Quick Start

4G/4G+ Outdoor

WL-ODU300

WLINK

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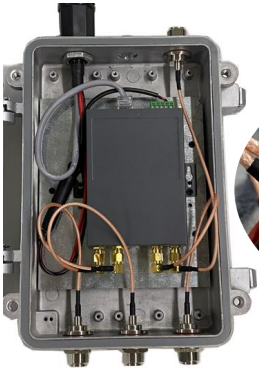


Mount Kits Installation


WLINK
4G+ Outdoor
Wi-Fi
PoE


WLNK

LED Status

LED	Indicator		Note
NET	Color	Green	Good Signal
		Red	Poor Signal
	Status	Quick Blinking (0.5s)	Offline
		Slow Blinking (1.5s)	3G online
		Solid light	4G online
WLAN	Green	Solid light	WLAN port open, but no data sending.
	Green	Blinking quickly	Data is in transmitting
	Green	Extinguished	WLAN port isn't opened
LAN(WAN)	Green	Solid light	Connection ok
	Green	Blinking	Data Sending
	Green	Extinguished	Not connection

Login

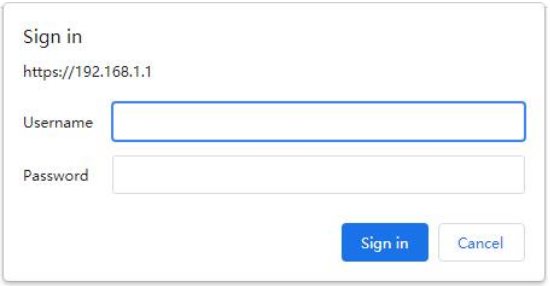
To access and configure certain features of the WL-ODU300, one needs to log in to the WL-ODU300. Connect one Ethernet cable to PoE interface of device and PoE adapter, and connect other Ethernet cable between LAN of PoE adapter and PC.

Click “start > control panel”, find “Network Connections” icon and double click it to enter, select “Local Area Connection” corresponding to the network card on this page. Refer to the figure below.

Figure 2-1 Network Connection

Obtain a IP address automatically or set up IP address,192.168.1.xxx(XXX can be any number between 2～254)

Enter the default IP Address as https://192.168.1.1 the login page will open as shown in the figure below.



User name: admin

Password: Printed on the WL-ODU300 Label.

Overview

The overview GUI will be display router system information, Ethernet ports status, VPN connection status, LAN information, 4G connection information and WLAN information.

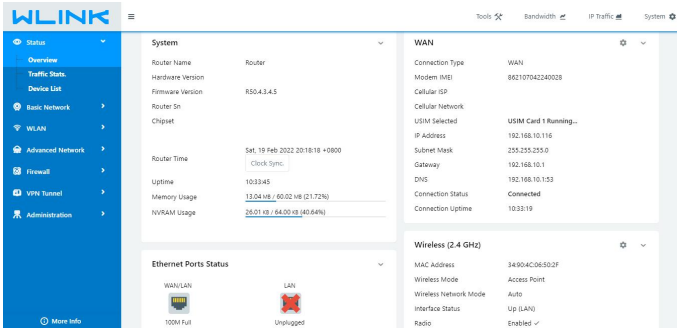


Figure 2-2 Router Status GUI

Traffic Stats.

Click Status->Traffic Stats. to enter the traffic stats.GUI.to check Cellular/WAN traffic in real-time.

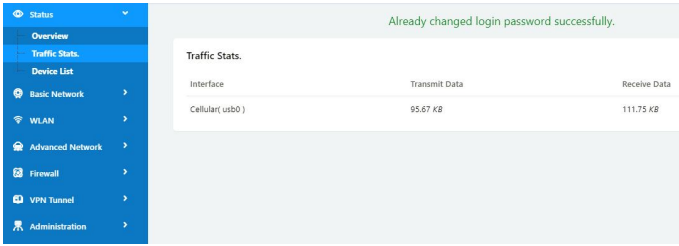


Figure 2-3 Traffic Stats. GUI

Device List

Click Status->Device List to enter the device list GUI.to check the connected devices information in the list.

