

C-Data FD614GS WEB Management,GPON EPON Auto Detect, SFU Model User Manual

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C-Data FD614GS WEB Management,GPON EPON Auto Detect, SFU Model

FD504G-X-R461

4GE XPON ONU



High Speed CPU



Low Power Consumption



Software Customization



Optional Shell Supply



Brief Views

FD504G-X-R461 dual-mode ONU supports EPON and GPON two modes access. The ONU automatically switches into the corresponding PON mode by identifying the local OLT mode to complete GPON or EPON adaptive access.

FD504G-X-R461 have a high reliability and provide quality of service guarantee, easy management, flexible expansion and networking. It fully meets the ITU-T and IEEE technical standards and have good compatibility with third party OLT.

Product Specifications

- Product: XPON ONU/GPON ONU FD614GS series
- Manufacturer: Shenzhen C-Data Technology Co., Ltd.
- Version: WEB 3.0
- Website: www.cdatatec.com

Product Usage Instructions

Installation Precautions

Follow the installation guidelines provided in the user manual to ensure proper setup and functionality.

Precautions for Use

Read through the precautions section carefully to understand how to safely and effectively use the XPON ONU/GPON ONU.

FAQ (Frequently Asked Questions)

Q: How do I configure LAN IP address on the ONU?

A: To configure LAN IP address, follow the steps outlined in section 7 – ONU LAN Configuration of the user manual.

FCC Compliance Statements

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

This device must accept any interference received, including interference that may cause undesired operation.

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

Note: 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 or more 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.

RF Exposure Compliance

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

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.

Note

Installation Precautions

- Do not place the equipment near flammable or conductive items, high temperatures (such as direct sunlight) or in wet conditions, or on a PC chassis, and check that the surrounding appliances are stable.
- Check the cable for aging. Check and verify that the AC or DC input voltage is within the permissible range of the device and that the polarity of the DC is correct.
- Unless the manufacturer permit, use the type of power indicated on the label and the adapter supplied with the product.

- To prevent damage to the product from lightning, make sure that the ground of the power outlet and the power adapter is securely grounded. In the thunderstorm, be sure to unplug the power and all the connections.
- Equipment input voltage fluctuation should be less than 10%, the power plug, refrigerators, hair dryer and iron should not use the same socket.
- To avoid electric shock or fire due to overload of the power outlet, damage to the cord or damage to the plug, check the power cord regularly. If damage is found, replace it immediately.
- Please place the device on a flat surface and can not place items on the device.
- Equipment is easy to produce heat when working, should maintain the appropriate cooling space to avoid damage caused by overheating products. The elongated hole on the shell is designed for heat dissipation. Keep the ventilation clean and avoid falling from the heat sink into the equipment. Otherwise, the equipment may be damaged or fire. Do not spill liquid onto the surface of the equipment.

Precautions for Use

- Please read the user manual carefully before using the equipment and follow all the precautions on the user manual and the product.
- Avoid eye looked at the optical interface directly, so as to avoid the laser beam emitted by the interface damage the eyes. Please try to wear safety glasses to effectively protect your eyes from damage. It is best to plug in the fiber optic interface jacket when the optical interface is not in use .
- Turn off the power when the device is not in use
- Before plugging the power supply, make sure that the power switch is turned off to avoid= surge. Be careful when unplugging the power supply and the transformer temperature may be high.
- To ensure safety, do not open the enclosure of the device, especially when the device is powered up.
- Unplug the power supply before cleaning the equipment. Use a soft dry cloth to clean the equipment to avoid the use of liquids or sprays.
- Do not connect this product to any electronic product unless it is instructed by our customer engineer or your broadband supplier, as any incorrect connection may cause power or fire hazard.

Brief

Fd614GS series XPON ONU is satisfying with Telecom, Radio and Television, and Fiber To The Home (FTTH) multi service access. It's based on the mature, stable, high cost performance EPON/GPON technology and has Gigabit and Fast Ethernet switching HFC technology, WLAN technology and powerful routing forwarding technology. Fd614GS series XPON ONU has a higher bandwidth, higher reliability, easy management and good quality of service (QoS) guarantee with technical performance of equipment meet the ITU-T G. 984 requirements and have good compatibility with third party manufacturers OLT.

Fd614GS series XPON ONU can integrate wireless function with meet 802.11 n/b/g/ac technical standards and built-in high gain directional antenna, the wireless transmission rate up to 867 Mbps. It has the characteristics of strong penetrating power and wide coverage. It can provide users with more efficient data transmission security. Note This document is written in reference to 4GE+2WIFI Dual Band +1POTS XPON HGU, the rest of XPON HGU can be referenced to this document configuration.

Product Features

- Single-fiber access, providing broadband Wi-Fi, Internet, CATV, POTS service access, and so on.
- Comply with ITU-T G.984 and IEEE802.3ah technical standards
- WIFI-type equipment exact match 802.11 a/b/g/n/ac/ax wireless standard protocol, support 20Mhz /

40Mhz/80MHZ

- Support PPPoE, DHCP, static IP broadband service access
- Support NAT, static routing, port forwarding
- Support data encryption, VLAN transparent transmission, vlan tag and other functions
- Support up and down bandwidth limit function
- Support upgrade through the OLT remote / local ONU WEB
- Support broadcast storm suppression
- Different data ports are isolated from each other
- Support OLT as SNMP-agent way of the unified management of the network management, easy to install and maintain
- Provide a variety of fault alarm function, easy to fault diagnosis
- Support DBA technology and priority based on the dual management model to ensure that the user's minimum specified bandwidth requirements

Product Operation Introduction

The dual-mode ONU is a “combination” of GPON and EPON ONU. Compared with the single-mode EPON/GPON ONU, the main difference lies in the registration process. The dual-mode ONU adds a pre-judgment to the current application system (EPON/GPON). That is, the dual-mode ONU first switches mode, and then starts and completes registration process in the corresponding mode. When the ONU runs normally in the current system, its configuration and processing of various messages are basically the same as single-mode EPON/GPON ONU. This product mode switch depends on the packet sent by the front-end OLT device to the ONU. When ONU receives OAM message sent by the EPON OLT, the ONU automatically switches to the EPON mode after detecting it. In this case, the ONU can be regarded as the EPON ONU. When the ONU receives OMCI message sent by the GPON OLT, the ONU automatically switches to the GPON mode after detecting it. In this case, the ONU can be used as the GPON ONU.

