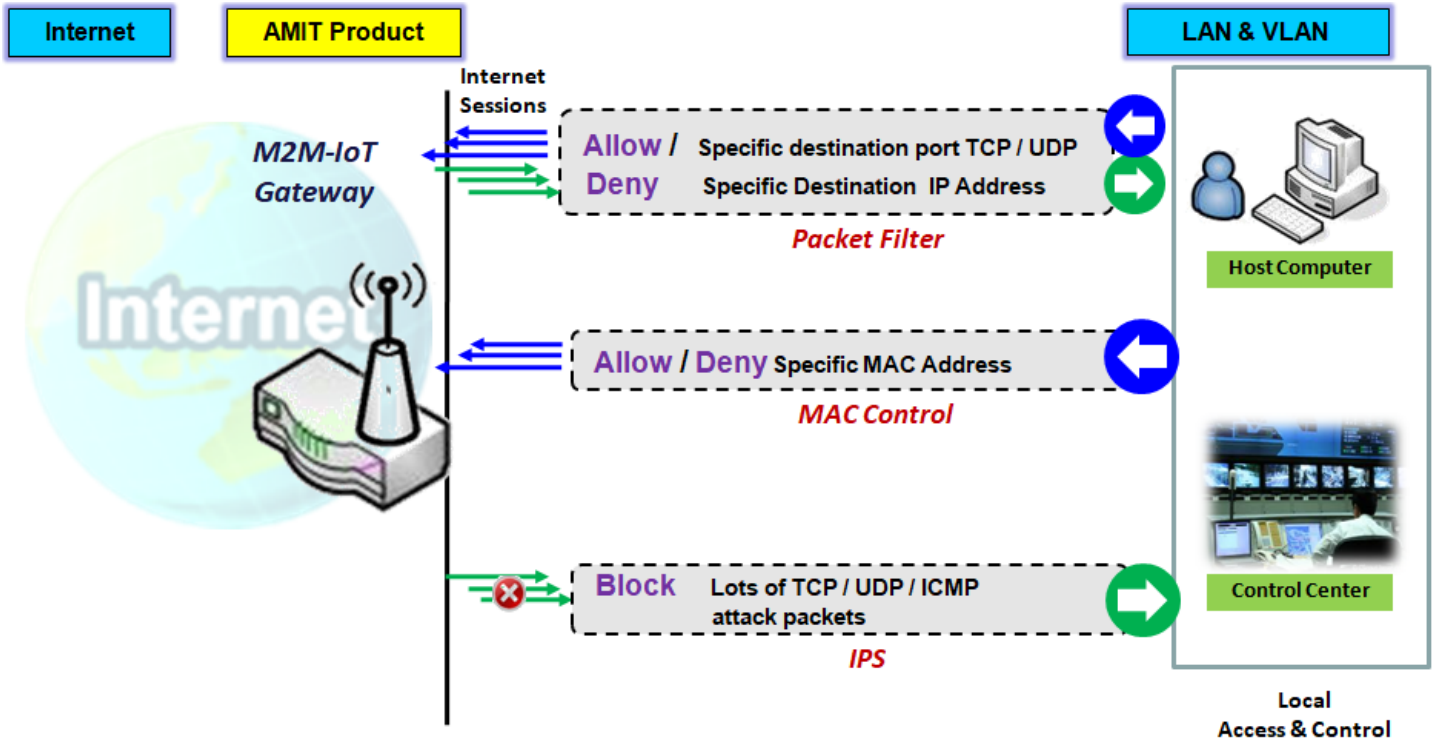
OpenVPN Client Rule Configuration Page Item	Value setting	Description
Name	<ol style="list-style-type: none"> 1. String format can be any text 2. A must-fill setting 	The name of current rule
Protocol	<ol style="list-style-type: none"> 1. A must-fill setting 2. By default TCP is 	Define the selected Protocol for connecting to the OpenVPN Server. <ul style="list-style-type: none"> • Select TCP , or UDP