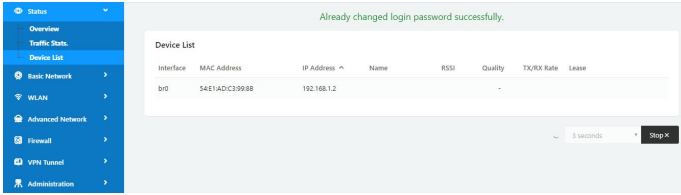


Figure 2-4 Device List GUI

Tool Column

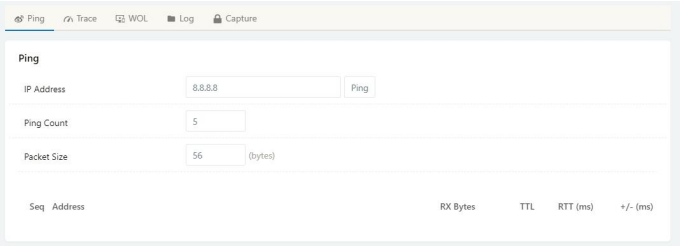
Figure 2-5 Tool Column GUI

Tools

Ping

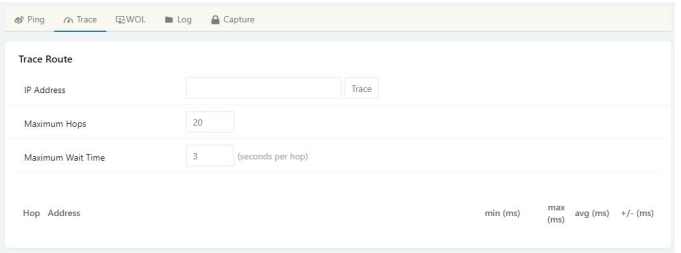
Click Tools->Ping to enter ping test GUI. Used to test the reachability of a host on an

Internet IP network and to measure the round-trip time for messages sent from the originating host to a destination server.



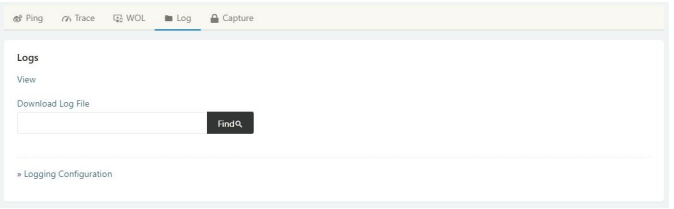
Trace

Click Tools->Trace to enter trace test GUI. diagnostic tool for displaying the routeand measuring transit delays of packets across an Internet IP network.



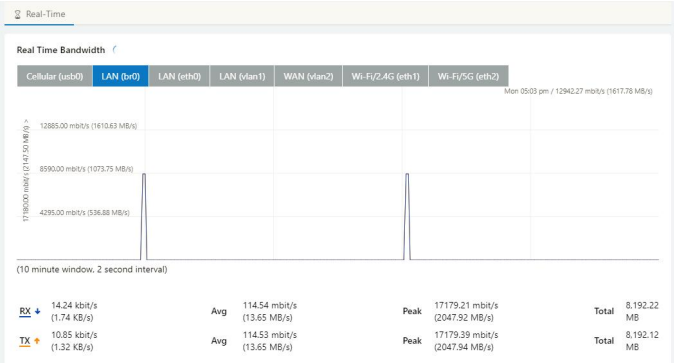
Log

Click Tools-> Log to enter Log GUI. Use to check logs in GUI, download GUI and send logs to server.



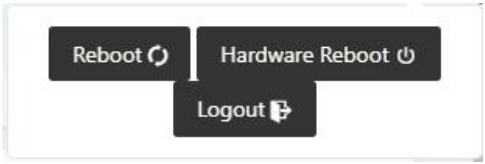
Bandwidth

Click Bandwidth to enter bandwidth graphic GUI. Used to check cellular/LAN/Wi-Fi real-time bandwidth.