Product Specifications

- Ambient temperature: 0°C 50°C
- Relative humidity 10% to 90% (non-condensing)
- TX Optical Power 0.5~5dBm
- RX Optical Power -8~-28dBm(GPON) -3~-27dBm(EPON)

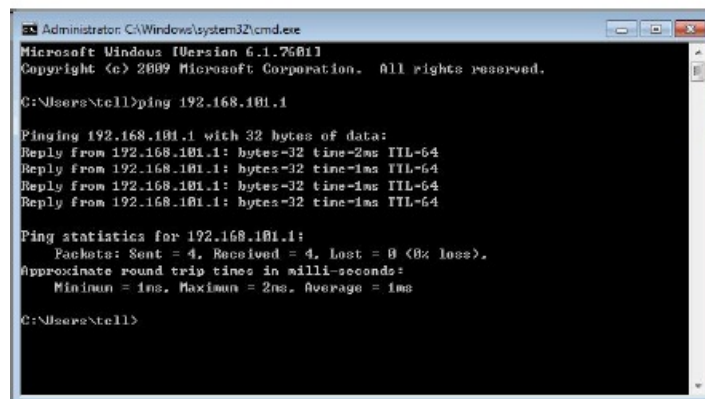
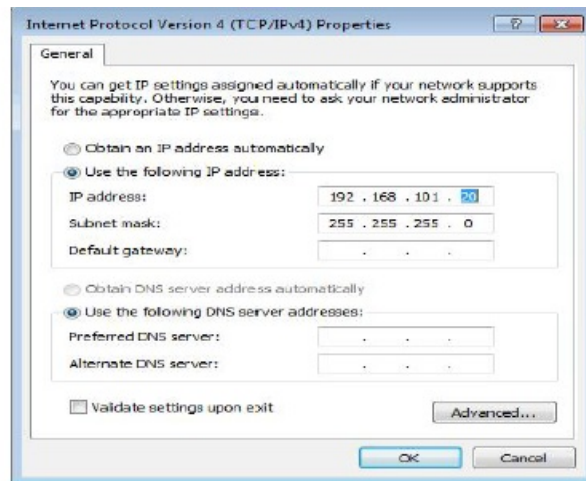
Device Connection

- Connect the fiber: Insert the SC fiber connector into the PON connector on the rear panel of the ONU.
- Connect the Ethernet cable: Connect the RJ-45 Ethernet cable to any LAN port and each home device.
- Connect the AC adapter: Plug the AC / DC adapter into the AC wall jack and the ONU 12V DC power jack.

Login Web Management Locally

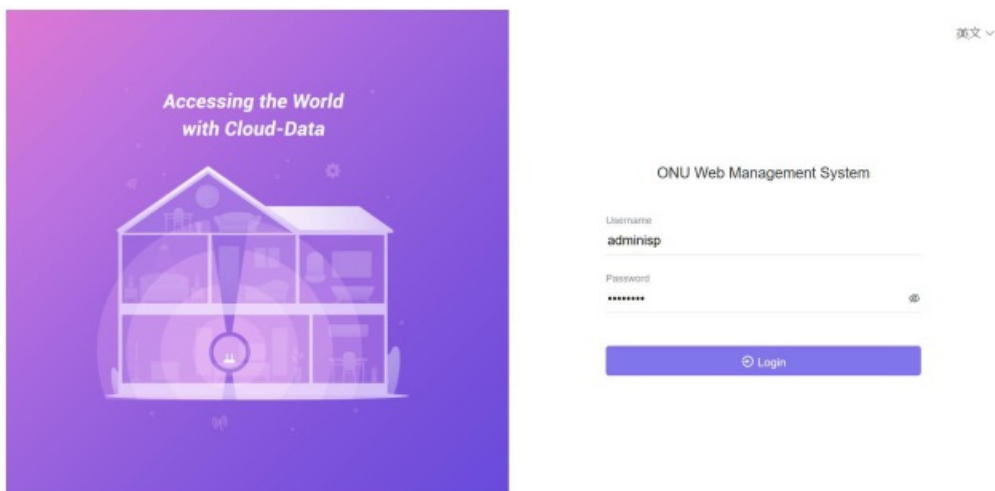
Physical Connection of ONU and PC

- Local NIC of PC connects to LAN port or ETH port of ONU via wires.
- Set the IP address of PC's local NIC as 192.168.101.X (X 2-254).



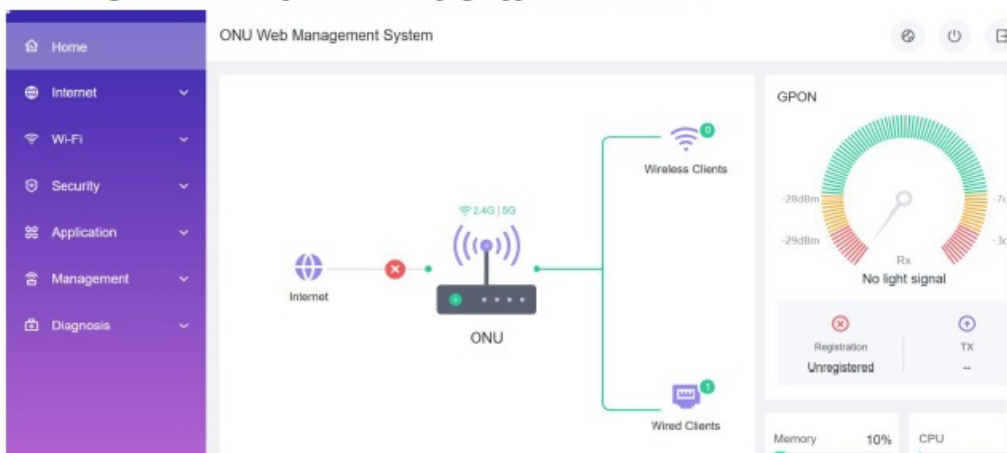
PC Access the WEB of ONU

- Make sure you can ping the ONU like #3.1. Open the IE Web browser (IE, Firefox, Google), copy and paste URL: <http://192.168.101.1>, the following pop-up Prompt landing page:



Input Username: **adminisp** Password: **adminisp**

Click “Login” button. The product basics page appears, as follows:

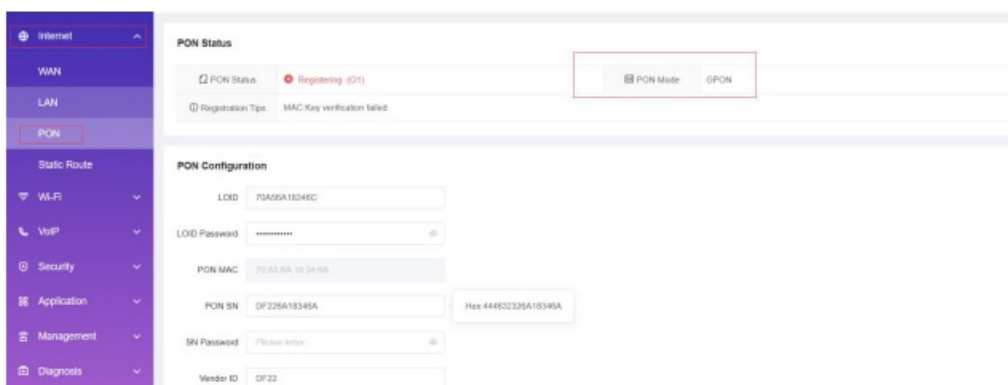


You can start further configuration.

