



User Manual

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Chapter 1 Introduction

1.1 Introduction

Congratulations on your purchase of D-Link's 5G Multi-Connect PoE Modem. With this 5G 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 5G WAN connection and is back compatible with 3G/4G.
- Provide two 1 Gigabit Ethernet ports for the LAN connection.
- Provide two 1 Gigabit Ethernet ports supporting 802.3at PoE connectivity
- 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 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.

1.2 Contents List

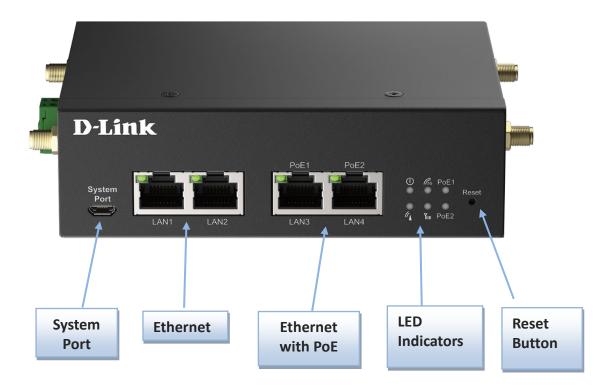
1.2.1 Package Contents

#Standard Package

Items	Description	Contents	Quantity
1	DWM-314-GP 5G Multi-Connect PoE Modem	D-Link Doctor Description Description	1pcs
2	Cellular Antenna		4pcs
3	RJ45 Cable		1pcs
4	2 Pin Terminal Block		1pcs
5	Power Adapter (54V/1.67A)		1pcs
6	Power Cord		1pcs
7	DIN-Rail Bracket		1 set (DIN rail: screw x3)

1.3 Hardware Configuration

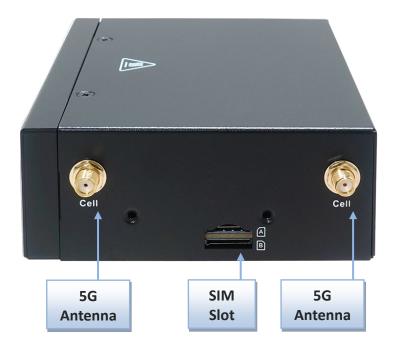
Front View



※Reset Button

RESET button provides user a quick and easy way to restore the default setting. Press the RESET button continuously for more than 8 seconds, and then release it. The device will restore to factory default settings

Right View

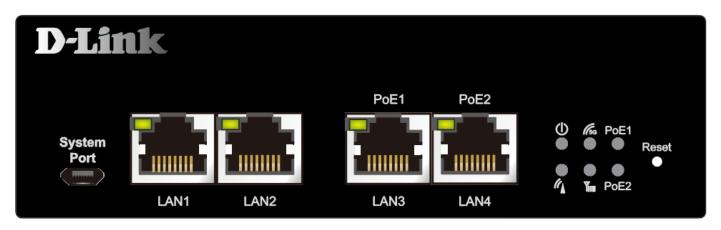


Left View



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1.4 LED Indication



Indication	LED Color	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.
5G 5G/LTE	Blue	Bule and steady on: The device registers to 5G network Blue and Flash: The device registers to LTE network
Signal Strength	Blue	Blue and Steady On: Cellular signal is good. Blue and Slow Flash: Cellular signal is weak. OFF: No cellular signal.
PoE1 O O PoE2 PoE 1 ~ 2	Blue	Steady On: Supply PoE Power to Ethernet Port. Off: No PoE Power to Ethernet Port
Ethernet LAN1~4 (in RJ45 port)	Green	Green and Steady On: A Ethernet device is connected. Green and Flash: Data transmission through Ethernet.

1.5 Installation& MaintenanceNotice

1.5.1 SYSTEM REQUIREMENTS

Network Requirements	 An Ethernet RJ45cable 4G/5G cellular service subscription 100/1000M Ethernet adapter on PC 	
Web-based Configuration Utility	Computer with the following:	

Requirements	 Windows®, Macintosh, or Linux-based operating system An installed Ethernet adapter Browser Requirements:
	 Internet Explorer 8.0 or higher Chrome 2.0 or higher Firefox 3.0 or higher Safari 3.0 or higher

1.5.2 WARNING



Attention

- Only use the power adapter that comes with the package. Using a different voltage rating power adaptor is dangerous and may damage the product.
- 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

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 comply 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 Wi-Fi product marketed in US must fixed to US operation channels only.

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!!

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

Band Number	Frequency Band	Max. Output Power
WCDMA Band 1	1920 ~ 1980 MHz	24 dBm
WCDMA Band 5	824 ~ 849 MHz	24 dBm
WCDMA Band 8	880 ~ 915 MHz	24 dBm
LTE Band 1	1920 ~ 1980 MHz	23 dBm
LTE Band 3	1710 ~ 1785 MHz	23 dBm
LTE Band 5	824 ~ 849 MHz	23 dBm
LTE Band 7	2500 ~ 2570 MHz	23 dBm
LTE Band 8	880 ~ 915 MHz	23 dBm
LTE Band 20	832 ~ 862 MHz	23 dBm
LTE Band 28	703 ~ 748 MHz	23 dBm
LTE Band 38	2570 ~ 2620 MHz	26 dBm
LTE Band 40	2300 ~ 2400 MHz	23 dBm
LTE Band 41	2496 ~ 2690 MHz	26 dBm
LTE Band 42	3400 ~ 3600 MHz	26 dBm
LTE Band 43	3600 ~ 3800 MHz	26 dBm
5G NR Band n1	1920 ~ 1980 MHz	23 dBm
5G NR Band n3	1710 ~ 1785 MHz	23 dBm
5G NR Band n5	824 ~ 849 MHz	23 dBm
5G NR Band n7	2500 ~ 2570 MHz	23 dBm
5G NR Band n8	880 ~ 915 MHz	23 dBm
5G NR Band n20	832 ~ 862 MHz	23 dBm
5G NR Band n28	703 ~ 748 MHz	23 dBm
5G NR Band n38	2570 ~ 2620 MHz	26 dBm
5G NR Band n40	2300 ~ 2400 MHz	23 dBm
5G NR Band n40	2300 ~ 2400 MHz	23 dBm
5G NR Band n41	2496 ~ 2690 MHz	29 dBm
5G NR Band n77	3300 ~ 4200 MHz	29 dBm
5G NR Band n78	3300 ~ 3800 MHz	29 dBm

^{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.

1.6 Hardware Installation

This chapter describes how to install and configure the hardware

1.6.1 Mount the Unit

The device 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 device. 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 slot A (SIM-A) or slot B (SIM-B).



Step 3:

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



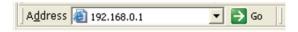
1.6.3 Connecting to the Network or a Host

The DWM-314-GP provides four RJ45 ports to connect to 10/100/1000Mbps Ethernet. It can auto detect the transmission speed on the network and configure itself automatically. Connect one 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.

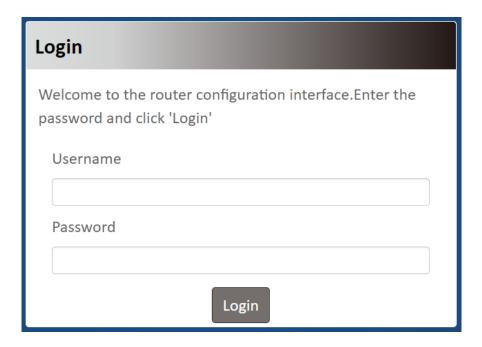
1.6.4 Setup by Configuring WEB UI

You can browse web UI to configure the device.