4G PoE Multi-Connect Modem

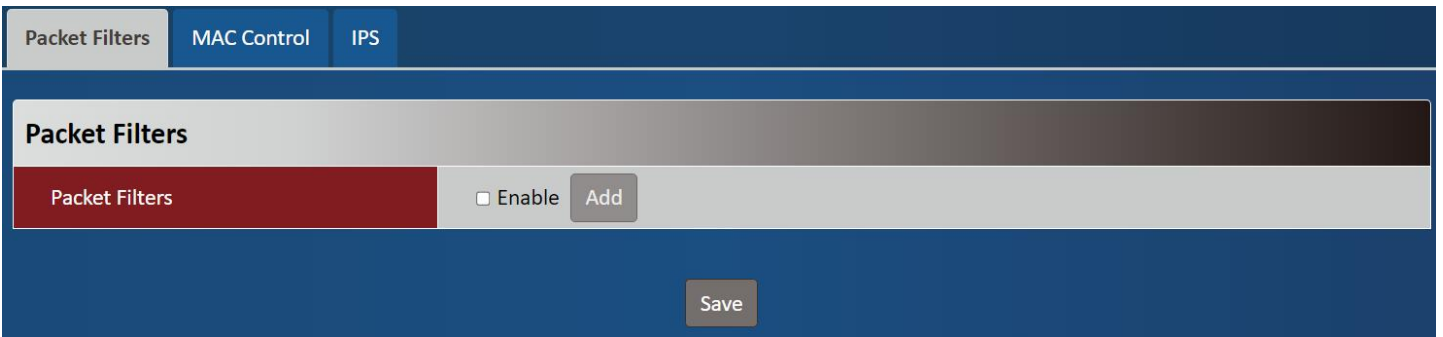
	selected.	-> The TCP protocol will be used to access the OpenVPN Server, and Port will be set as 4430 automatically. <ul style="list-style-type: none"> • Select UDP -> The UDP protocol will be used to access the OpenVPN Server, and Port will be set as 1194 automatically.
Tunnel Scenario	1. A must-fill setting 2. By default is selected.	Specify the type of Tunnel Scenario for connecting to the OpenVPN Server. It can be TUN for TUN tunnel scenario, or TAP for TAP tunnel scenario.
Remote IP/FQDN	A must-fill setting	Specify the Remote IP/FQDN of the peer OpenVPN Server for this OpenVPN Client tunnel. Fill in the IP address or FQDN.
Remote Subnet	1. An optional setting. 2. The box is unchecked by default.	Check the Enable box to activate remote subnet function, and specify Remote Subnet of the peer OpenVPN Server for this OpenVPN Client tunnel. Fill in the remote subnet address and remote subnet mask.
Redirect internet traffic	1. An optional setting. 2. The box is unchecked by default.	Check the Enable box to activate the Redirect Internet Traffic function.
CA Cert	A must-fill setting	Paste the CA Cert static key
Client Cert	A must-fill setting	Paste the Client Cert static key
Client key	A must-fill setting	Paste the Client Key static key
Encryption Cipher	1. A must-fill setting. 2. By default Blowfish is selected.	Specify the Encryption Cipher from the dropdown list. It can be Blowfish/AES-256/AES-192/AES-128/None .
Hash Algorithm	By default SHA-1 is selected.	Specify the Hash Algorithm from the dropdown list. It can be SHA-1/MD5/MD4/SHA2-256/SHA2-512/None/Disable .
LZO Compression	By default Adaptive is selected.	Specify the LZO Compression scheme.
Persist Key	1. An optional setting. 2. The box is checked by default.	Check the Enable box to activate the Persis Key function.
Persist Tun	1. An optional setting. 2. The box is checked by default.	Check the Enable box to activate the Persis Tun function.
Additional Configuration	1. An optional setting. 2. String format: any text	Specify the Additional Configuration .
Tunnel	The box is unchecked by default.	Click the Enable to activate OpenVPN functions.