ONU Register Information Config(When adaptive to GPON mode)

View ONU Status

1. Login ONU WEB, select Internet —> PON , view the ONU PON status



View ONU Optical Power Information

1. Login ONU WEB,view Rx power and Tx power of ONU



LOID Authentication Config

LOID of ONU is mainly applicable of the authentication mode of LOID and LOID + Password for ONU. By default, ONU registers for the OLT by SN and rarely uses LOID for register.

Normally, we needn't to configure LOID. But the configuration as follows:

1. Login ONU WEB, select Internet ->PON , view or configure LOID and password of ONU

This screenshot shows the 'PON Configuration' page within the ONU Web Management System. The left navigation menu is the same as in the previous image. The main content area is titled 'PON Status' and shows 'PON Status' as 'Registration successfully' and 'PON Mode' as 'GPON'. Below this, the 'PON Configuration' section contains several fields: 'LOID' (set to '887A62D018F'), 'LOID Password' (masked with asterisks), 'PON MAC' (set to '887A62D018F'), 'PON SN' (set to 'WHTCAG20D18F' with a 'Hex 887A62D018F' button), 'SN Password' (set to 'P0000000'), and 'Vendor ID' (set to 'HWTC'). At the bottom, the 'OLT Compatibility Mode' section shows 'GPON Mode' set to 'Default Mode'.

ONU Register Information Config(When adaptive to EPON mode)

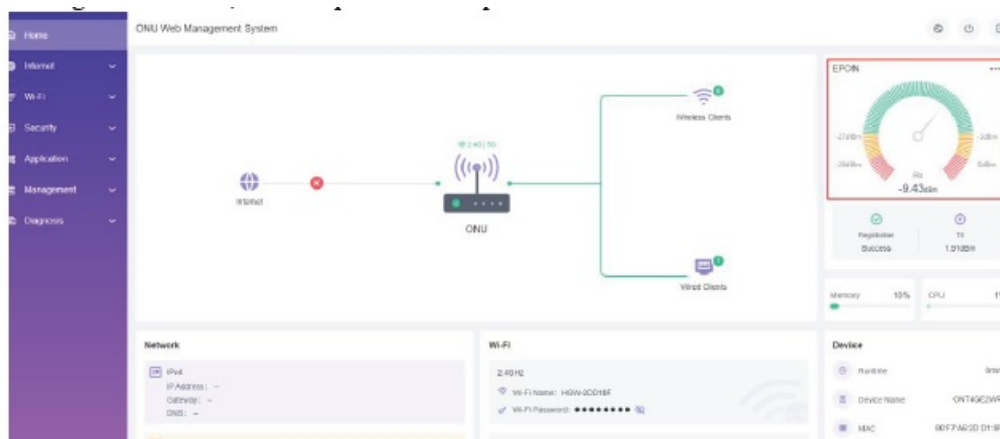
View ONU Status

1. Login ONU WEB, select Internet-> PON , view the ONU status

This screenshot shows the 'PON Status' page within the ONU Web Management System. The left navigation menu is the same. The main content area shows 'PON Status' as 'Registration successfully'. A red box highlights the 'PON Mode' dropdown menu, which is currently set to 'GPON' and has 'EPON' as an alternative option. Below this, the 'PON Configuration' section is visible, showing fields for 'LOID', 'LOID Password', 'PON MAC', and 'Vendor ID'. The 'OLT Compatibility Mode' section at the bottom shows 'GPON Mode' set to 'Default Mode'.

View ONU Optical Power Information

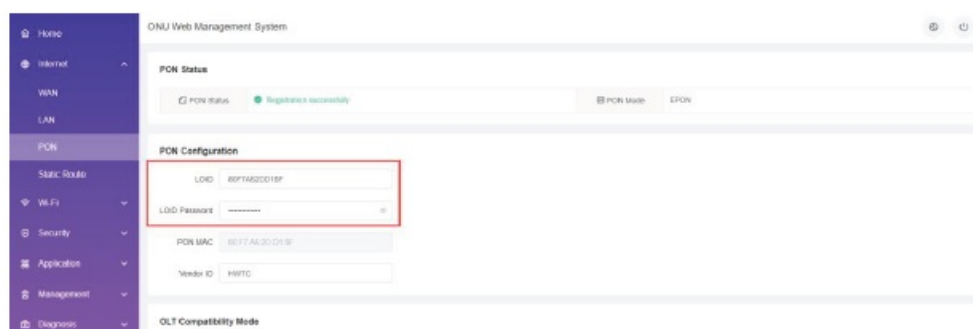
1. Login ONU WEB, view Rx power and Tx power of ONU



LOID Authentication Config

LOID of ONU is mainly applicable of the authentication mode of LOID and LOID + Password for ONU. By default, EPON ONU registers for the OLT by MAC and rarely uses LOID for register. Normally, we needn't to configure LOID. But the configuration as follows:

1. Login ONU WEB, select Internet-> PON, view or configure LOID and password of ONU



Basic Configuration for Internet

Home Gateway Unit (HGU) ONU supports route function, so that there are route mode and bridge mode for internet. The difference between route mode and bridge mode as follows :

Route mode ONT as a home gateway equipment, ONT IP address can be obtained in three ways, which includes DHCP, Static IP Address and PPPOE. The IP address of the device on the user side is obtained through the DHCP address pool of the ONT, or by manually setting;

Bridge mode The ONT does not obtain the IP address assigned by the upper device or can not manually set the static IP address. It is used as a relay device and does not process the data. There are three ways to obtain the IP address of the user side device, namely DHCP, PPPOE, Static IP Address.

Route Mode Configuration

Configure PPPOE WAN Connection for Internet in Route Mode

Login ONU WEB, select Internet -> WAN->Click“Add ”button, and then there are some parameters for us to configure as follows:

- Vlan We can set this option according to your network plan. If there is vlan in the network for internet, we have to check ' VLAN ' option. If not, we needn't check this option, which will be VLAN transparent mode.
- Vlan ID Configure this option according to our network plan.
- Priority Set the priority of vlan, The same as "Vlan", depending on the network vlan planning to configure. The default priority is 0.
- Mode Choose PPPOE.

