GPON HGU | 4GE+WIFI (Dual-Band) + Voice

User Guide

Version : V1.0



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1 Note

1.1 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 cannot 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.

1.2 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.

1

2 Brief

Realtek series GPON ONU is satisfying with Telecom, Radio and Television(IPTV), and Fiber to the home (FTTH) multi-service access. It's based on the mature, stable, high- cost performance GPON technology and has Gigabit, WLAN technology and powerful routing forwarding technology. Realtek series GPON 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.

Realtek series GPON 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+WIFI (Dual Band GPON HGU, the rest of GPON HGU can be referenced to this document configuration.

2.1 Product Features

- Single-fiber access, providing broadband Wi-Fi, Internet service access, and so on.
- Comply with ITU-T G.984 and IEEE802.3ah technical standards
- WIFI-type equipment exact match 802.11 n/b/g/ac 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

2.2 Product Specifications

- Ambient temperature: 0°C \sim 50°C

- Relative humidity : 10% to 90% (non-condensing)

- Power adapter input : 12 V/1.5A
- TX Optical Power : 0.5~5dBm
- RX Opitcal Power : -8~-28 dBm (GPON)

2.3 Device Interface Definition



www.zoomindustry.com.br | (48) 3279-0400 | 0800 643 5890 | contato@zoomtecnologia.com.br Edifício Office Green - 816 - R. da Praça, 241 - Pedra Branca, Palhoça - SC, 88137-086

2.4 LED Definitions

	Ir	ndicator	Description
1	PWR	Power status	On: The ONU is power on Off: The ONU is Power off
2	WIFI	WIFI	Blinking : Data is being transmitted On : WIFI function Opens
3	LAN1-4	GE port status	On: Ethernet connection is normal Blinking: Data is being transmitted through the Ethernet port Off: Ethernet connection is not set up
4	LOS	GPON optical signals	On: Optical power lower than receiver sensitivity; Off: Optical in normal
5	PON	ONU Register	On: Success to register to OLT Blinking: In process of registering to OLT Off: Failed to register to OLT;
6	TEL	Telephone port status	On : The connection between the TEL port and the voice server has been set up Blinking : The voice service of the TEL port is established. Off : The connection between the TEL port and the voice server is not set up.
7	USB	USB port status	On: USB connection is normal. Off: USB connection is not set up;
8	INT	Internet status indicator	On: The routed WAN Internet access service is normal. Off: The routed WAN Internet access service is abnormal.
9	OPT-DIG	Light intensity indicator	On: higher than ONURX maximum threshold. flashing: lower than ONU RX minimum threshold; off: ONU RX is within the normal threshold range.

2.5 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.

2.6 Applications



- 3 Login Web Management Locally
- 3.1 Physical Connection of ONU and PC
 - a) Local NIC of PC connects to LAN port or ETH port of ONU via wires.
 - b) Set the IP address of PC's local NIC as 192.168.101.X (X : 2-254).

Internet Protocol Version 4 (TCP/IP)	/4) Properties
General	
You can get IP settings assigned au this capability. Otherwise, you need for the appropriate IP settings.	itomatically if your network supports I to ask your network administrator
Obtain an IP address automati	ically
Ouse the following IP address:	
IP address:	192 . 168 . 101 . 20
Subnet mask:	255.255.255.0
Default gateway:	· · ·
Obtain DNS server address au	tomatically
Use the following DNS server a	addresses:
Preferred DNS server:	
Alternate DNS server:	· · ·
Validate settings upon exit	Advanced
	OK Cancel

c) Open cmd windows and make sure that PC can ping the management IP (192.168.101.1) of ONU.

G Administrator: C:\Windows\system32\cmd.exe	
Microsoft Windows [Version 6.1.7601]	*
Copyright (c) 2009 Microsoft Corporation. All rights reserved.	H
C:\Users\tcll>ping 192.168.101.1	
Pinging 192.168.101.1 with 32 bytes of data:	
Reply from 192.168.101.1: bytes=32 time=2ms TTL=64	
Reply from 192.168.101.1: bytes=32 time=1ms TTL=64	
Keply from 192.168.101.1: bytes=32 time=1ms IIL=64	
Nepry 1700 172.100.101.1. Dytes-52 time-105 116-04	
Ping statistics for 192.168.101.1:	
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),	
Approximate round trip times in milli-seconds:	
Minimum = 1ms, Maximum = 2ms, Average = 1ms	
C. WSEPS (CC11/	
	*

3.2 PC Access the WEB of ONU

Make sure you can ping the ONU like #3.1. Open the <u>IE Web browser (IE, Fir</u> <u>efox, Google)</u>, copy and paste URL: <u>http://192.168.101.1</u>, the following pop-up Prom pt landin-g page:

ZOOMnetwörks	
Welcome to XPON ONU	Usemame Password
Input Username : adminisp Password: adminis	.p

Click green button. The product basics page appears, as follows:

ZOOMnetwörks			
🖋 Status	>	Device Name	Modem/Router
Metwork	>	Uptime Firmware Version	2:04 V2.3.4
® VolP	>	Hardware Version Build Information	R710.1A Thu Dec 9 02:17:32 CST 2021
🔠 Application	\rightarrow	Bootloader Version	V3.5 DE226418345E
Security	>	MAC Address	70:a5:6a:18:34:Se
🎄 Admin	>	CPU Usage Memory Usage	4%. 33%
Q Diagnosis	>	Name Servers IPv4 Default Gateway IPv6 Default Gateway	
Reboot Logout			

You can start further configuration.