4G PoE Multi-Connect Modem

4.2 Firewall



4.2.1 Packet Filters



Packet Filters Item	Value setting	Description
Packet Filters	The box is unchecked by	Check the Enable box to activate this Packet Filter function

4G PoE Multi-Connect Modem

default

Click **Addwill** pop-up **Packet Filter Rule Configuration** page

Packet Filter Rule Configuration

Name	<input type="text" value="test"/>
Source IP	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">IP Range ▾</div> <div style="border-bottom: 1px solid #ccc; padding: 2px 5px;">192.168.123.200</div> <div style="margin: 0 5px;">-</div> <div style="border-bottom: 1px solid #ccc; padding: 2px 5px;">192.168.123.250</div> </div>
Destination IP	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">Specific IP Address ▾</div> <div style="border-bottom: 1px solid #ccc; padding: 2px 5px;">195.165.124.33</div> </div>
Source Interface	Any ▾
Destination Interface	Any ▾
Source MAC	<input type="text" value="AA:BB:CC:EE:DD:FF"/>
Protocol	Any ▾
Source Port	Any ▾
Destination Port	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">Single Port ▾</div> <div style="border-bottom: 1px solid #ccc; padding: 2px 5px;">80</div> </div>
Time Schedule	(0) Always ▾
Rule	<input checked="" type="checkbox"/> Enable

Packet Filter Rule Configuration		
Item	Value setting	Description
Name	1. String format can be any text 2. A must-fill setting	Enter a packet filter rule name. Enter a name that is easy for you to remember.
Source ip	1. A must-fill setting 2. By default Any is selected	This field is to specify the Source IP address . Select Any to filter packets coming from any IP addresses. Select Specific IP Address to filter packets coming from an IP address. Select IP Range to filter packets coming from a specified range of IP address.
Destination IP	1. A must-fill setting 2. By default Any is selected	This field is to specify the Destination IP address . Select Any to filter packets that are entering to any IP addresses. Select Specific IP Address to filter packets entering to an IP address entered in this field. Select IP Range to filter packets entering to a specified range of IP address entered in this field.
Source Interface	1. A must-fill setting 2. By default Any is selected	Define the selected interface to be the packet-entering interface of the router. If the packets to be filtered are coming from LAN to WAN then select LAN for this field. Select Any to filter packets coming into the router from any interfaces.