System

Click system to choose software reboot, hardware reboot and logout GUI.



Basic Network

WAN Setting

Step 1 Basic Network>WAN to enter below interface.

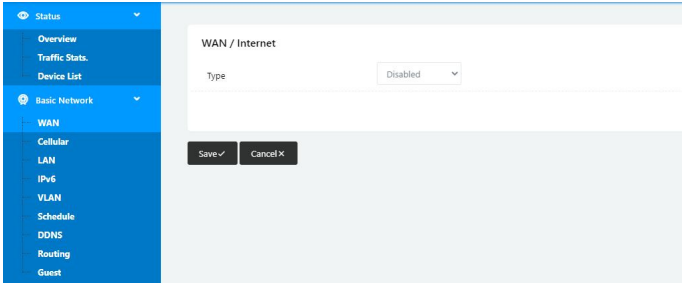


Table 2-1 WAN Setting Instruction

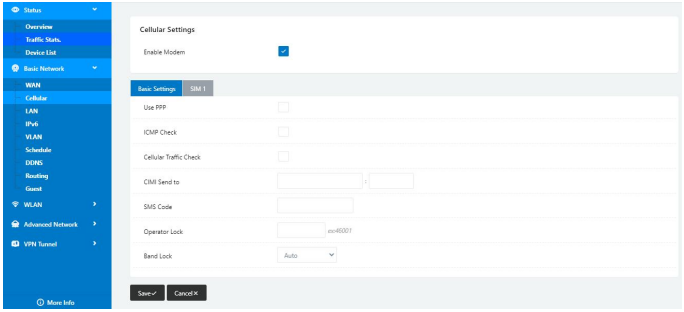
Parameter	Instruction
Type	Support DHCP, PPPoE, Static IP address

Step 2 After setting, please click “save” to finish, the device will reboot.

----End

Cellular Setting

Step 1 Basic Network-> Cellular, you can modify relevant parameter according to the application.



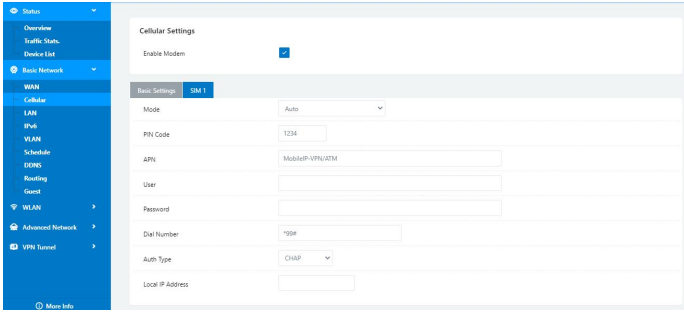


Table 2-2 Cellular Setting Instruction

Parameter	Instruction
Enable Modem	Enable/Disable 4G mode.
Use PPP	ECM dialup as default and PPP optional.
ICMP check	If enable ICMP check and setup a reachable IP address as destination IP, the router will reconnect/reboot once ICMP check failed.
Cellular Traffic	The router will reconnect/reboot once there's no Rx/Tx

Parameter	Instruction
Check	data.
CIMI Send to	Send CIMI to a defined IP and port by TCP protocol.
SMS Code	Remote control the router by SMS. Only the configured SMS code will work.
Operator Lock	Lock a specified operator for the router by MCC/MNC code.
Band Lock	Lock a specified band.
Connect Mode	【Auto】The router will automatically connect to 3G/4G networks and give priority to 4G. 【LTE】Router will connect to 4G only. 【3G】Router will connect to 3G only.
Pin Code	Some SIM cards are locked with a Personal Identification Number (PIN) code in case they are lost or stolen.
APN	APN is provided by local ISP, usually CDMA/EVDO networks do not need this parameter.
User	SIM card user name is provided by ISP
Password	SIM card password is provided by ISP
Auth. Type	Auto/PAP/Chap/MS-Chap/MS-Chapv2 authentication optional.
SIM Local IP Address	Fix SIM IP. The feature is available if carrier can provide this service.