- Service Type Choose Internet.
- IP Protocol Select 'Ipv4'; If there is Ipv6 in the network, we can select ' Ipv4/Ipv6 '.
- MTU The default is 1492; we have to change to lower MTU, such as 1400, if we can ping the DNS but not access the website via WEB browser.
- NAT Check ' NAT ' feature NAT is mainly used for address translation function of local network and external network. The default is checked enable status. If you do not check this option, maybe you can't surf the internet.
- UserName Type PPPOE account, normally offered by ISP, for Internet
- Password Type PPPOE password, normally offered by ISP, for Internet
- Port Binding Bind the physical ports (Lan port 1-4 and wireless) with PPPOE WAN connectio

The top screenshot shows the 'WAN' configuration page. It features a table with the following data:

Name	MAC Address	Mode	Multicast VLAN	Protocol	IP Address	Gateway	DNS	Status	Operation
1_INTERNET_R_VID_100	80FFA62D:D	IPoE	N/A	IPv4	N/A	N/A	N/A	down	Edit Delete

The bottom screenshot shows the 'Basic Configuration' and 'PPPoE Configuration' sections. The 'Basic Configuration' section includes fields for VLAN ID (222), Priority (0), Mode (PPPoE), Service Type (INTERNET), IP Protocol (IPv4), MTU (1492), and NAT (checked). The 'PPPoE Configuration' section includes fields for Username (test) and Password (masked). The 'Port Binding' section shows LAN1 selected for binding.

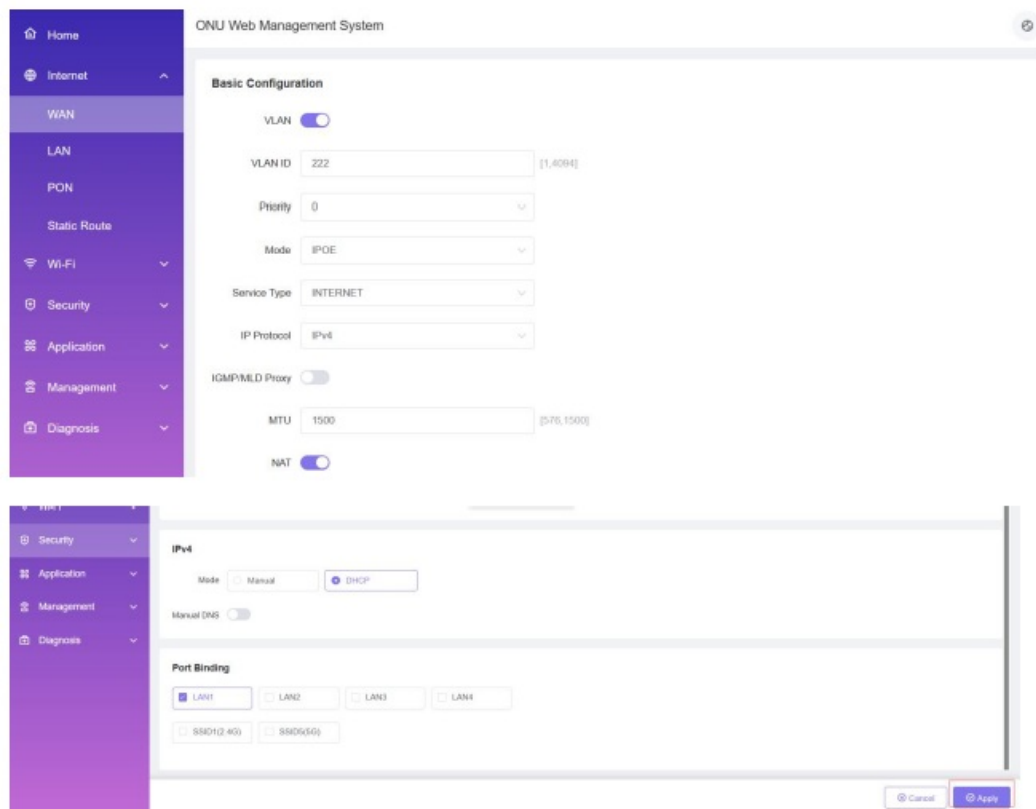
Note

- By default, all LAN ports and WIFI data are not bound by this WAN connection (a LAN and WIFI SSID can only be bound to a WAN connection at the same time).
- After configuring the parameters of PPPOE WAN connection as above, click 'Apply Changes' to finish the setting.

Configure DHCP WAN Connection for Internet in Route Mode

1. Login ONU WEB, select Internet -> WAN->Click“Add ”button, and then there are some parameters for us to configure as follows:

- Vlan We can set this option according to your network plan. If there is vlan in the network for internet, we have to check ' VLAN ' option. If not, we needn't check this option, which will be VLAN transparent mode.
- Vlan ID Configure this option according to our network plan.
- Priority Set the priority of vlan, The same as “Vlan”, depending on the network vlan planning to configure. The default priority is 0.
- Mode Choose IPOE.
- Service Type Choose Internet.
- IP Protocol Select 'Ipv4'; If there is Ipv6 in the network, we can select ' Ipv4/Ipv6 '.
- MTU The default is 1500; we have to change to lower MTU, such as 1400, if we can ping the DNS but not access the website via WEB browser.
- NAT Check ' NAT ' feature NAT is mainly used for address translation function of local network and external network. The default is checked enable status. If you do not check this option, maybe you can't surf the internet.
- IPv4 Mode Choose DHCP.
- Manual DNS Not select, the ONU will get DNS from upper DNS server automatically; Selected , we have to configure an static DNS for the ONU by manual. We can configure one of them according to network plan.
- Port Binding Bind the physical ports (Lan port 1-4 and wireless) with DHCP WAN connection. Note: By default, all LAN ports and WIFI data are not bound by this WAN connection (a LAN and WIFI SSID can only be bound to a WAN connection at the same time).



2. After configuring the parameters of DHCP WAN connection as below, click 'Apply' to finish the setting.

Configure Static IP Address WAN Connection for Internet in Route Mode

- Login ONU WEB, select Internet -> WAN->Click“Add ”button, and then there are some parameters for us to configure as follows:
- Vlan We can set this option according to your network plan. If there is vlan in the network for internet, we have to chlick ‘ VLAN ’ option. If not, we needn’t check this option, which will be VLAN transparent mode.
- Vlan ID Configure this option according to our network plan.
- Priority Set the priority of vlan, The same as “Vlan”, depending on the network vlan planning to configure. The default priority is 0.
- Mode Choose IPOE.
- Service Type Choose Internet.
- IP Protocol Select ‘Ipv4’; If there is Ipv6 in the network, we can select ‘ Ipv4/Ipv6 ’.
- MTU The default is 1500; we have to change to lower MTU, such as 1400, if we can ping the DNS but not access the website via WEB browser.
- NAT Check ‘ NAT ’ feature NAT is mainly used for address translation function of local network and external network. The default is checked enable status. If you do not check this option, maybe you can’t surf the internet.