Type in the IP Address $(http://192.168.0.1)^2$



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



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

^{2.} The default LAN IP address of this gateway is 192.168.0.1, 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

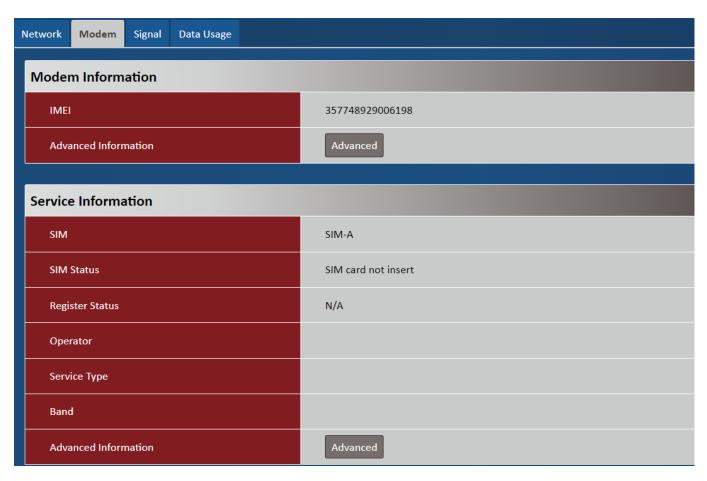


2.1.1. Network



Network Page		
Item	Description	
Mode	Network type NAT	
Link Status	Display cellular network status connected or disconnected.	
IP address	Base station distribution network IP	
Netmask	Display cellular network netmask	
Gateway	Display cellular network gateway	

2.1.2 Modem



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

Advanced information	
IMEI	868371050045414
Temperature	57 °C
4G Band Capability	1:2:3:4:5:7:8:12:13:14:17:18:19:20:25:26:28:29:30:32:34:38:39:4 0:41:42:43:46:48:66:71
5G Band Capability	1:2:3:5:7:8:12:13:14:18:20:25:26:28:29:30:38:40:41:48:66:70:71:7 5:76:77:78:79
5G Band Capability	5:76:77:78:79

Close

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Advanced Information Page		
Item	Description	
IMEI	Display modem IMEI information	
Temperature Module temperature		
4G Band capability 4G support band		
5G Band capability	5G support band	

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

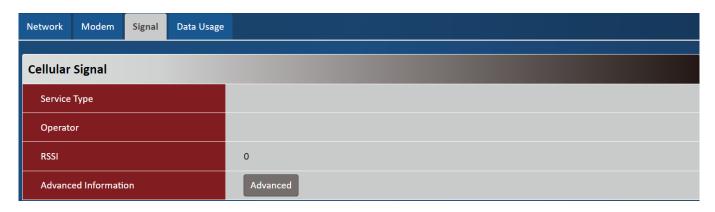
Service Information Page		
Item	Description	
Sim	Display card slot	
Sim status	Display read sim status	
Register status	Display base station registration status registered or not register	
Operator	Operator name	
Service type	Display LTE /5G	
Band	Connected frequency band	
Advanced	Click advanced button to show Advanced Information	
Information		

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

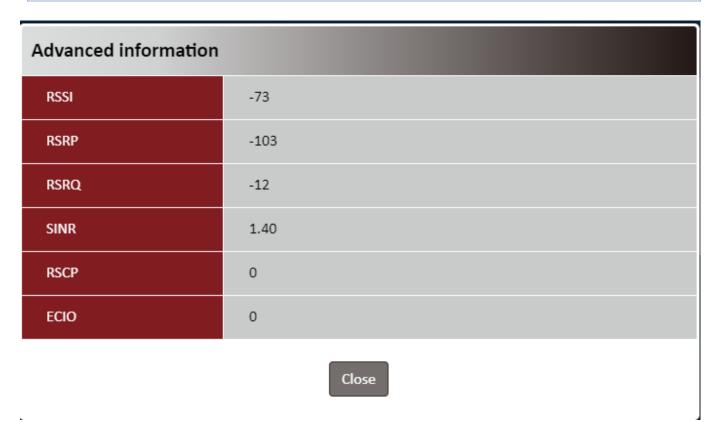
Close

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	

2.1.3 Signal



Cellular Signal Page		
Item	Description	
Service type	Cellular service type LTE /5G	
Operator	Operator name	
RSSI	Display Received Signal	
Advanced Information	Click advanced button to show Advanced Information	



Advanced Information Page		
Item	Description	
RSSI	Display Received Signal	
RSRP	Display Signal Received Power	
RSRQ	Display Signal Received Quality	
SINR	Display Interference Strength	
RSCP	Display Signal received Power	
ECIO	Display interference Ratio	

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2.1.4 Data Usage (Refer to 3.3.4)



2.2 Network



Network Page		
Item	Description	
Client List	Display connected client list	

2.3 Security



2.3.1 VPN



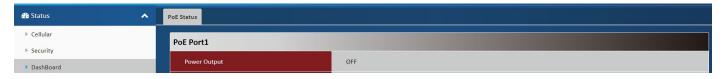
OpenVPN client name Page		
Item	Description	
Openvpn client #1 Click advanced button to display the VPN connection status		

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
Conn.Status	Disconnected

Close

Advanced Information Page		
Item	Description	
Openvpn client name	Vpn Client name	
Remote IP/FQDN	Vpn server IP or FQDN	
Remote subnet	Vpn server remote subnet	
Virtual IP	Vpn virtual IP	
Conn.time	Display connected time	
Conn.status	Display connected or disconnected	

2.4 DashBoard



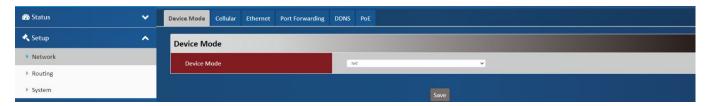
2.4.1 PoE Status

PoE Status		
PoE Port1		
Power Output	ON	
PD Classification	PD Classification 0 (Default)	
Voltage (V)	46.8	
Current (mA)	92	
Consumption (Watts)	4.31	
PoE Port2		
Power Output	OFF	
PD Classification	N/A (Power Off)	
Voltage (V)	0.0	
Current (mA)	0	
Consumption (Watts)	0.00	

Chapter 3 Setup

The DWM-314-GP connects to a machine via the Ethernet interface for 3G/4G/5G network connection. The DWM-314-GP also provides another function with NAT router. It can help the network application to be more flexible.

3.1 Network



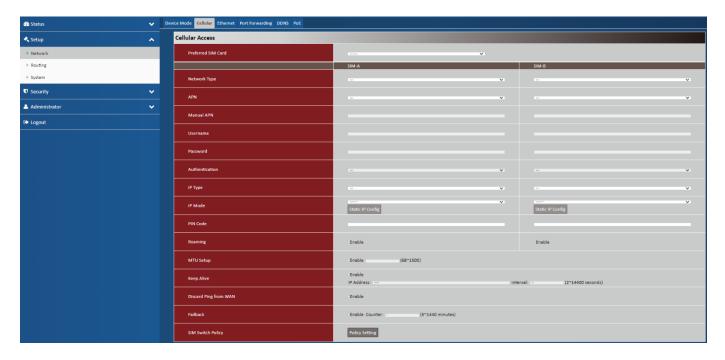
Network Page		
Item	Description	
Device Mode	Set the unit operating mode	
Cellular	Set the parameter for cellular network.	
Ethernet	Set the IP of Ethernet and DHCP service	
Port Forwarding	Enable specified port or protocol for service on connected device.	
DDNS	Register a dynamic host name for the unit.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

3.1.1 Device Mode



		Device Mode
Item	Value setting	Description
Device Mode	 A Must-fill setting By default NAT is selected 	NAT The unit will provide a NAT service and provide a simple firewall for the connected device. Modem The unit will pass the cellular IP to connected device via Ethernet

3.1.2 Cellular

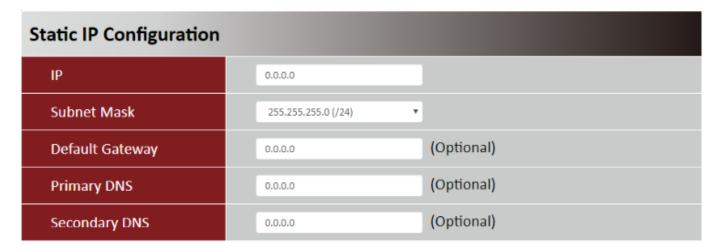


		Device Mode
Item	Value setting	Description
Preferred SIM Card	SIM-A First SIM-B First SIM-A Only SIM-B Only	To select the SIM connection mode
Network Type	Auto NR5G-SA NR5G-NSA LTE	To select the cellular signal connection type
APN	 A Must-fill setting By default Auto is selected 	Auto The unit will detect the SIM and set an APN from internal database. Manual User must set APN manually.
Manual APN	1. A Must-fill setting	Enter the APN you want to use to establish the connection.