Step 2 After setting, please click “save” to finish, the device will reboot.

----End

LAN Setting

Step 1 Basic Network>LAN to enter below interface

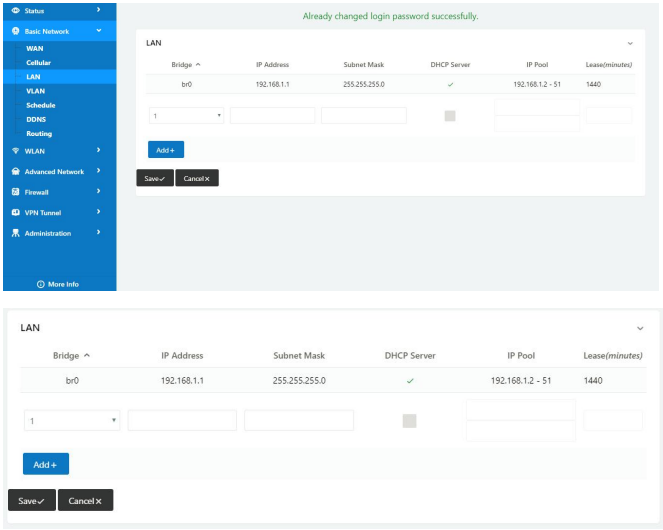


Table 2-3 LAN Setting Instruction

Parameter	Instruction
Bridge	Supports 4 LAN IP address for br0 to br3 interface. If need to support VLAN, please go to VLAN GUI.
Router IP Address	Router IP address, default IP is 192.168.1.1
Subnet Mask	Router subnet mask, default mask is 255.255.255.0
DHCP	Dynamic allocation IP service, after enable, it will show the IP address range and options of lease
IP Pool	IP address range within LAN
Lease	The valid time, unit as minute

Parameter	Instruction
Add	Add LAN IP address, supports 4 LAN IP addresses.

Step 2 After setting, please click “save” to finish, the device will reboot.

----End

VLAN

Step 1 Basic Network->VLAN to enter the VLAN setting page.

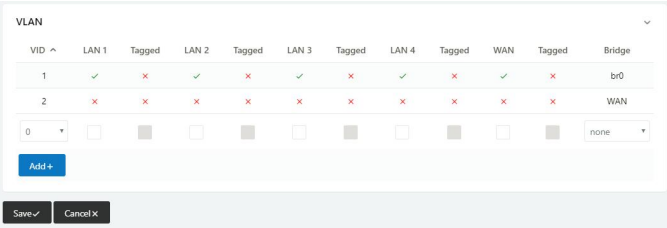


Table 2-4 LAN Setting Instruction

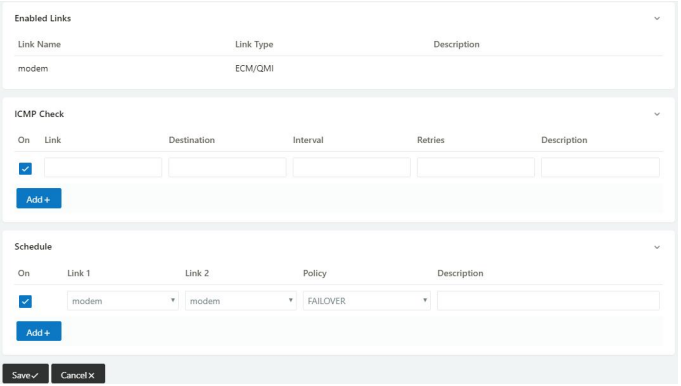
Parameter	Instruction
VID	VLAN ID number. The VID range is from 1 to 15.
LAN1~LAN4, WAN	LAN
Tagged	Enable to make router can encapsulate and de-encapsulate the VLAN tag.
Bridge	Routers interface br0, br1, br2, br3 and WAN

Step 2 Please Click “Save“ to finish.