IPv4

- Mode Select ‘ Manual’.
- IP Address Set static IP address;
- Mask Set the mask of static IP address;
- Gateway Fill in the address of the gateway
- Manual DNS Closed for modification,need config DNS.
- Primary DNS Set static primary DNS address and secondary DNS address;
- Secondary DNS Set static second DNS address and secondary DNS address;
- Port Binding Bind the physical ports with Static WAN connection.

Note: By default, all LAN ports and WIFI data are not bound by this WAN connection (a LAN and WIFI SSID can only be bound to a WAN connection at the same time).

The top screenshot shows the 'ONU Web Management System' interface. On the left is a navigation menu with options: Home, Internet, WAN, LAN, PON, Static Route, Wi-Fi, Security, Application, Management, and Diagnosis. The 'Internet' section is expanded, showing 'Basic Configuration'. The settings are as follows:

- VLAN: ☒ (enabled)
- VLAN ID: 222 (range [1,4094])
- Priority: 0 (dropdown)
- Mode: IPOE (dropdown)
- Service Type: INTERNET (dropdown)
- IP Protocol: IPv4 (dropdown)
- IGMP/MLD Proxy: ☐ (disabled)
- MTU: 1500 (range [576,1500])
- NAT: ☒ (enabled)

The bottom screenshot shows the 'IPv4' configuration page. The settings are as follows:

- Mode: ☒ Manual, ☐ DHCP
- IP Address: 192.168.101.27
- Mask: 255.255.255.0
- Gateway: 192.168.101.1
- Manual DNS: ☒ (enabled)
- Primary DNS: 114.114.114.0
- Secondary DNS: 8.8.8.8
- Port Binding:
 - ☒ LAN1, ☐ LAN2, ☐ LAN3, ☐ LAN4
 - ☐ SSID(2.4G), ☐ SSID(5G)

At the bottom right of the bottom screenshot are 'Cancel' and 'Apply' buttons.

After configuring the parameters of Static IP WAN connection as below, click 'Apply Changes' to finish the setting.

Configure Bridge WAN Connection for Internet

- Login ONU WEB, select Internet -> WAN->Click“Add ”button, and then there are some parameters for us to configure as follows:
- Vlan We can set this option according to your network plan. If there is vlan in the network for internet, we have to chlick ‘ VLAN ‘ option. If not, we needn’t check this option, which will be VLAN transparent mode.
- Vlan ID Configure this option according to our network plan.
- Priority Set the priority of vlan, The same as “Vlan”, depending on the network vlan planning to configure. The default priority is 0.
- Mode Choose Bridge.
- Service Type Choose Internet.
- Port Binding Bind the physical ports (Lan port 1-4 and wireless) with Bridge WAN connection.
- Note: By default, all LAN ports and WIFI data are not bound by this WAN connection (a LAN and WIFI SSID can only be bound to a WAN connection at the same time).

ONU Web Management System

Basic Configuration

VLAN ☐

VLAN ID: [1,4094]

Priority:

Mode:

Service Type:

Multicast VLAN ☐

Port Binding

☒ LAN1 ☐ LAN2 ☐ LAN3 ☐ LAN4

☐ SSID1(2.4G) ☐ SSID5(5G)

- After configuring the parameter of Bridge WAN connection as above, click 'Apply' to finish the setting.

View the WAN Connection Status

- Login ONU WEB, select Internet→WAN. In here, we can view WAN connection status, check the route WAN connection if it gets an IP address and Bridge WAN connection , Down or UP. As follows:

ONU Web Management System

WAN

Name	MAC Address	Mode	Multicast VLAN	Protocol	IP Address	Gateway	DNS	Status	Operation
1_INTERNET_R_VID_1_00	80:F7:A6:2D:D1:91	IPOE	N/A	IPv4	N/A	N/A	N/A	down	Edit Delete
2_INTERNET_R_VID_2_22	80:F7:A6:2D:D1:92	IPOE	N/A	IPv4	192.168.101.27/12	192.168.101.1	114.114.114.0 8.8.8.8	down	Edit Delete

Delete the WAN Connection

- Login ONU WEB, select Internet→WAN->Click "Delete" button, then brings up a pop-up window to confirm it.

ONU Web Management System

WAN

Name	MAC Address	Mode	Multicast VLAN	Protocol	IP Address	Gateway	DNS	Status	Operation
1_INTERNET_R_VID_2_22	80:F7:A6:2D:D1:92	IPOE	N/A	IPv4	192.168.101.27/12	192.168.101.1	114.114.114.0 8.8.8.8	down	Edit Delete

ONU LAN Configuration

LAN IP Address Configuration

- Login ONU WEB, select Internet->LAN and then there are some parameters for us to configure as follows:
- IP address Set local management IP address of ONU. The default IP address is 192.168.101.1.
- Mask Set the mask of local management IP address of ONU.
- Port Isolation Default is Disable.

The screenshot shows the 'LAN Configuration' page in the ONU Web Management System. The left sidebar has a menu with 'Internet' selected. The main content area has a 'LAN Configuration' section with the following fields: 'IP Address' (192.168.101.1), 'Mask' (255.255.255.0), and 'Port Isolation' (disabled). Below this is a 'DHCP Configuration' section with 'DHCP' enabled, 'IP Address Pool' (192.168.101.2 to 192.168.101.254), 'Mask' (255.255.255.0), 'Lease Time' (86400 seconds), and 'DNS Mode' (Proxy). At the bottom is a 'Client List' table with columns: No, Name, MAC Address, IP Address, and Lease Time. The table is currently empty. A 'Refresh' button is on the right. At the bottom right is an 'Apply' button.

- After configuring the parameters of LAN address as above, click 'Apply' to finish the setting

View LAN Client

Login ONU WEB, select Internet->LAN. View client that access via LAN ports . As follows:

The screenshot shows the 'LAN Client List' page in the ONU Web Management System. The left sidebar has a menu with 'Internet' selected. The main content area has a 'LAN Client List' section with the following fields: 'IP Address' (192.168.101.1), 'Mask' (255.255.255.0), and 'Port Isolation' (disabled). Below this is a 'DHCP Configuration' section with 'DHCP' enabled, 'IP Address Pool' (192.168.101.2 to 192.168.101.254), 'Mask' (255.255.255.0), 'Lease Time' (86400 seconds), and 'DNS Mode' (Proxy). At the bottom is a 'Client List' table with columns: No, Name, MAC Address, IP Address, and Lease Time. The table contains one entry: No. 1, Name: DESKTOP48B91CU, MAC Address: 2C:16:DE:AF:7C:77, IP Address: 192.168.101.2, Lease Time: 23:59:44. A 'Refresh' button is on the right. At the bottom right is an 'Apply' button.