		2. String format : any text	This is a must-fill setting if you selected Manual APN as APN scheme.
Username		1. An Optional setting 2. String format: any	Enter the optional username settings if your ISP provided such setting to you.
Osername		text	to you.
Password		 An Optional setting String format: any 	Enter the optional Password settings if your ISP provided such setting to you.
		text	
Authentication		 A Must-fill setting By default Auto is selected 	Select PAP (Password Authentication Protocol) and use such protocol to be authenticated with the carrier's server. 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 .
ІР Туре		 A Must-fill setting 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		A Must-fill setting By default Dynamic IP 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		 An Optional setting String format : interger 	Enter the PIN (Personal Identification Number) code if it needs t unlock your SIM card.
Roaming		 An Optional setting Uncheck by default 	Check the checkbox to enable the modem to connect on the cellular network at roaming state.
MTU Setup		An Optional setting 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.
		1. An optional setting	Check the Enable box to activate the keep alive function.
Keep Alive		2. Box is unchecked by	Input IP Address and interval to send an ICMP packet to check the
		default	network status.
DiscardPing f WAN	from	 An Optional setting Uncheck by default 	The modem will not respond the ICMP request packet from remote hosts when the checkbox is checked.
Failback		1. Uncheck by default 2. 5 minutes by default	When Failback is checked, when the main WAN can be connected, it will switch to the main WAN after the set count time is up Value Range: $5 \sim 1440$ minutes.
SIM Switch Policy	1		Click the Policy Setting button to define the SIM Switch policy or browse the current policy settings.
			. , .

Policy Setting	
Failed connection	o (0~10 times)
RSSI Monitor	□ Enable Threshold: - ○ (-90~-113 dBm)
Network Service	□ Enable Loss NR5G signal: ○ (1~30 minutes)
Roaming Service	□ Enable Timeout: ○ (1~30 minutes)
	Save Close

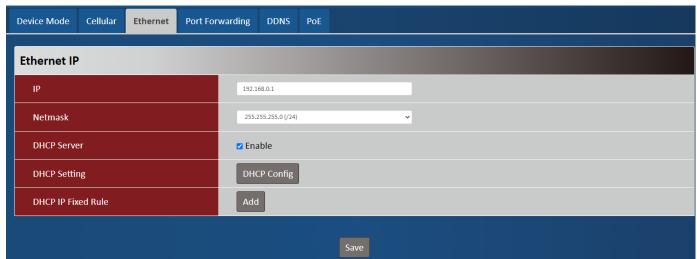
		Policy Setting
ltem	Value setting	Description
Failed connection	 0 By default Unchecked by default 	Number of failed connections, After the number of times is reached, switch the SIM
RSSI Monitor	1.0 By default 2. Unchecked by default	When the signal is less than the set value, the SIM will be switched
Network service	1.0 By default 2.	When the loss NR5G signal reaches the set value time, start switching SIM
Roaming service	1. 0 By default	Switch SIM when roaming timeout time reaches the set value



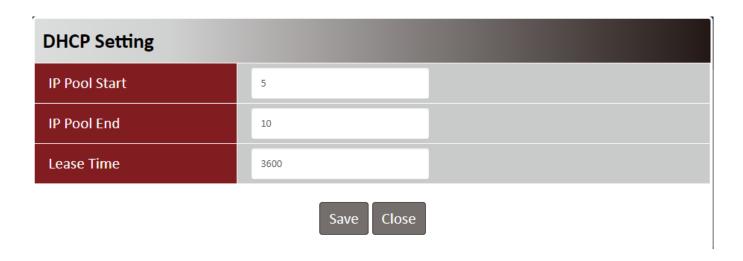
Save Close

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

3.1.3 Ethernet



		Ethernet IP
Item	Value setting	Description
IP	 IPv4 format. 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.



		DHCP Setting
Item	Value setting	Description
IP Pool Start	 Numberic string format. A Must-fill setting 	The IP Pool of this DHCP Server. It is Starting Address entered in this field.
IP Pool End	 Numberic string format. A Must-fill setting 	The IP Pool of this DHCP Server. It is Ending Address entered in this field.
Lease Time	 Numberic string format. A Must-fill setting 	The Lease Time of this DHCP Server. <u>Value Range</u> : 300 ~ 604800 seconds.

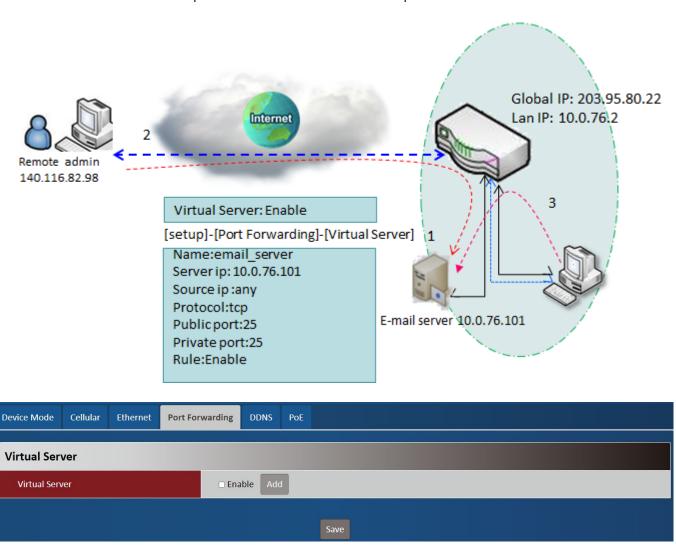
DHCP IP Fixed Rule Configuration		
Name	PoE-PD-Device	
Fixed IP	192.168.123.11	
Fixed MAC	00:11:33:dd:ff:ae	
Rule	□ Enable	

Save Close

	D	HCP IP Fixed Mapping	
Item	Value setting	Description	
	1. String format can be	The name of current rule.	
Name	any text		
	2. A must-fill setting		
Fixed IP	1. IPv4 format.	The ID Address of this manning rule	
rixed iP	2. A must-fill setting	The IP Address of this mapping rule.	
	1. MAC Address string		
Fixed MAC	format	The MAC Address of this mapping rule.	
	2. A must-fill setting		
Rule	The box is unchecked	Click Enable box to activate this rule.	
	by default.	CHICK ENABLE DOX TO activate this rule.	

3.1.4 Port Forwarding

"Virtual Server" allows you to access servers with the global IP address of the gateway as if they are servers existing on 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.



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

Virtual Server Rule (Virtual Server Rule Configuration		
Name			
Server IP			
Source IP	Any ▼		
Protocol	TCP(6) ▼		
Public Port	Single Port ▼		
Private Port	Single Port ▼		
Rule	□ Enable		
	Save Close		

Virtual Server Rule Configuration		
ltem	Value setting	Description
Name	 String format can be any text 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	 A Must-fill setting 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	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. Value Range: 1 ~ 65535 for Public Port, Private Port.
		When "UDP(17)" is selected

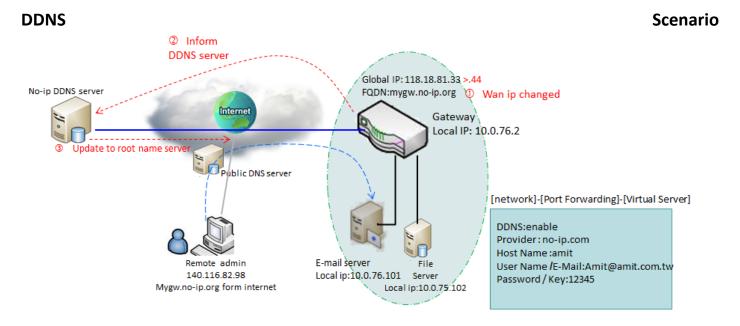
		It means the option "Protocol" of packet filter rule is UDP.
		Public Port selected a predefined port from Well-known Service, and
		Private Port is the same with Public Port number.
		Public Port is selected Single Port and specify a port number, and
		Private Port can be set a Single Port number.
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



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

3.1.5 **DDNS**

To host your server on a changing IP address, you have to use dynamic domain name service (DDNS). Therefore, anyone wishing to reach your host only needs to know the domain name. Dynamic DNS will map the name of your host to your current IP address, which changes each time you connect your Internet service provider.