----End

Schedule

Step 1 Basic Network->VLAN to enter the Schedule setting page.



Step 2 Please Click “Save“ to finish.

----End

Dynamic DNS Setting

Step 1 Basic Network->DDNS to enter the DDNS setting page.

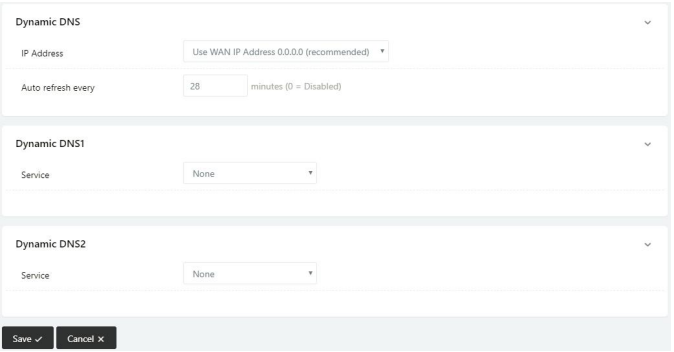


Table 2-5 DDNS Setting Instruction

Parameter	Instruction
IP address	Default is standard DDNS protocol, for customized protocol. Usually, use default IP 0.0.0.0
Auto refresh time	Set the interval of the DDNS client obtains new IP, suggest 240s or above
Service provider	Select the DDNS service provider that listed.

Step 2 Please Click “Save“ to finish.

----End

Routing Setting

Step 1 Basic Network->Routing to enter the DDNS setting GUI.

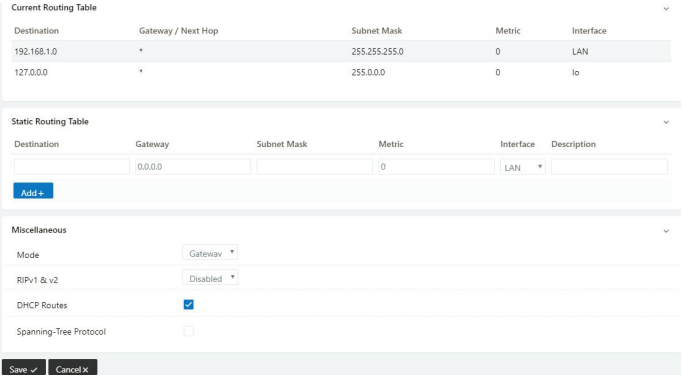


Table 2-6 Routing Setting Instruction

Parameter	Instruction
Destination	Router can reach the destination IP address.
Gateway	Next hop IP address which the router will reach
Subnet Mask	Subnet mask for destination IP address
Metric	Metrics are used to determine whether one particular route should be chosen over another.
Interface	Interface from router to gateway.
Description	Describe this routing name.

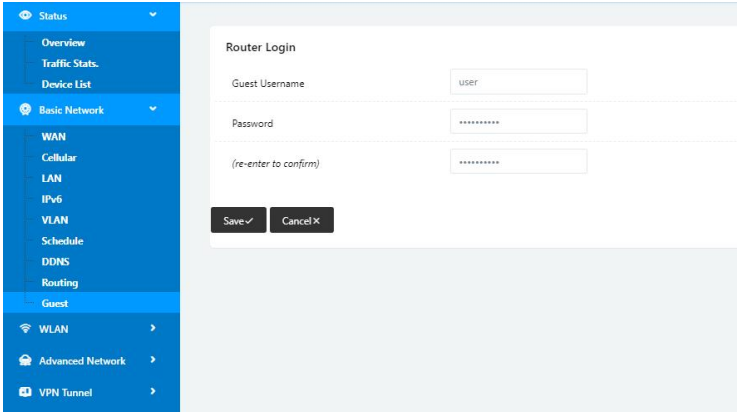
Step 2 Please Click “ Save “ to finish.