WLAN Configuration

Wireless 2.4G wifi configuration 8.1.1 2.4G WLAN Advance Configuration

- Login ONU WEB, select Wi-Fi->Advance->2.4G, and then there are some parameters for us to configure as follows:

- Mode The default is 802.11 b/g/n.
- Country/Region Choose the corresponding city according to your own area.
- Bandwidth Default is Auto
- Channel The default is Auto We can select a channel without glitches by manual according to the surrounding environment

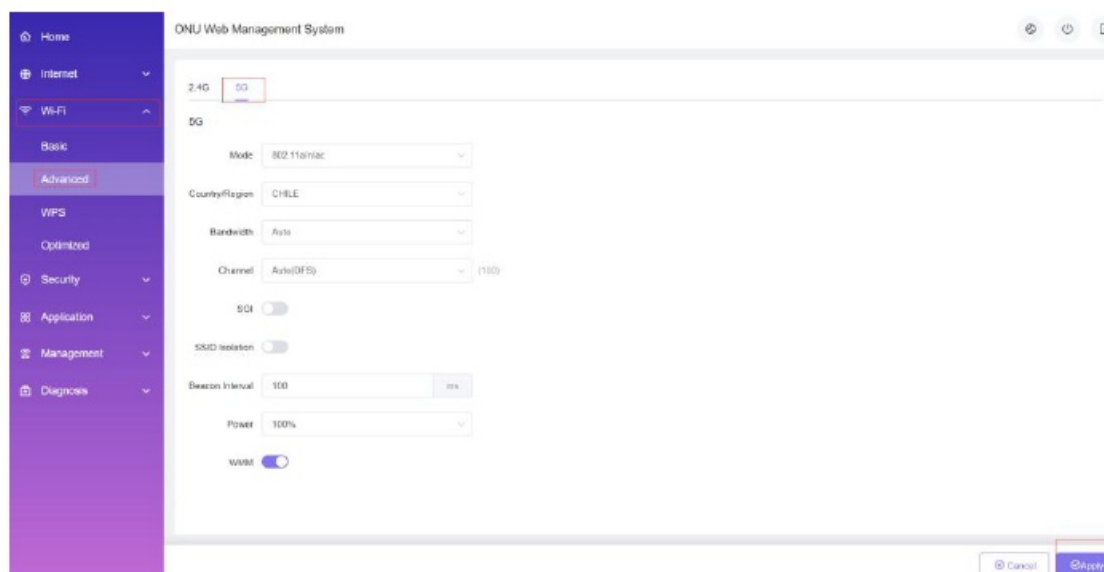


- After setting wireless configuration, click 'Apply' button to finish setting.

Wireless 5G wifi configuration 8.2.1 5G WLAN Advance Configuration

1. Login ONU WEB, select Wi-Fi->Advance->5G, and then there are some parameters for us to configure as follows:

- Mode The default is 802.11 a/n/ac.
- Country/Region Choose the corresponding city according to your own area.
- Bandwidth default is Auto
- Channel The default is Auto(DFS) We can select a channel without glitches by manual according to the surrounding environment



After setting wireless configuration, click 'Apply' button to finish setting.

TR069 Remote Management

ONU TR069 remote management is mainly used for some network that support TR069 server centralized remote management, the current management is mainly used in many large networks, ONU as TR069 remote management of the client need to do the following settings.

Configure Channel for TR069 Remote Management

Firstly, referred to #6.2, set a Route WAN connection with 'Service Type as TR069, which is used to act as a channel for TR069 server.

The screenshot shows the 'ONU Web Management System' interface. On the left is a navigation menu with options: Home, Internet, WAN, LAN, PON, Static Route, Wi-Fi, Security, Application, Management, and Diagnosis. The 'WAN' option is selected. The main panel displays the 'Basic Configuration' for a WAN connection. Fields include: VLAN (toggle on), VLAN ID (222), Priority (5), Mode (IPOE), Service Type (TR069), IP Protocol (IPv4), and MTU (1500). Below this is the 'IPv4' section with Mode (Manual/DHCP) and Manual DNS (toggle off). 'Cancel' and 'Apply' buttons are at the bottom right.

TR069 Client Configuration

Login ONU WEB, select Management->Remote Management. In this page, we can set ONU's parameter of TR069 client (User Name, Password, URL).

Note: All of parameters of TR069 are offered by ISP.

The screenshot shows the 'ONU Web Management System' interface with the 'Management' menu selected, leading to 'Remote Management'. The 'Enable TR-069' toggle is on. Below it, a status bar shows 'Report Inform Situation' as 'Not reported' and 'Accept ITMS Connection Request' as 'The remote connection request has not been received'. The 'TR-069 Configuration' section includes fields for URL (http://), Username (admsup), and Password (admin@). There is also a 'Periodic Inform Enable' toggle and a 'Periodic Inform Interval' set to 30 seconds. 'Cancel' and 'Apply' buttons are at the bottom right.

After setting wireless configuration, click 'Apply' button to finish setting.

The Configuration for VoIP

SIP Settings

- Firstly, login onu's web and configure a WAN connection to carry Voice service according to #6.1 or 6.2 and select "VOICE" or "VOICE_INTERNET" or "VOICE_TR069" or
- "VOICE_INTERNET_TR069" in Service List.
- Then select Voip->Basic, and then there are some parameters for us to configure as follows:
- Number1/2 Fill in the telephone number.
- Username Fill in the Auth User name that can register to the voice server.
- Password Fill in the password that can register to the voice server.
- Password Fill in the password that can register to the voice server.
- Register Server Fill in the Register Server's ip address.
- Proxy Server Fill in the Proxy server IP

The screenshot displays the 'ONU Web Management System' interface. On the left is a purple sidebar menu with options: Home, Internet, WLAN, Security, Application, Management (highlighted), Firmware Update, Backup&Restore, Remote Management (highlighted), User Management, Time Zone, System Log, LED Control, and Diagnosis. The main content area is titled 'TR-069 Configuration'. At the top, there is a toggle for 'Enable TR-069' which is turned on. Below this, a message states 'You can configure TR-069 related parameters on this page.' There are two status boxes: 'Report Inform Situation' with a red error icon and text 'Not reported', and 'Accept ITMS Connection Request' with a red error icon and text 'The remote connection request has not been received'. The configuration fields include: 'URL' with a text input containing 'http://'; 'Username' with a text input containing 'admnasip'; 'Password' with a masked text input; 'Periodic Inform Enable' with a toggle switch turned on; and 'Periodic Inform Interval' with a text input containing '30', a unit selector set to 'Seconds', and a dropdown menu set to 'Advanced'. At the bottom right of the configuration area are 'Cancel' and 'Apply' buttons.