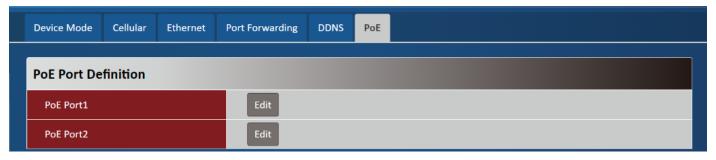




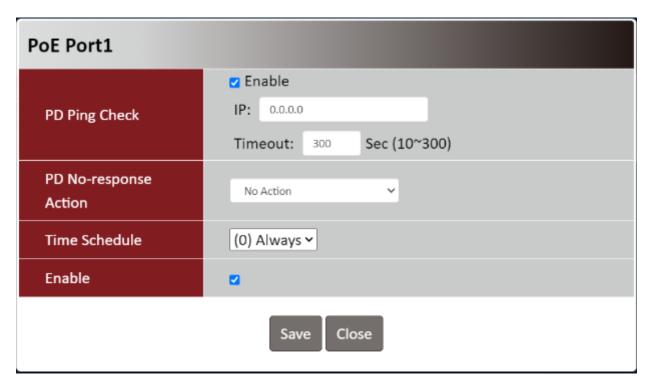
		DDNS
Item	Value setting	Description
DDNS	The box is unchecked by default	Check the Enable box to activate this function.
Provider	DynDNS.org is set by default	Select your DDNS provider of Dynamic DNS. It can be DynDNS.org , NO-IP.com , TZO.com etc
Host Name	 String format can be any text A Must-fill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

	2. A Must-fill setting	
Password / Key	 String format can be any text A Must-fill setting 	Enter your Password or Key ofDDNS Service.

3.1.6 PoE



			PoE Port Definition
	Item	Value setting	Description
Port		The box is unchecked by default	Check the Edit box to activate Poe function.



		PoE Port Definition
Item	Value setting	Description
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. <u>Value Range</u> : 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	Select one is set by default	if you have set other schedule rules, there will be other options to select.

Enable	The box is unchecked	Check the Enable box to activate Poe function.
Lilable	by default	

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 incoming packets to different peer gateways based on the routing table. You need to define the static routing information in gateway routing rule list.

As shown in the diagram, when the destination is Google access, rule 1 set interface as Cellular, routing gateway as ISP gateway 192.168.121.253. All the packets to Google will go through WAN-1.



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

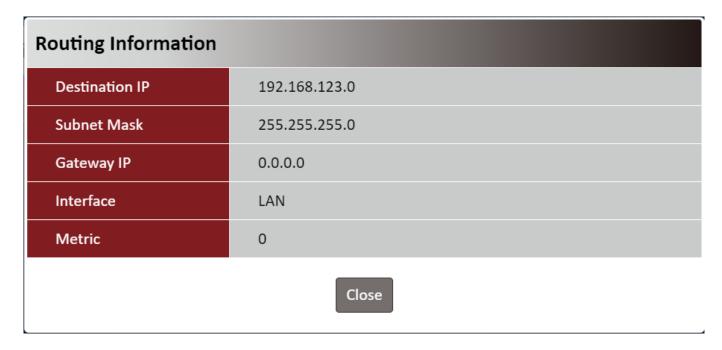
Static Routing Rule Configuration		
Name		
Destination IP		
Subnet Mask		
Gateway IP		
Interface	LAN	
Metric		
Rule	□ Enable	
	Save Close	

	Static I	Routing Rule Configuration
Item	Value setting	Description
Name	The box is unchecked	Check the Enable box to activate this function.
	by default	Click Add will pop-up Static Routing Rule Configuration page.
Destination IP	1. IPv4 Format	Specify the Destination IP of this static routing rule.
Destination ii	2. A Must-fill setting	specify the Destination if of this static routing rule.
Subnet Mask	1.255.255.255.0 (/24) is	Specify the Subnet Mask of this static routing rule.
Subfict Wask	set by default	specify the subhet Mask of this static fouting fule.
Gateway IP	1. IPv4 Format	Specify the Gateway IP of this static routing rule.
Gateway II	2. A Must-fill setting	specify the Gateway is of this static routing rule.
Interface	Lan is set by default	Select the Interface of this static routing rule. use the available WAN /
Interrace	Lair is set by default	LAN interfaces.
	1. Numberic String	The Metric of this static routing rule.
Metric	Format	-
	2. A Must-fill setting	Value Range: 0 ~ 255.
Rule	The box is unchecked	Click the Enable to activate static routing functions
Nuic	by default.	Click the Enable to activate static routing functions.

3.2.2 Routing Information

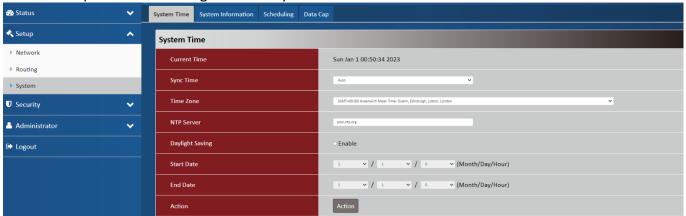


		Routing Information
Item	Value setting	Description
192.168.123.0	192.168.123.0 by	Show default routing and static routing rule list
192.100.125.0	default	Show default routing and static routing rule list

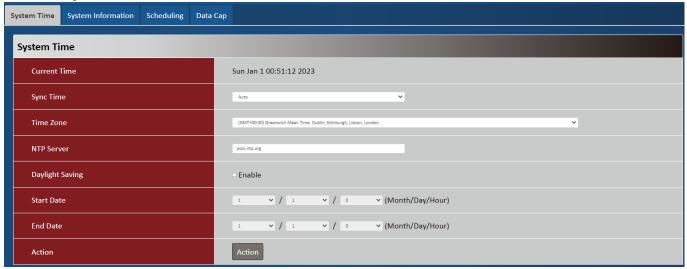


3.3 System

This section provides the configuration of system features.

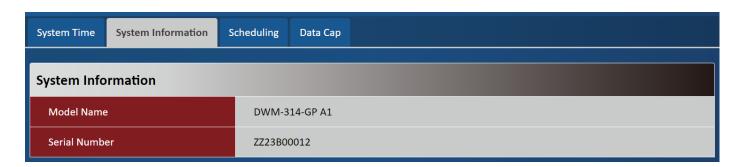


3.3.1 System Time



		System Time
Item	Value setting	Description
Current Time	N/A	Show the current time of the unit.
Sync Time	 A Must-fill item. Auto is selected by default. 	When select Auto , unit will sync the time via cellular cell, and 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	 A Must-fill item. GMT+00:00 is selected by default. 	Select a time zone where this device locates.
NTP Server	1. A Must-fill item.	Indicates which NTP server will be used of the time synchronization.
Daylight Saving	 It is an optional item. Unchecked 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

3.3.2 System Information

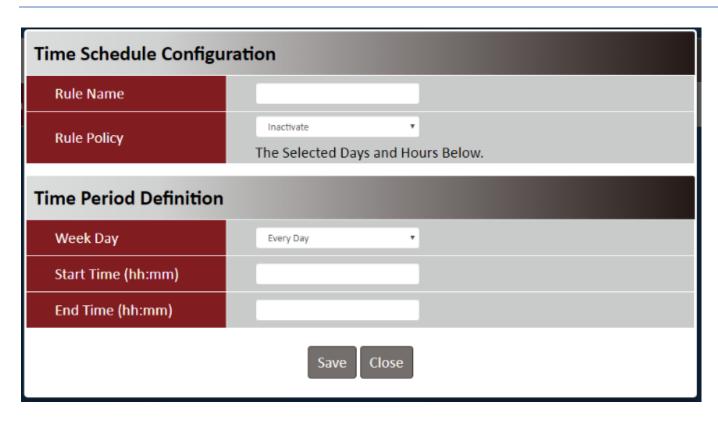


	9	System Information
Item	Value setting	Description
Model Name	DWM-314-GP	Show the model name of the device

3.3.3 Scheduling



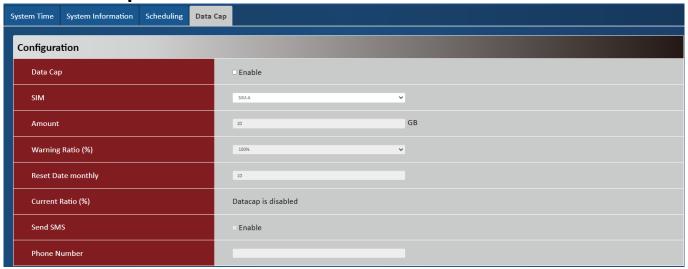
		Scheduling
Item	Value setting	Description
Time Schedule	N/A	Press Add to create a schedule rule for system.