----End

Guest

Step 1 Basic Network->Guest to enter the account GUI.

In this page, you can configure the basic web parameter, make it more convenient for usage. Please note the “password” is the router user account password.



Step 2 Please click save iron to finish the setting.

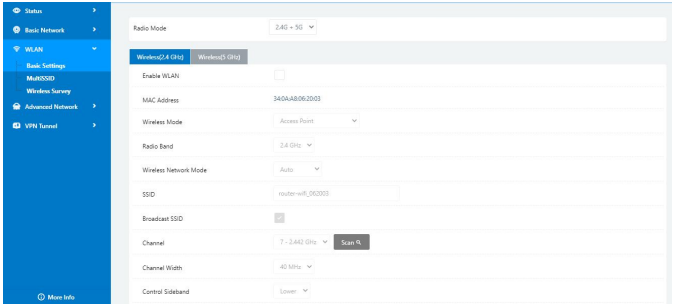
----End

WLAN Setting

It’s mainly for router which support Wi-Fi, you can modify and configure WLAN parameter through Web GUI, below is the common setting.

Basic Setting

Step 1 WLAN->Basic Setting to configure relative parameter



Parameter	Instruction
Radio Mode	2.4G+5G mode as default. Support 2.4G, 5G modes optional. 2.4G+5G model, Wi-Fi bandwidth for 683Mbps 2.4G model, Wi-Fi bandwidth for 300Mbps 5G model, Wi-Fi bandwidth for 866Mbps
Enable wireless	Enable or Disable the Wireless
Wireless mode	Support AP mode.
Wireless Network protocol	Support Auto/b/g/n optional for 2.4G. Support Auto/A/N optional for 2.5G.
SSID	The default is router, can be modified as per application.
Channel	The channel of wireless network, suggest keep the default
Channel Width	20MHz and 40MHz alternative for 2.4G. 20MHz, 40MHz and 80MHzalternative for 2.4G.

Security	Support various encryption method as requested.

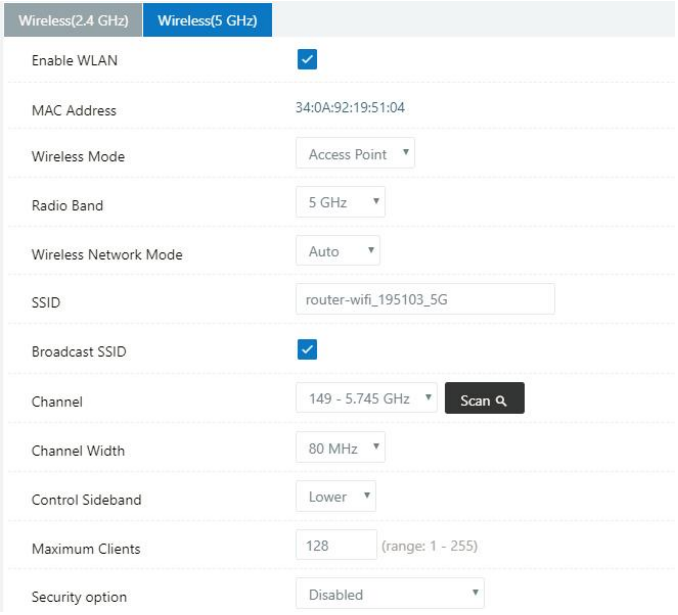


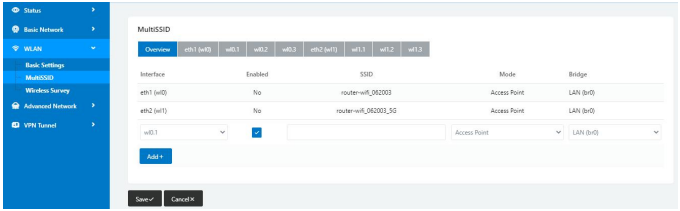
Table 2-7 Basic of WLAN Setting Instruction

Step 2 Please click “Save” to finish.