ONU Management System

Number1: 819
Username: test
Password: ***

Port2
Number2: 820
Username: test
Password: ***

Register Configuration

Register Server: 192.168.2.201
Register Server Port: 5898 [1,555:30]
Proxy Server: 192.168.2.201
Proxy Server Port: 5898 [1,555:30] Advanced >>

Apply

The direction of the arrow can see the status of the registration

VoIP State

Port1
Number: 819
Registration: Unregistered

Port2
Number: 820
Registration: Unregistered

Number Configuration

Port1
Number1: 819
Username: test
Password: ***

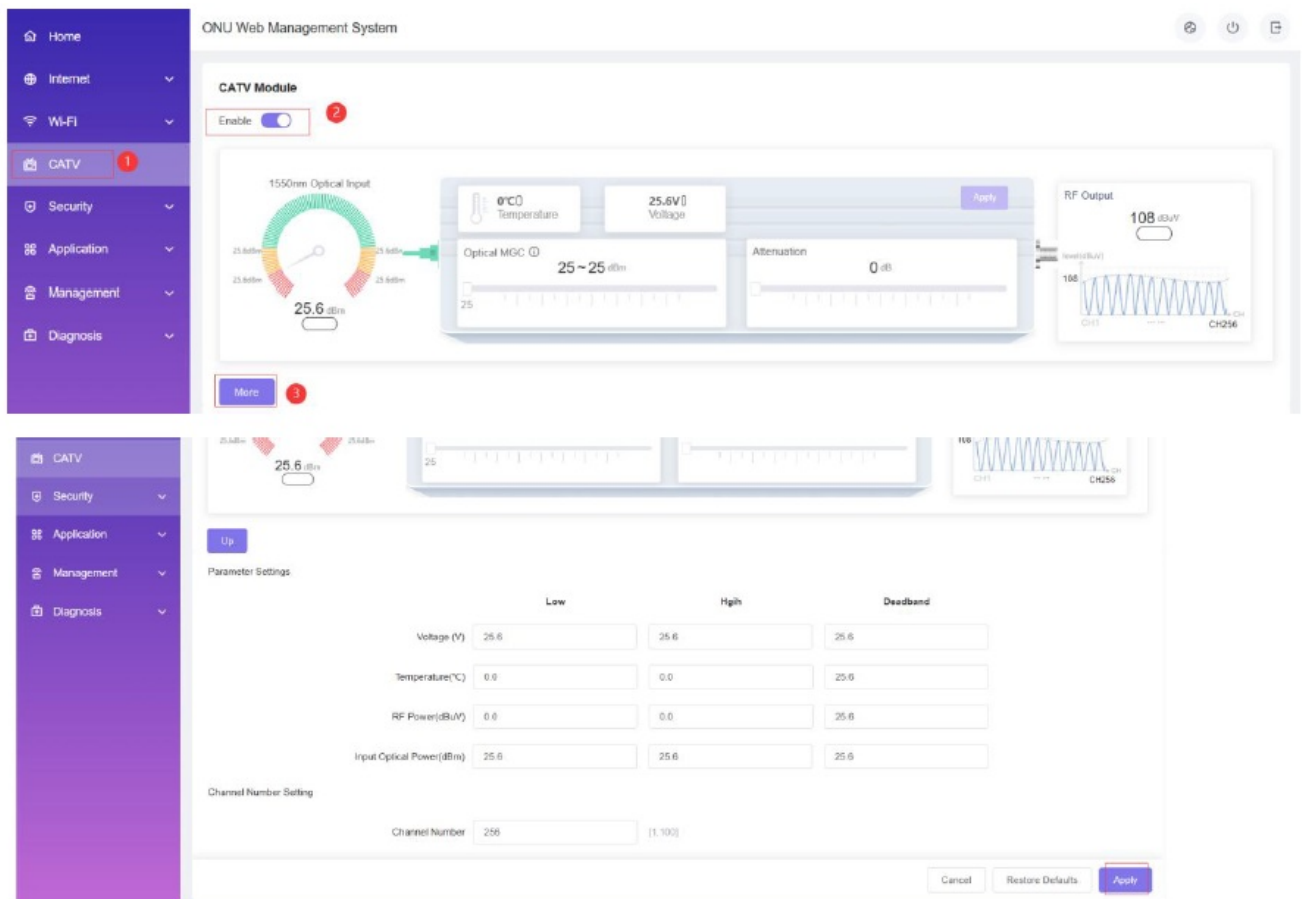
Port2
Number2: 820
Username: test
Password: ***

CATV Configuration

CATV management is mainly applied to ONU with light machine, we need to configure the ONU optical machine parameters through the ONU's WEB.