Time Schedule	e 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	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	

3.3.4 Data Cap



Configuration	on	
Item	Value Setting	Description
Data Cap	Unchecked by default.	Check the Enable box to activate the Data cap function.
SIM	SIM A by default.	Specify SIMA or SIMB
Amount	1. An Optional setting.	Specify the allowable data limitation for the defined cycle period
Warning Ration(%)	100 % by default.	Send a notification when a set condition is met
Reset Date monthly	 1.10by default. 2. An Optional setting. 	Specify a certain day of each month as the periodic execution of reset data
Current Ratio(%)	0 by default	
Send SMS	unchecked by default.	Check the Enable box to activate the connection restriction function.
Phone Number	1. An Optional setting.	When send sms is Enable, can Set the sending SMS object

Chapter 4 Security



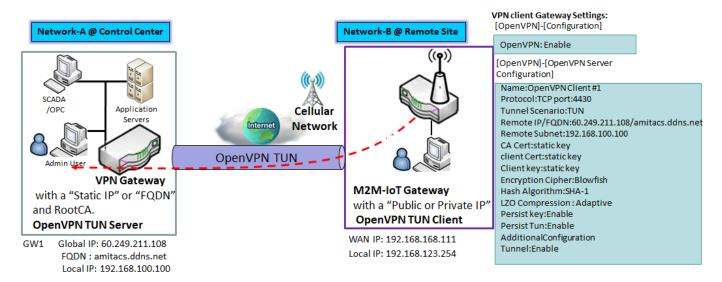
4.1 VPN



		VPN Page
Item	Value setting	Description
Openvpn	N/A	The OpenVPN setting allows user to create and configure OpenVPN
' '	·	tunnels.
WireGuard	N/A	The WireGuard setting allows user to create and configure WireGuard
VVIICOddia	IN/A	tunnels.

4.1.1 OpenVPN

If you want to offer remote access to a VPN server from client(s) and inhibit the access to remote LAN resources under VPN server, OpenVPN TUN mode is the simplest solution. OpenVPN Tun Scenario

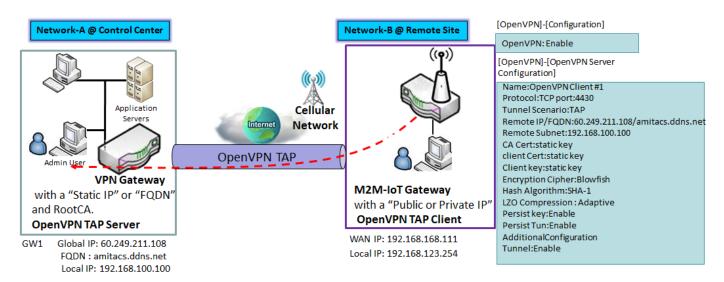


As shown in the diagram, the M2M-IoT Gateway is configured as an OpenVPN TUN Client, and connects to an OpenVPN TUN Server. Once the OpenVPN TUN connection is established, the connected TUN client will be assigned a virtual IP (10.8.0.2) which is belong to a virtual subnet that is different to the local subnet in Control Center.

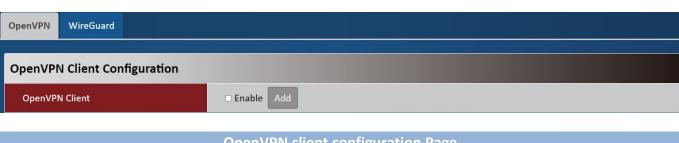
OpenVPN Tap Scenario

If you want to offer remote access to the entire remote LAN for VPN client(s), you have to setup OpenVPN

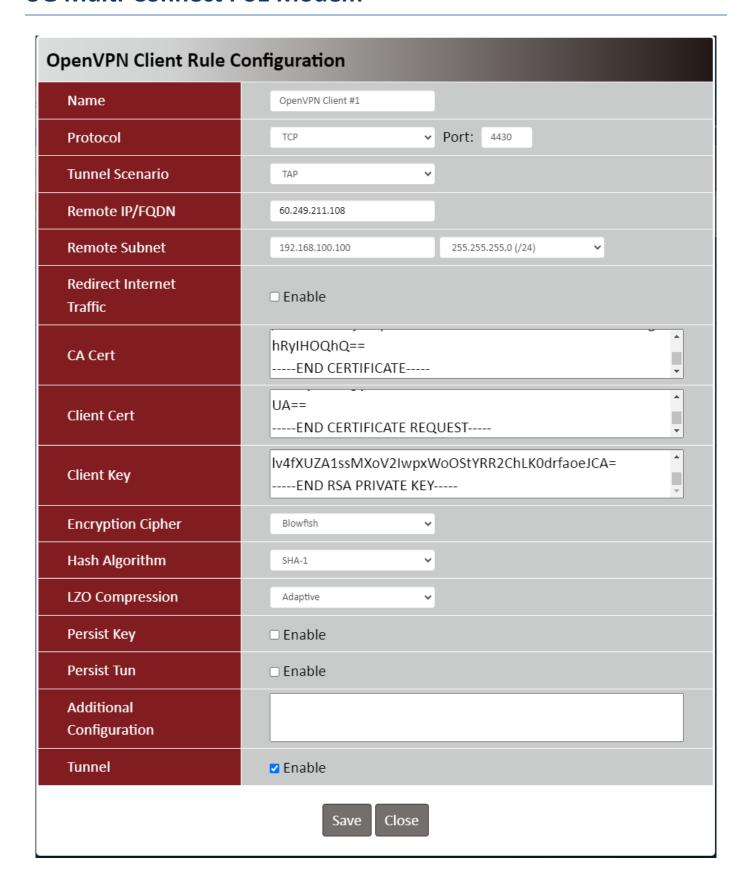
in "TAP" bridge mode.



As shown in the diagram, the M2M-IoT Gateway is configured as an OpenVPN TAP Client, and connects to an OpenVPN TAP Server. Once the OpenVPN TAP connection is established, the connected TAP client will be assigned a virtual IP (192.168.100.210) which is the same subnet as that of local subnet in Control Center.

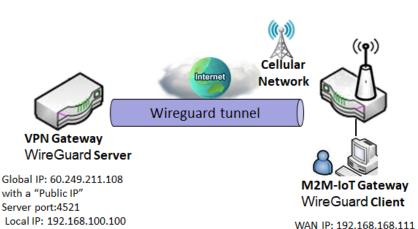


OpenVPN client configuration Page		
Item Value setting Description		
Openvpn client	The box is unchecked	Check the Enable box to activate this port forwarding function
	by default	Click Add will pop-up OpenVPN Client Rule Configuration page.



	OpenVPN	Client Rule Configuration Page
Item	Value setting	Description
	1. String format can be	
Name	any text	The name of current rule
	2. A Must-fill setting	
	A Must-fill setting	 Define the selected Protocol for connecting to the OpenVPN Server. Select TCP, or UDP The TCP protocol will be used to access the OpenVPN Server, and Port
Protocol	By default TCP is	will be set as 4430 automatically. • Select UDP
	selected.	-> The UDP protocol will be used to access the OpenVPN Server, and
		Port will be set as 1194 automatically.
		Specify the type of Tunnel Scenario for connecting to the OpenVPN
Tunnel Scenario	1. A Must-fill setting	Server. It can be TUN for TUN tunnel scenario, or TAP for TAP tunnel
	By default is selected.	scenario.
		Specify the Remote IP/FQDN of the peer OpenVPN Server for this
Remote IP/FQDN	A Must-fill setting	OpenVPN Client tunnel.
		Fill in the IP address or FQDN.
	1. An Optional setting.	Check the Enable box to activate remote subnet function, and specify
Remote Subnet	2. The box is	Remote Subnet of the peer OpenVPN Server for this OpenVPN Client tunnel.
	unchecked by default.	Fill in the remote subnet address and remote subnet mask.
	1. An Optional setting.	Till ill the remote subhet address and remote subhet mask.
Redirect internet	2. The box is	Check the Enable box to activate the Redirect Internet Traffic function.
traffic	unchecked by default.	check the Enable box to detivate the Nearlest Internet Plante Internet
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
	1. A Must-fill setting.	Charify the Framentian Cinhau from the drandown list
Encryption Cipher	2. By default Blowfish	Specify the Encryption Cipher from the dropdown list.
	is selected.	It can be Blowfish/AES-256/AES-192/AES-128/None.
Hash Algorithm	By default SHA-1 is	Specify the Hash Algorithm from the dropdown list.
nasii Aigoritiiiii	selected.	It can beSHA-1/MD5/MD4/SHA2-256/SHA2-512/None/Disable.
LZO Compression	By default Adaptive is	Specify the LZO Compression scheme.
	1. An Optional setting.	
Persist key	2. The box is checked	Check the Enable box to activate the Persis Key function.
	by default.	
	1. An Optional setting.	
Persist Tun	The box is checked Check the Enable box to activate the Persis T by default.	Check the Enable box to activate the Persis Tun function.
Additional Configuration	1. An Optional setting.	Consider the Additional Configuration
	String format: any text	Specify the Additional Configuration.
	The box is unchecked	
Tunnel	by default.	Click the Enable to activate OpenVPN functions.