4G PoE Multi-Connect Modem

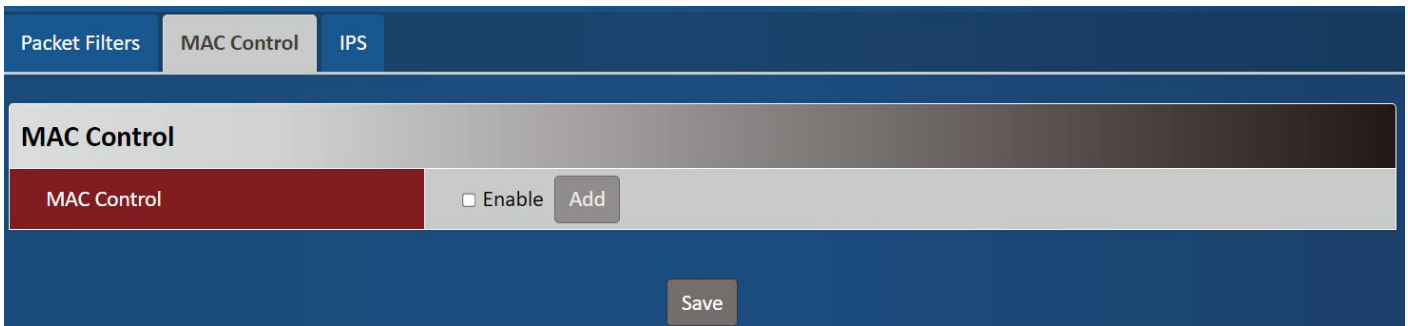
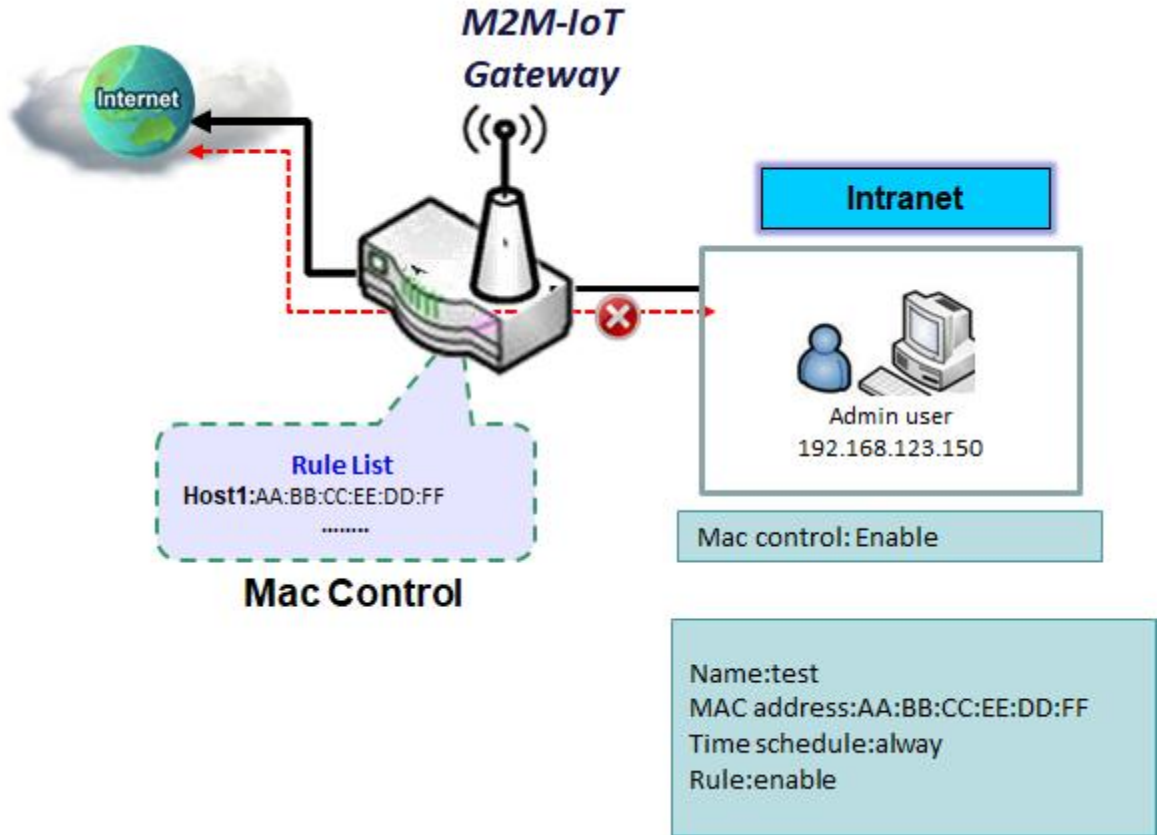
Destination interface	<ol style="list-style-type: none"> 1. A must-fill setting 2. By default, Any is selected 	<p>Define the selected interface to be the packet-leaving interface of the router. If the packets to be filtered are entering from LAN to WAN then select WAN for this field.</p> <p>Select Any to filter packets leaving the router from any interfaces.</p>
Source MAC	1. optional	Specify the SourceMACaddress .
Protocol	<ol style="list-style-type: none"> 1. A must-fill setting 2. By default Any is selected 	<p>For Protocol, select Any to filter any protocol packets</p> <p>For Protocol, select TCP to filter tcp packets</p> <p>For Protocol, select udp to filter udp packets</p> <p>For Protocol, select both to filter both packets</p> <p>For Protocol, select ICMP to filter ICMP packets</p> <p>For Protocol, select GRE to filter GRE packets</p> <p>For Protocol, select AH to filter AH packets</p> <p>For Protocol, select ESP to filter ESP packets</p> <p>For Protocol, select SCT to filter SCT packets</p>
Source port	<ol style="list-style-type: none"> 1. A must-fill setting 2. By default Any is selected 	<p>This field is to specify the Source port.</p> <p>Select Any to filter packets coming from any port.</p> <p>Select single port to specify a unique port for the packets come to the port.</p> <p>Select portrange to filter packets coming from a specified range of port.</p>
Destination port	<ol style="list-style-type: none"> 1. A Must-fill setting 2. By default Any is selected 	<p>This field is to specify the destination port.</p> <p>Select Any to filter packets coming from any port.</p> <p>Select single port to filter a unique port for the packets come to the port.</p> <p>Select portrange to filter packets with a specified destination port range.</p>
Time schedule	<ol style="list-style-type: none"> 1. An optional filled setting 2. (0)Always is selected by default. 	Apply Time Schedule to this rule; otherwise leave it as (0) Always.
Rule	The box is unchecked by default	Check the Enable box to activate this Packet Filter function

4G PoE Multi-Connect Modem

4.2.2 MAC Control

When the administrator wants to reject the traffics from some client hosts with specific MAC addresses, he can use the "MAC Control" function to reject with the black list configuration.