----End

MultiSSID

Step 1 WLAN->MultiSSID Setting to configure relative parameter

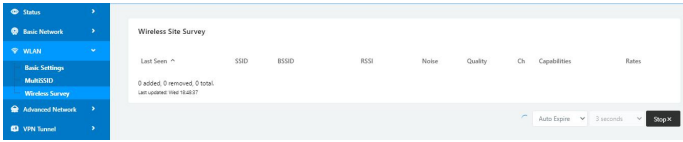


Step 2 Please click “Save” to finish.

----End

Wireless Survey

WLAN> Wireless Survey to check survey.



Advanced Network Setting

Port Forwarding

Step 1 Advanced Network > Port Forwarding to enter the GUI, you may modify the router name, Host name and Domain name according to the application requirement.

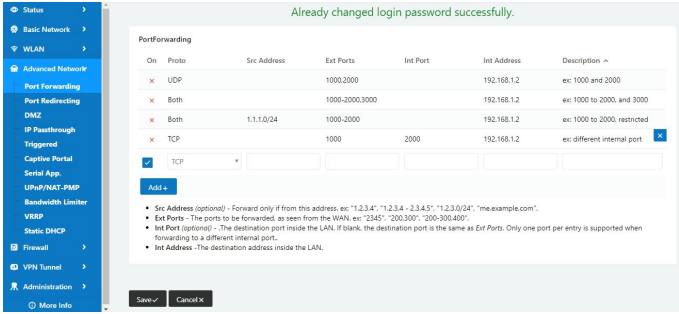


Table 2-8 Port Forwarding Instruction

Parameter	Instruction
Protocol	Support UDP, TCP, both UDP and TCP
Src. Address	Source IP address. Forward only if from this address.
Ext. Ports	External ports. The ports to be forwarded, as seen from the WAN.
Int. Port	Internal port. The destination port inside the LAN. If blank, the destination port is the same as Ext Ports. Only one port per entry is supported when forwarding to a different internal port.
Int. Address	Internal Address. The destination address inside the LAN.
Description	Remark the rule

Step 2 Please click "save" to finish

----End

DMZ Setting

Step 1 Advanced Network> DMZ to check or modify the relevant parameter.

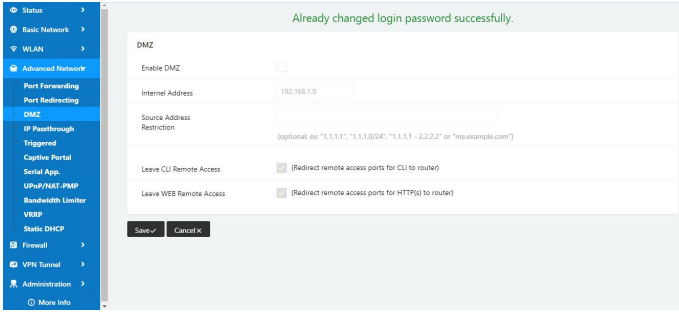


Table 2-9 DMZ Instruction

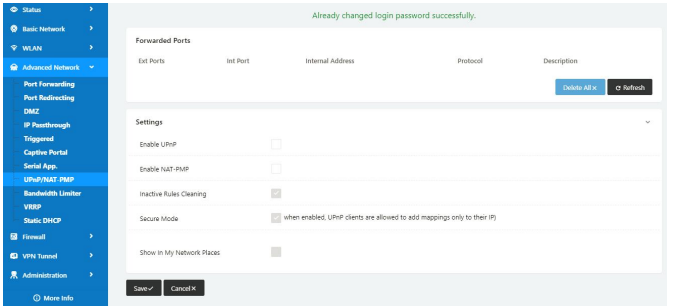
Parameter	Instruction
Destination Address	The destination address inside the LAN.
Source Address Restriction	If no IP address inside, it will allow all IP address to access. If define IP address, it will just allow the defined IP address to access.
Leave Remote Access	

Step 2 Please click ”save” to finish

----End

UPnp/NAT-PMP Setting

Step 1 Advanced Network> Upnp/NAT-PMP to check or modify the relevant parameter.