4.1.2 WireGuard



VPN client Settings: [VPN]-[Wireguard] Wireguard: Enable Client:enable [VPN]-[Wireguard Configuration] interface name: Client #1 Rule:enable Name:Client#1 IP:192.168.123.100 netmask:0 Listening port:51820 Private key:default Publickey:default Postup script:default Postdown script:default Remote ip:port:60.249.211.108:4521 Remote public key:qwaweefsdgtrrtyTfD/gertGfr Enable preshared key Preshared key: Allowed lps:192.168.100.100 Local IP: 192.168.123.254

Enable keep alive : disable persistentkeepalive

WireGuard

Enable

Client Enable

Enable

		WireGuard Page
Item	Value setting	Description
Enable	The box is unchecked by default	Check the Enable box to activate this WireGuard function
Client enable	The box is unchecked by default	Check the Enable box to activate this client function Click Add will pop-up Interface page



		interface Page
Item	Value setting	Description
name	A Must-fill setting	Specify a name as the identifier of the client.



		Rule Page
Item	Value setting	Description
Name	N/A	Check the Edit box to activate this WireGuard function
Ivaille	IN/A	Check the Delete box to delete Rule

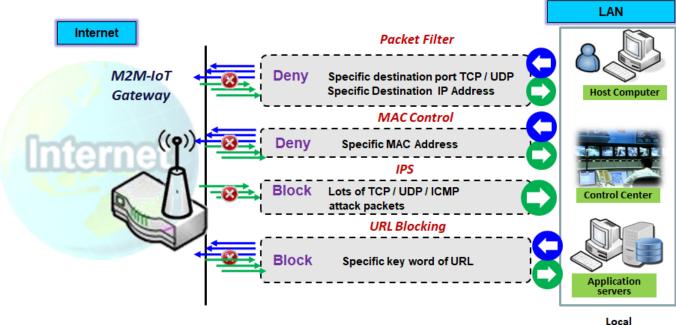
Interface	
Rule	☑ Enable
Name	Client#1
IP	192.168.123.100
Netmask	0
Listening Port	51820
Private Key	APzy78gjd6rUMIDNiIAbZav27jKROtk/v0LZwDja7Fk=
Public Key	JIDX8OZThzDvmE6MdgZ1Bd7TpsYy11WuCtAVmCcgplU=
Postup Script	
Postdown Script	

		Interface Page
Item	Value setting	Description
Rule	The box is unchecked	Check the Enable box to activate this WireGuard function
Kule	by default	Check the Enable box to activate this wireGuard function
Name	A Must-fill setting.	Specify a name as the identifier of the client.
IP	A Must-fill setting.	Specify the server IP.
Netmask	0 by default	Specify the Netmask setting for the WireGuard server
Listening Port	51820 by default	Indicate the listening port of UDP connection.
Private Key	N/A	randomly generate client Private key
Public Key	N/A	randomly generate server Public key
Postup script	Blank is set by default	When the VPN service starts, the instructions to be executed are
		required
Postdown script	Diaminia ant burdafault	When the VPN service starts, the instructions to be executed are
	Blank is set by default	required

Peer	
Remote IP:Port	60.249.211.108:5
Remote Public Key	qwaweefsdgtrrtyTfD/gertGfr
Enable Preshared Key	ø Enable
Preshared Key	upXhcPSJB8Fkbea40E/md8TMwoE
Allowed Ips	192.168.100.100
Enable Keep Alive	□ Enable
Persistent Keepalive	0
	Save Close

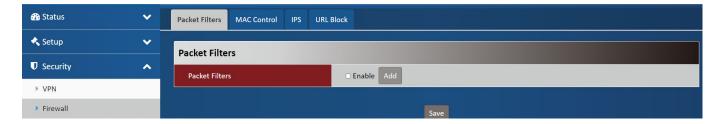
		peer Page
Item	Value setting	Description
Remote IP :Port	A Must-fill setting.	Specify the remote IP and port
Remote Public key	A Must-fill setting.	Specify the server public key
Enable Preshared key	The box is unchecked by default	Check the Enable box to activate this Preshared key function
Preshared key	N/A	randomly generate Preshared key
Allowed IPs	Blank is set by default	server LAN network segment
Enable keep Alive	The box is unchecked by default	Check the Enable box to activate this keep Alive function
Persistent keep alive	0 by default	Set connection confirmation interval

4.2 Firewall



Local Access & Control

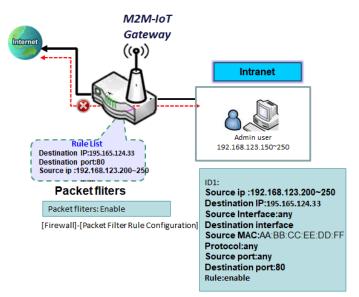
The firewall functions include Packet Filter, URL Blocking, MAC Control, IPS and some firewall options.



4.2.1 Packet Filters

"Packet Filter" function can let you define some filtering rules for incoming and outgoing packets. So the gateway can control what packets are all blocked to pass through it. A packet filter rule should indicate from and to which interface the packet enters and leaves the gateway, the source and destination IP addresses, and destination service port type and port number. In addition, the time schedule to which the rule will be active

Packet Filter Scenario

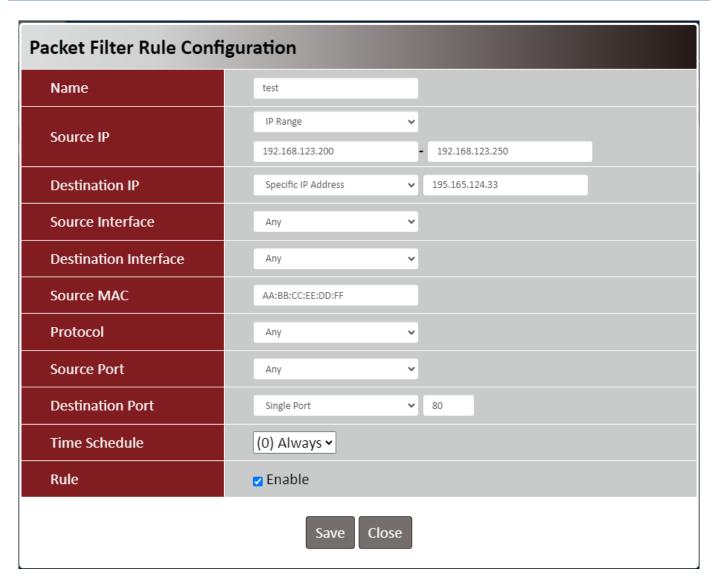


As shown in the diagram, specify "Packet Filter Rule List" (block those match the following rules) and define the rules. Rule-1 is to block HTTP packets to pass, and Packets other than Rule1 let it pass through.

Under such configuration, the gateway will a block only HTTP packets, issued from the IP range 192.168.123.200 to 250



Packet Filters Page		
Item	Value setting	Description
Packet filters	The box is unchecked	Check the Enable box to activate this Packet filter function
Packet lillers	by default	Click Add will pop-up Packet Filter Rule configuration page



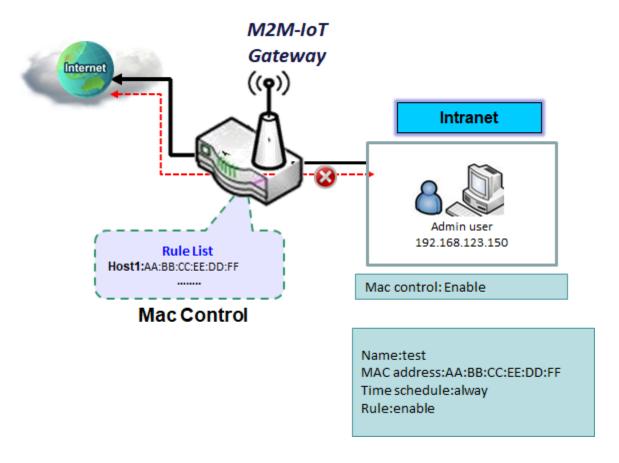
Packet Filter Rule Configuration Page		
Item	Value setting	Description
Name	 String format can be any text A Must-fill setting 	Enter a packet filter rule name. Enter a name that is easy for you to remember.
Source IP	 A Must-fill setting By default Any is selected 	This field is to specify the Source 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	 A Must-fill setting 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	 A Must-fill setting 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 LANfor this field. Select Any to filter packets coming into the router from any interfaces.