Mac control Scenario



MAC Control Item	Value setting	Description
MAC Control	The box is unchecked by default	Check the Enable box to activate this MAC control function Click Add will pop-up MAC control Rule Configuration page

4G PoE Multi-Connect Modem

MAC Control Rule Configuration

Name	<input type="text" value="test"/>
MAC Address	<input type="text" value="AA:BB:CC:EE:DD:FF"/>
Time Schedule	<input type="text" value="(0) Always"/>
Rule	<input checked="" type="checkbox"/> Enable

Mac Control Rule Configuration		
Item	Value setting	Description
Name	1. String format can be any text 2. A must-fill setting	Enter a MAC rule name. Enter a name that is easy for you to remember.
MAC address	Blank is set by default	Specify the Source MAC Address to filter rule.
Time Schedule	1. An optional filled setting 2. (0)Always is selected by default.	Apply Time Schedule to this rule; otherwise leave it as (0) Always.
Rule	The box is unchecked by default	Check the Enable box to activate this MAC control function

4G PoE Multi-Connect Modem

4.2.3 IPS

Packet Filters
MAC Control
IPS

IPS

IPS	<input type="checkbox"/> Enable
SYN Flood Defence	<input type="checkbox"/> Enable
SYN Flood Threshold	<input type="text" value="0"/> (100~10000)
Ping Flood Defence	<input type="checkbox"/> Enable
Ping Flood Threshold	<input type="text" value="0"/> (100~10000)
UDP Flood Defence	<input type="checkbox"/> Enable
UDP Flood Threshold	<input type="text" value="0"/> (100~10000)
Block Smurf Attack	<input type="checkbox"/> Enable
Block Land Attack	<input type="checkbox"/> Enable
Block Fraggle Attack	<input type="checkbox"/> Enable
Block Ping Of Death Attack	<input type="checkbox"/> Enable
Block Traceroute	<input type="checkbox"/> Enable

IPS Page Item	Value setting	Description
IPS	The box is unchecked by default	Check the Enable box to activate this IPS function
Log enable	The box is unchecked by default	Check the Enable box to activate to activate Event Log.
SYN Flood Defense	The box is unchecked by default	Check the Enable box to activate this SYN Flood Defensefunction
SYN Flood Threshold	1. A must-fill setting 2. Traffic threshold is set to 0 by default 3. The value range can be from 100 to 10000.	Specify the value range to block
Ping Flood Defence	The box is unchecked by default	Check the Enable box to activate this Ping Flood Defencefunction
Ping Flood Threshold	1. A must-fill setting	Specify the value range to block

4G PoE Multi-Connect Modem

	2. Traffic threshold is set to 0 by default 3. The value range can be from 100 to 10000.	
UDP Flood Defence	The box is unchecked by default	Check the Enable box to activate this UDP Flood Defencefunction
UDP Flood Threshold	1. A Must-fill setting 2. Traffic threshold is set to 0 by default 3. The value range can be from 100 to 10000.	Specify the value range to block
Block Smurf Attack	The box is unchecked by default	Check the Enable box to activate this Block Smurf Attackfunction
Block Snork Attack	The box is unchecked by default	Check the Enable box to activate this Block SnorkAttackfunction
Block Land Attack	The box is unchecked by default	Check the Enable box to activate this Block Land Attackfunction
Block Fraggle Attack	The box is unchecked by default	Check the Enable box to activate this Block FraggleAttackfunction
ICMP Defender	The box is unchecked by default	Check the Enable box to activate this ICMP Defenderfunction
Unknown Protocol Defence	The box is unchecked by default	Check the Enable box to activate this Unknown Protocol Defencefunction
Block Ping Of Death Attack	The box is unchecked by default	Check the Enable box to activate this Block Ping Of Death Attackfunction
Block ICMP Fragment Attack	The box is unchecked by default	Check the Enable box to activate this Block ICMP Fragment Attackfunction
Block SYN Fragment Attack	The box is unchecked by default	Check the Enable box to activate this Block SYN Fragment Attackfunction
Block Traceroute	The box is unchecked by default	Check the Enable box to activate this Block Traceroutefunction
Block Teardrop Attack	The box is unchecked by default	Check the Enable box to activate this Block Teardrop Attackfunction
TCP Abnormal Attack	The box is unchecked by default	Check the Enable box to activate this TCP Abnormal Attackfunction
IP Spoofing Defence	The box is unchecked by default	Check the Enable box to activate this IP Spoofing Defencefunction