Step 2 Please click "save" to finish.

----End

Bandwidth Control Setting

Step 1 Advanced Network> Bandwidth Control to check or modify the relevant parameter.

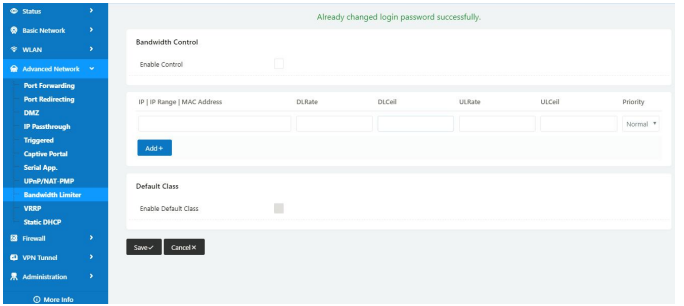


Table 2-10 Bandwidth Control Instruction

Parameter	Instruction
Max Available Upload	Speed limit for router.
IP/ IP Range/ MAC Address	Limit devices speed for specified IP/IP Range/ MAC Address.
DL Rate	Mix Download rate
DL ceil	Max download rate
UL Rate	Mix Upload rate
UL ceil	Max upload rate
Priority	The priority of a specific user.
Default Class	If no specified IP/MAC, the download and upload limit for total speed for all of device.

Step 2 Please click ”save” to finish.

---End

VPN Tunnel

PPTP/L2TP Client Setting

Step 1 VPN Tunnel> VPN Client to check or modify the relevant parameter.

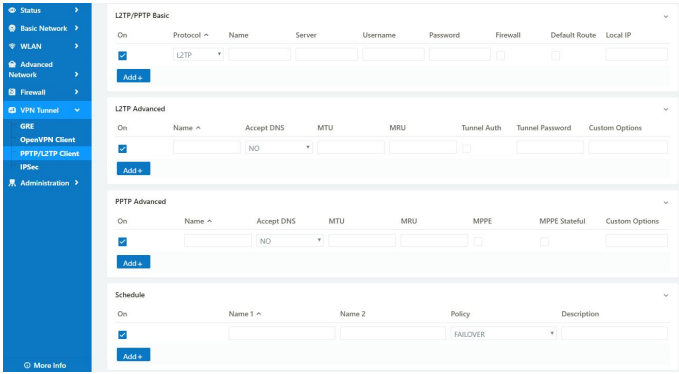


Table 2-11 PPTP/L2TP Basic Instruction

Parameter	Instruction
On	VPN enable
Protocol	VPN Mode for PPTP and L2TP
Name	VPN Tunnel name
Server Address	VPN Server IP address.
User name	As the configuration requested.
Password	As the configuration requested.
Firewall	Firewall For VPN Tunnel
Local IP	Defined Local IP address for tunnel

Table 2-12 L2TP Advanced Instruction

On	L2TP Advanced enable
Name	L2TP Tunnel name

Accept DNS	As the configuration requested.
MTU	MTU is 1450bytes as default
MRU	MRU is 1450bytes as default
Tunnel Auth.	L2TP authentication Optional as the configuration requested.
Tunnel Password	As the configuration requested.
Custom Options	As the configuration requested.

Table 2-13 PPTP Advanced Instruction

On	PPTP Advanced enable
Name	PPTP Tunnel name
Accept DNS	As the configuration requested.
MTU	MTU is 1450bytes as default
MRU	MRU is 1450bytes as default
MPPE	As the configuration requested
MPPE Stateful	As the configuration requested
Customs	As the configuration requested

Table 2-14 SCHEDULE Instruction

On	VPN SCHEDULE feature enable
Name1	VPN tunnel name

Name2	VPN tunnel name
Policy	Support VPN tunnel backup and failover modes optional
Description	As the configuration requested

Step 2 Please click "save" to finish.

---End