Destination interface	 A Must-fill setting By default Any is selected 	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 their select WAN for this field. Select Any to filter packets leaving the router from any interfaces.
Source MAC	1.optional	specify the Source MAC address.
Protocol	 A Must-fill setting By default Any is selected 	For Protocol , select Any to filter any protocol packets For Protocol , select TCP to filter tcp packets For Protocol , select udp to filter udp packets For Protocol , select both to filter both packets For Protocol , select ICMP to filter ICMP packets For Protocol , select GRE to filter GRE packets For Protocol , select AH to filter AH packets For Protocol , select ESP to filter ESP packets For Protocol , select SCT to filter SCT packets
Source port	 A Must-fill setting By default Any is selected 	This field is to specify the Source port . Select Any to filter packets coming from any port. Select single port to Specify a unique port for the packets come to the port. Select port Range to filter packets coming from a specified range of port.
Destination port	 A Must-fill setting By default Any is selected 	This field is to specify the destination port . Select Any to filter packets coming from any port. Select single port to filter a unique port for the packets come to the port. Select port Range to filter packets with a specified destination port range.
Time schedule	 An optional setting (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

4.2.2 MAC Control

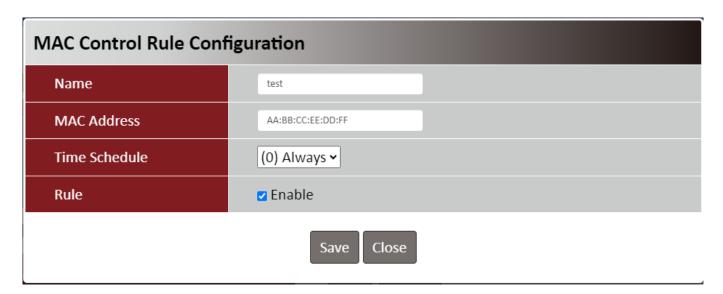
When the administrator wants to reject the traffics from some client hosts with specific MAC addresses, he can use the "MAC Control" function to reject with the black list configuration.

Mac control Scenario



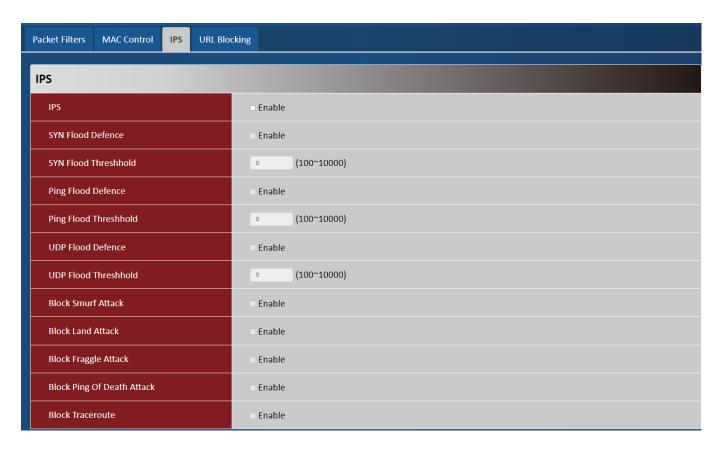


		Mac Control Page
Item	Value setting	Description
Mac control	The box is unchecked	Check the Enable box to activate this Mac control function
Tride control	by default	Click Add will pop-up Mac control Rule configuration page



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

4.2.3 IPS



		IPS Page
Item	Value setting	Description
IPS	The box is unchecked by default	Check the Enable box to activate this IPS function
SYN Flood Defense	The box is unchecked by default	Check the Enable box to activate this SYN Flood Defense function
SYN Flood Threshold	 A must-fill setting Traffic threshold is set to 0 by default The value range can be from 100 to 10000. 	Specify the value range to block
Ping Flood Defense	The box is unchecked by default	Check the Enable box to activate this Ping Flood Defense function
Ping Flood Threshold	 A must-fill setting Traffic threshold is set to 0 by default The value range can be from 100 to 10000. 	Specify the value range to block
UDP Flood Defense	The box is unchecked by default	Check the Enable box to activate this UDP Flood Defense function
UDP Flood Threshold	 A Must-fill setting Traffic threshold is set to 0 by default The value range can be from 100 to 10000. 	Specify the value range to block

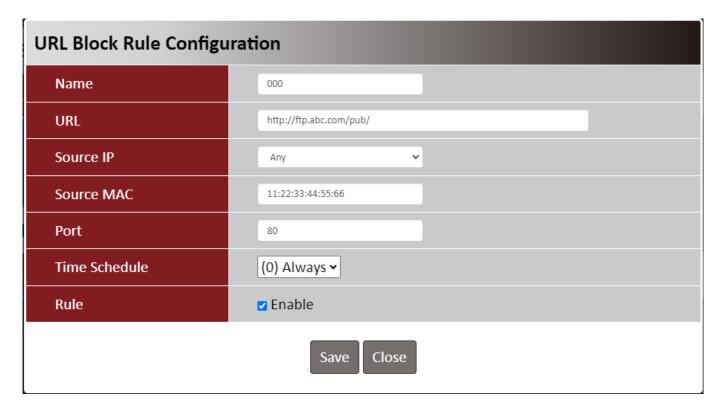
Block Smurf Attack	The box is unchecked by default	Check the Enable box to activate this Block Smurf Attack function
Block Land Attack	The box is unchecked by default	Check the Enable box to activate this Block Land Attack function
Block Fraggle Attack	The box is unchecked by default	Check the Enable box to activate this Block Fraggle Attack function
Block Ping Of Death Attack	The box is unchecked by default	Check the Enable box to activate this Block Ping Of Death Attack function
Block Traceroute	The box is unchecked by default	Check the Enable box to activate this Block Traceroute function

4.2.4 URL Block

"URL Blocking" function can let you define blocking rules for incoming and outgoing Web request packets. With defined rules, gateway can control the Web requests containing the complete URL.



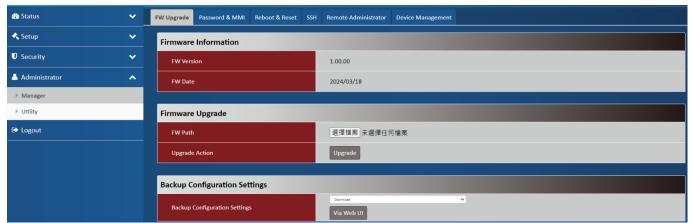
		URL Block Page
Item	Value setting	Description
URL Block	The box is unchecked	Check the Enable box to activate this URL Block function
ONL BIOCK	by default	Click Add will pop-up URL Block Rule configuration page



	URL Bloc	k Rule Configuration Page
Item	Value setting	Description
Name	 String format can be any text A Must-fill setting 	Specify an URL Blocking rule name. Enter a name that is easy for you to understand.
URL	Blank is set by default	Specify URL, Domain Name, or Keyword list for URL checking.
Source IP	1.A Must-fill setting Any is set by default	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 entered in this field. Select IP Range to filter packets coming from a specified range of IP address entered in this field.
Source MAC	Blank is set by default	This field is to specify the Source MAC address .
port	Blank is set by default	This field is to specify the port
Time schedule	 An optional setting (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 URL Block function

Chapter 5 Administrator

5.1 Manager

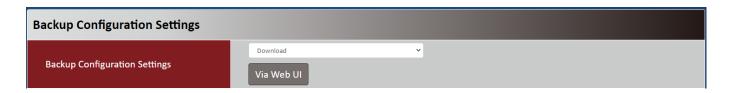


5.1.1 FW Upgrade

Firmware Information			
FW Version	0000	9A0.N51_a51.0000_05181400	
FW Date	2023,	/05/18	
	Firmware Information		
Item	Value settir	ng 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		
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

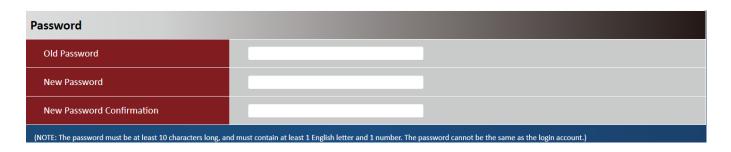


Backup Configuration Settings		
Item	Value setting	Description
Backup Configuration Settings	Download is selected by default	You can backup or restore the device configuration settings by clicking the <i>Via Web UI</i> button. Select "Download" to backup current configuration to a file. Select "Upload" to restore configuration from selected file.