Chapter 5 Administrator

5.1 Manager

The screenshot shows the Administrator interface with a sidebar on the left containing menu items: Status, Setup, Security, Administrator, Manager, Utility, and Logout. The main content area has tabs for FW Upgrade, Password & MMI, Reboot & Reset, SSH, Remote Administrator, and Device Management. The FW Upgrade tab is active, displaying two sections: Firmware Information and Firmware Upgrade.

Firmware Information	
FW Version	00009W0.NB1_eB1.0000_11201800
FW Date	2023/11/20

Firmware Upgrade	
FW Path	<input type="text" value="選擇檔案"/> 未選擇任何檔案
Upgrade Action	<input type="button" value="Upgrade"/>

5.1.1 FW Upgrade

Firmware Information	
FW Version	00009W0.NB1_eB1.0000_11201800
FW Date	2023/11/20

Firmware Information		
Item	Value setting	Description
FW Version	N/A	It displays the firmware version of the product
FW Date	N/A	It displays the build time of the firmware

Firmware Upgrade	
FW Path	<input type="text" value="選擇檔案"/> 未選擇任何檔案
Upgrade Action	<input type="button" value="Upgrade"/>

Firmware Upgrade		
Item	Value setting	Description
FW Path	N/A	Select firmware file to be upgraded
Upgrade Action	N/A	Click Upgrade button to start upgrade process with selected FW

Backup Configuration Settings	
Backup Configuration Settings	<input type="button" value="Download"/> <input type="button" value="Via Web UI"/>

Backup Configuration Settings

4G PoE Multi-Connect Modem

Item	Value setting	Description
Backup Configuration Settings	Download is selected by default	You can backup or restore the device configuration settings by clicking the Via Web UI button. Download: for backup the device configuration to a config.bin file. Upload: for restore a designated configuration file to the device. Via Web UI: to retrieve the configuration file via Web GUI.

5.1.2 Password & MMI

Username	
Username	admin
New Username	<input type="text"/>

Username		
Item	Value Setting	Description
Username	1. The default username is 'admin'.	Display the current username for the administrator
New Username	String: any text	Enter the new username

Password	
Old Password	<input type="password"/>
New Password	<input type="password"/>
New Password Confirmation	<input type="password"/>

(NOTE: The password must be at least 10 characters long, and must contain at least 1 English letter and 1 number. The password cannot be the same as the login account.)

Password		
Item	Value Setting	Description
Old Password	1. String: any text 2. The default password for web-based MMI is 'admin'.	Enter the current password to enable you unlock to change password.
New Password	String: any text	Enter new password
New Password Confirmation	String: any text	Enter new password again to confirm

MMI	
Login	Password-Guessing Attack & MAX: <input type="text" value="3"/> (times)
Login Timeout	<input type="checkbox"/> Enable <input type="text" value="300"/> (seconds)

MMI		
Item	Value setting	Description

4G PoE Multi-Connect Modem

Login	3 times is set by default	Enter the login trial counting value. Value Range: 3 ~ 10. If someone tried to login the web GUI with incorrect password for more than the counting value, an warning message “ Already reaching maximum Password-Guessing times, please wait a few seconds! ” will be displayed and ignore the following login trials.
Login Timeout	The Enable box is checked, and 300 is set by default.	Check the Enable box to activate the auto logout function, and specify the maximum idle time as well. Value Range: 30 ~65535.
GUI Access Protocol	http/https is selected by default.	Select the protocol that will be used for GUI access. It can be http/https, http only, or https only.