Configure CATV Port Parameter

1. Select CATV .
2. CATV Module, we can enable or disable CATV port.
3. Click "More" button to set the the parameters.

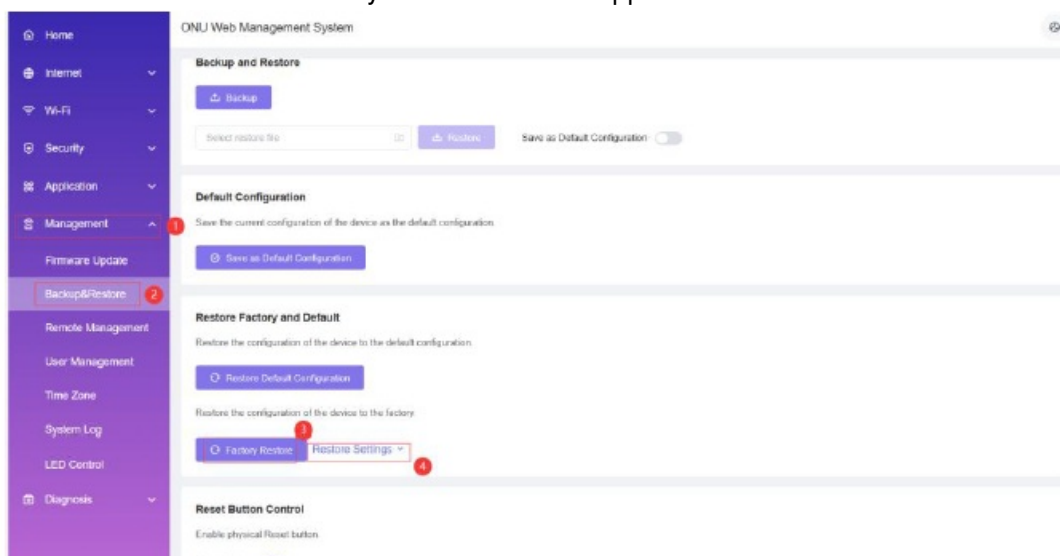


Click 'Apply' button to finish the setting

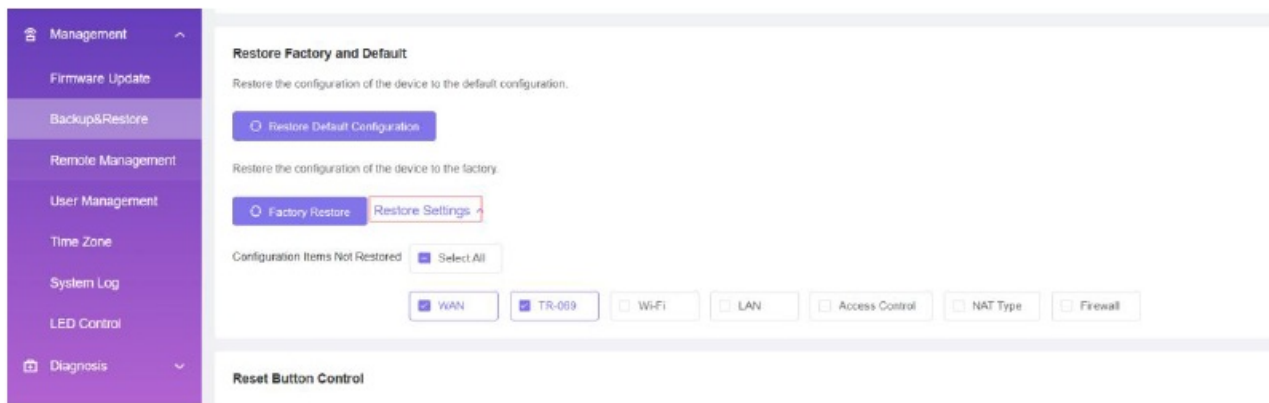
Device Management

Restore Default Setting

Login the ONU WEB. Select Management —> Backup/Restore . Click 'Factory Restore' button. The device will restore the factory defaults after the application.



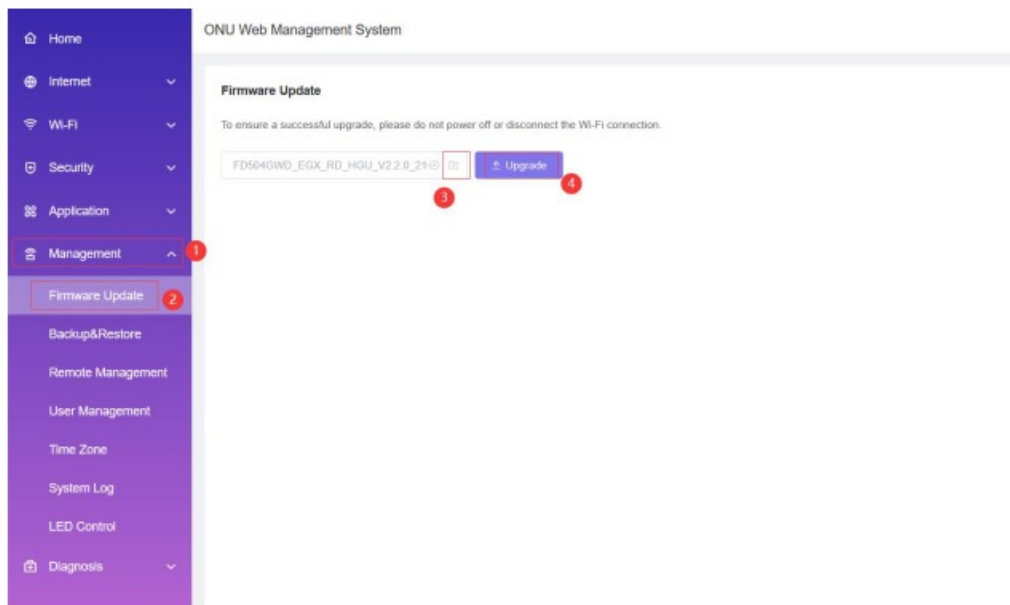
Click 'Restore Settings' button, You can choose some configurations not to revert to factory settings



Firmware Upgrade

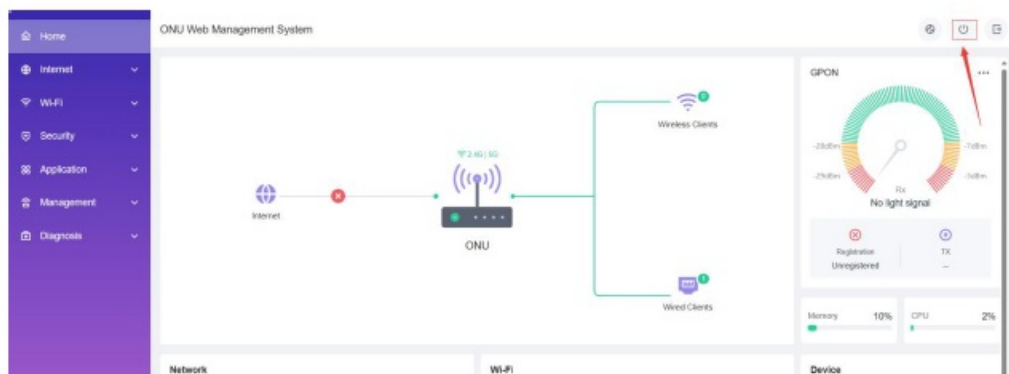
Login the ONU WEB. Select Management ->Firmware Update. Click ' ' to select firmware file, click 'Upgrade' button to upgrade the ONU. After the application, the device is upgraded to the latest software version.

Note: We needn't extract Realtek project production's firmware, just upgrade the .tar file. It will take 4 minutes to upgrade. After upgrading, the ONU will reboot automatically. We needn't reboot it by manual.



Device Reboot

Login the ONU WEB. In the top right corner of the main menu, see the direction of the arrow. Restart the device immediately after application.



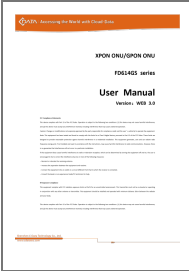
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Documents / Resources

	<p>C-Data FD614GS WEB Management,GPON EPON Auto Detect, SFU Model [pdf] User Manual</p> <p>FD614GS WEB Management GPON EPON Auto Detect SFU Model, FD614GS, WEB Management GPON EPON Auto Detect SFU Model, GPON EPON Auto Detect SFU Model, Auto Detect SFU Model, Detect SFU Model, SFU Model, Model</p>
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References

-  [C-Data Connecting the World with Data Technology](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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