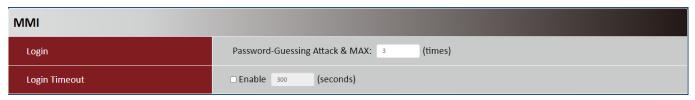
5.1.2 Password & MMI



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

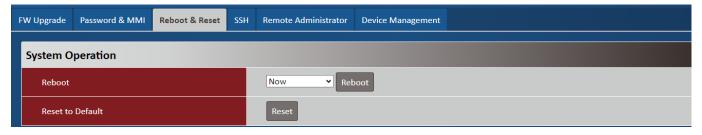


		Password
Item	Value setting	Description
Old Password	 String: any text The default password for web- based MMI is 'admin'. 	Enter the current password to enable you unlock to change password.
New Password	String: any text	Enter new password
New Password Confirmation	String: any text	Enter new password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



		MMI
Item	Value setting	Description
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	Check the Enable box to activate the auto logout function, and specify the maximum idle time as well.
	by default.	<i>Value Range</i> : 30 ~65535.

5.1.3 Reboot & Reset



System operation		
Item	Value setting	Description
Reboot	Now is selected by default	Chick 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

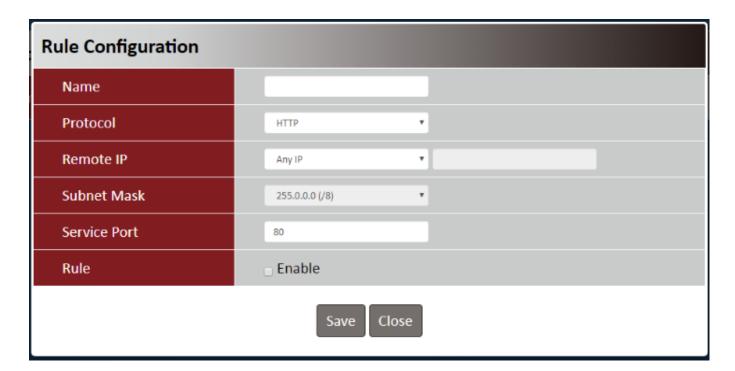


		SSH
Item	Value setting	Description
SSH	 Default value is disable such service By default Service Port is 22. 	Check the Enable box to activate the SSH Telnet function for connecting from LAN or WAN interfaces. You can set which number of Service Port you want to provide for the corresponding service. <u>Value Range</u> : 1 ~65535.

5.1.5 Remote Administrator



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



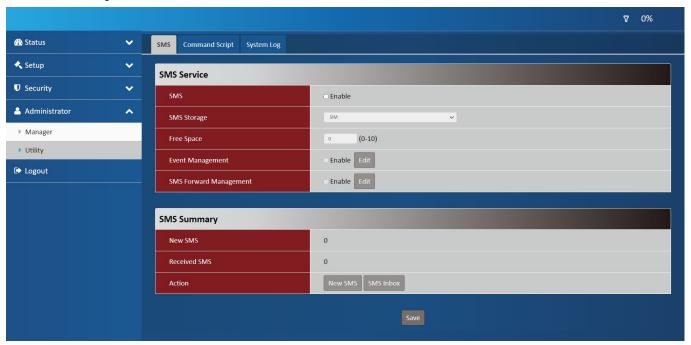
Rule Configu	Rule Configuration		
Item	Value setting	Description	
Name	String: any text	Set rule name	
Protocol	HTTP is set by default	Select HTTP or HTTPS method for router access.	
		This field is to specify the remote host to assign access right for remote	
Remote IP	A Must-fill setting Any IP by default	access.	
Remote ir		Select Any IP to allow any remote hosts	
		Select Specific IP to allow the remote host coming from a specific subnet.	
Subnet Mask	ot Mack	When Select Specific IP to allow the remote host coming from a specific	
Subilet Wask	255.0.0.0/8 by default	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	Click Enable box to activate this rule.	
	default.		

5.1.6 Device management

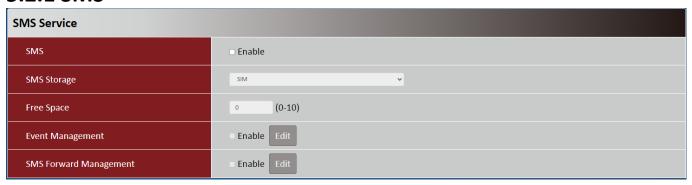


		configuration	
Item	Value setting Description		
Device management	The box is unchecked by default	Check the Enable box to activate this Device management function	
Input service URL	Blank is set by default Specify ANMS service domain name URL		
Input server IP stun traffic	Blank is set by default	Specify ANMS server public IP 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



5.2.1 SMS



		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	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	
SMS forward management	The box is unchecked by default	Check the Enable box to activate this SMS function Click edit will pop-up sms forward configuration page	

Account Configuration	
Phone Number#1	
Application	□ Managing □ Notifying
Enable	
Phone Number#2	
Application	□ Managing □ Notifying
Enable	
Managing Events	
Cellular Status	□ Enable
Cellular Reconnect	□ Enable
Reboot	□ Enable
Notifying Events	
Cellular Connected	□ Enable
Cellular Disconnected	□ Enable
	Save Close

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 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 Check the Enable box to activate this Notifying Events 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	Check the Enable box to activate this SMS notification function
Cellular Reconnect	The box is unchecked by default	Check the Enable box to activate this SMS notification function
Reboot	The box is unchecked by default	Check the Enable box to activate this SMS notification function

		Notifying Events
Item	Value setting	Description
Cellular Connected	The box is unchecked by default	Check the Enable box to activate this SMS notification function
Cellular Disconnected	The box is unchecked by default	Check the Enable box to activate this SMS notification function

SMS Forward Configuration					
Phone Number					
Enable					
		Save	Close		

SMS forward configuration			
Item	Value setting	Description	
Phone number	1. A Must-fill setting	Sender Phone Number for the received SMS	
Phone number	2.Any string		
Enable	The box is unchecked	Check the Enable box to activate the SMS function.	
Enable	by default		

SMS Summary	
New SMS	0
Received SMS	0
Action	New SMS 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-up new sms page	
Action		Click sms inbox will pop-up sms inbox page	

New SMS	
Receiver	(Use '+' for International Format and ';' to Compose Multiple Rec
Text Message	Current Input Length: 0/512
Action	Send Clear

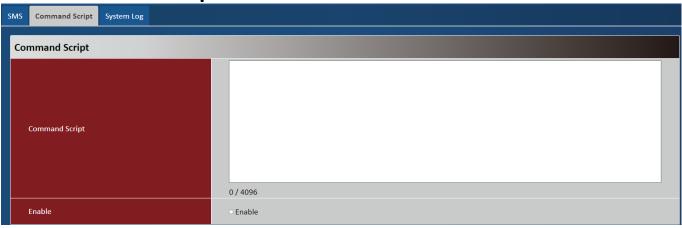
Close

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		Click the Send button, above text message will be sent as a SMS. Click the clear button, to clear text message		

SMS Inbox	
None	

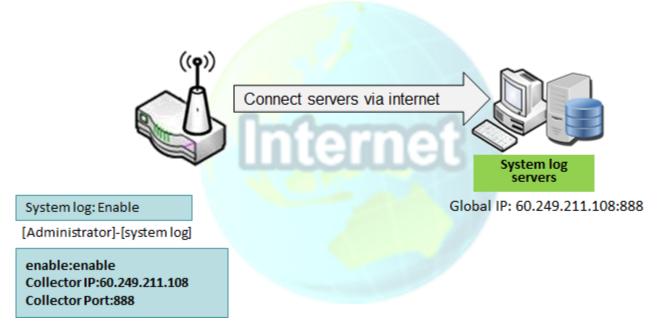
	SMS inbox		
	Item	Value setting	Description
none		N/A	read or delete SMS, reply SMS or forward SMS from this screen.

5.2.2 Command Script



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.		

5.2.3 System log





System log				
Item	Value setting	Description		
Enable	The box is unchecked by default	Check the Enable box to activate the system log function		
Collector IP	0.0.0.0 by default	Specify System log server IP		
Collector Port	0 by default	Specify System log server port		