5.1.3 Reboot & Reset

System Operation Item	Value setting	Description
Reboot	Now is selected by default	Click the Reboot button to reboot the gateway immediately or on a pre-defined time schedule. Now: Reboot immediately Time Schedule: Select a pre-defined auto-reboot time schedule rule to reboot
Reset to Default	N/A	Click the Reset button to reset the device configuration to its default value.

5.1.4 SSH

SSH

4G PoE Multi-Connect Modem

Item	Value Setting	Description
SSH	<ol style="list-style-type: none"> Default value is disable such service By default Service Port is 22. 	<p>Check the Enable box to activate the SSH Telnet function for connecting from LAN or WAN interfaces.</p> <p>You can set which number of Service Port you want to provide for the corresponding service.</p> <p>Value Range: 1 ~65535.</p>

5.1.5 Remote Administrator

FW Upgrade Password & MMI Reboot & Reset SSH Remote Administrator Device Management

Remote Administrator Host Definition

Remote Administrator Host Definition Add

Remote Administrator Host Definition		
Item	Value setting	Description
Remote Administrator Host Definition	N/A	Press "Add" to set a remote administrator rule

Rule Configuration

Name	<input type="text"/>
Protocol	HTTP <input type="button" value="v"/>
Remote IP	Any IP <input type="button" value="v"/> <input type="text"/>
Subnet Mask	255.0.0.0 (/8) <input type="button" value="v"/>
Service Port	80 <input type="text"/>
Rule	<input type="checkbox"/> Enable

Save Close

Rule Configuration		
Item	Value setting	Description
Name	String: any text	Set rule name
Protocol	HTTP is set by default	Select HTTP or HTTPS method for router access.
Remote IP	A must-fill setting Any IP by default	<p>This field is to specify the remote host to assign access right for remote access.</p> <p>Select Any IP to allow any remote hosts</p> <p>Select Specific IP to allow the remote host coming from a specific subnet.</p>

4G PoE Multi-Connect Modem

Subnet Mask	255.0.0.0/8 by default	WhenSelectSpecific IP to allow the remote host coming from a specific subnet.
Service Port	1. 80 for HTTP by default	This field is to specify a Service Port to HTTP or HTTPS connection.
Rule	The box is unchecked by default.	Click Enable box to activate this rule.

5.1.6 Device Management

Configuration

Device Management	<input type="checkbox"/> Enable
Input Service URL	<input type="text"/>
Input Server IP STUN traffic	<input type="text"/>
Self-Certification	<input checked="" type="checkbox"/> Enable

Configuration Item	Value setting	Description
Device management	The box is unchecked by default	Check the Enable box to activate this Device management function
Input service URL	Blank is set by default	Specify ANMS service domain nameURL
Input server IP STUN traffic	Blank is set by default	Specify ANMS serverpublicip or domain name
Self-certification	The Enable box is checked by default	Check the Enable box to activate this Self-certification function

5.2 Utility

Status Setup Security Administrator Manager Utility Logout

SMS

SMS Service

SMS	<input type="checkbox"/> Enable
SMS Storage	<input type="text" value="SIM"/>
Free Space	<input type="text" value="0"/> (0-10)
Event Management	<input type="checkbox"/> Enable Edit
SMS Forward Management	<input type="checkbox"/> Enable Edit

4G PoE Multi-Connect Modem

5.2.1 SMS

SMS Service	
SMS	<input type="checkbox"/> Enable
SMS Storage	SIM <input type="button" value="v"/>
Free Space	0 (0-10)
Event Management	<input type="checkbox"/> Enable <input type="button" value="Edit"/>
Message Prefix	<input type="checkbox"/> Enable <input type="text"/>

SMS service Item	Value Setting	Description
SMS	The box is unchecked by default	Check the Enable box to activate this SMS function Click Add will pop-up MAC control rule configuration page
SMS storage	SIM by default	Select SIM or modem storage
Free space	0 by default	Specify a number (1-10) for message count to reserve some available storage space and prevent it from run out of storage.
Even management	The box is unchecked by default	Check the Enable box to activate this SMS function Click edit will pop-up account configuration page
Message Prefix	The box is unchecked by default	Click the Enable box to enable the SMS prefix for validating the received SMS. Once the function is enabled, you have to enter the prefix behind the checkbox. The received managing events SMS must have the designated prefix as an initial identifier, then corresponding handlers will become effective for further processing.

4G PoE Multi-Connect Modem

Account Configuration

Phone Number#1	<input type="text"/>
Application	<input type="checkbox"/> Managing <input type="checkbox"/> Notifying
Enable	<input type="checkbox"/>
Phone Number#2	<input type="text"/>
Application	<input type="checkbox"/> Managing <input type="checkbox"/> Notifying
Enable	<input type="checkbox"/>

Managing Events

Cellular Status	<input type="checkbox"/> Enable
Cellular Reconnect	<input type="checkbox"/> Enable
Reboot	<input type="checkbox"/> Enable

Notifying Events

Cellular Connected	<input type="checkbox"/> Enable
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Account Configuration		
Item	Value Setting	Description
Phone number#1	The box is unchecked by default	Sender Phone Number for the received SMS
Application	The box is unchecked by default	Check the Enable box to activate this SMS function
Enable	The box is unchecked by default	Check the Enable box to activate this SMS function
Phone number#2	The box is unchecked by default	Sender Phone Number for the received SMS
Application	The box is unchecked by default	Check the Enable box to activate this Managing Event function
Enable	The box is unchecked by default	Check the Enable box to activate this SMS function

Managing Event		
Item	Value Setting	Description
Cellular Status	The box is unchecked by default	Enable the option and user can query the current connection status via sending SMS "status" from specify phone number which enables managing function.

4G PoE Multi-Connect Modem

Cellular Reconnect	The box is unchecked by default	Enable the option and user can force the current connection re-econnect once via sending SMS “ reconnect ” from specify phone number which enables managing function.
Reboot	The box is unchecked by default	Enable the option and user can force the device reboot once via sending SMS “ reboot ” from specify phone number which enables managing function.

Notifying Events		
Item	Value setting	Description
Cellular Connected	The box is unchecked by default	Enable the option will send a SMS to show “ WAN Link UP-IP:xxx.xxx.xxx.xxx ” to specify phone number which enable Notifying function when cellular WAN establishes a connection.

SMS Summary		
New SMS	0	
Received SMS	0	
Action	<input type="button" value="New SMS"/> <input type="button" value="SMS Inbox"/>	

SMS Summary		
Item	Value setting	Description
New SMS	N/A	show new SMS number
Received SMS	N/A	show Received SMS number
Action	N/A	Click new SMS will pop-upnewsms page Click sms inbox will pop-up sms inbox page

4G PoE Multi-Connect Modem

New SMS

Receiver	<input style="width: 100%; height: 20px;" type="text"/> (Use '+' for International Format and ';' to Compose Multiple Rec eivers)
Text Message	<div style="border: 1px solid gray; width: 100%; height: 150px; margin: 0 auto;"></div>
Action	Current Input Length: 0/512 <div style="display: flex; justify-content: center; gap: 10px;"> Send Clear </div>

Close

New SMS		
Item	Value setting	Description
Remote Administrator Host Definition	N/A	Write the receivers to send SMS. User need to add the semicolon and compose multiple receivers that can group send SMS.
Text Message	N/A	Write the SMS context to send SMS.
Action		Clickthe Send button, above text message will be sent as a SMS. Clickthe Clear button, toclear text message

SMS Inbox

None

SMS Inbox		
Item	Value setting	Description
none	N/A	read or delete SMS, reply SMS or forward SMS from this screen.

4G PoE Multi-Connect Modem

5.2.2 Command Script

Command Script

Command Script

0 / 4096

Enable Enable

Command Script Item	Value Setting	Description
Command Script	1.An optional setting 2.Any string	Enter a short description for the applied Command Script.
Enable	The box is unchecked by default	Check the Enable box to activate the Command Script function.