4 ONU Register Information Config (Only GPON mode)

4.1 View ONU Status

 Login ONU WEB, select Status -> Network information -> PON, view the ONU PON status

ZOOMnetwörks			
A Status 1			
	PON Status		
Device Information	This page shows the current sy	stem status of PON.	
	PON Status		
Network Information 2 😔	PON Mode	GPON	
	Vendor Name	ANSAOEN	
WAN	Part Number	AS60-OG34205	
DOM	Temperature	27.789062 C	
POIN 3	Voltage	3.297700 V	
User Information	Tx Power	No signal	
	Rx Power	No signal	
VoIP Information	Bias Current	0.000000 mA	
Device Statistics	Refresh		
Management Information >			
A Network			

4.2 View ONU Optical Power Information

1Login ONU WEB, select Status ->Network information-> PON, view Rx power and Tx power of ONU :

ZOOMnetwörks			
Å ² Status 1 ♥ Device Information ♦	PON Status This page shows the current	system status of PON.	
Network Information 2	PON Status PON Mode	GPON	
WAN	Vendor Name Part Number	ANSAOEN AS60-0G34205	
PON 3	Voltage Tx Power	3.297700 V No signal	
VoIP Information	Rx Power Bias Current	4 No signal 0.000000 mA	
Device Statistics	Refresh		
Management Information >			
Network >			

4.3 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:

1Login ONU WEB, select Admin ->PON Setting, view or configure LOID and password of ONU :

ZOOMnetwörks		
ZOOMIEtworks		
ද Status	•	
Network	>	GPON Settings This page is used to configure the parameters for your GPON network access.
	•	LOID: 3 LOID Password:
Application	>	SN Password: 1234567890
Security	•	Serial Number: DF226A18345E OMCI OLT Mode: Default Mode
🖗 Admin 1	~	Apply Changes 4
PON Settings 2	•	
Remote Management	>	
User Management	>	
Device Management	>	

5 ONU Register Information Config (Only GPON mode)

5.1 View ONU Status

Login ONU WEB, select Status ->Network information-> PON, view the ONU status :

Jevice Information Device Information Vetwork Information VAN PON VAN PON Juser Information VolP Information VolP Information Device Statistics PON Status Temperature Status Status Status Status Status Status PON Status <	ZOOMnetwörks		
Network Information 2 PON Status WAN PON Mode GPON WAN Part Number ANSAOEN PON 3 Temperature 27.109375 C User Information Voltage 3.297700 V VolP Information Rx Power No signal Device Statistics Bias Current 0.002000 mA	් පිත්ත කරීම කරීම කරීම කරීම කරීම කරීම කරීම කරීම	PON Status This page shows the current	system status of PON.
WANVendor NameANSAOENPart NumberAS60-OG34205PON 3Temperature27.109375 CVoltage3.297700 VUser InformationTx PowerNo signalRx PowerNo signalDevice StatisticsEfferesh	Network Information 2	PON Status PON Mode	GPON
PON 3 Temperature 27.109375 C Voltage 3.297700 V User Information > Tx Power No signal Rx Power No signal Device Statistics > Refresh	WAN	Vendor Name Part Number	ANSAOEN AS60-OG34205
User Information Tx Power No signal VolP Information > Bias Current 0.002000 mA Device Statistics > Refresh	PON 3	Temperature Voltage	27.109375 C 3.297700 V
VolP Information > Bias Current 0.002000 mA Device Statistics > Refresh	User Information >	Tx Power Rx Power	No signal No signal
Device Statistics	VoIP Information	Bias Current Refresh	0.002000 mA
Management Information 8	Device Statistics		
Wanagement information	Network		

5.2 View ONU Optical Power Information

 Login ONU WEB, select Status ->Network information-> PON, view Rx power and Tx power of ONU :

ZOOMnetwörks		
e ^p Status i	PON Status	
Device Information	> This page shows the current syste	m status of PON.
Network Information	PON Status PON Mode	GPON
WAN	Vendor Name Part Number	ANSAGEN AS60-OG34205
PON 3	Temperature Voltage	27.109375 C 3.297700 V
User Information	> Tx Power 4	No signal No signal
VoIP Information	> Bias Current	0.002000 mA
Device Statistics	Refresh	
Management Information	>)	
Network	5	

5.3 LOID Authentication Config

LOID of ONU is mainly applicable of the authentication mode of LOID and LOID + Password for ONU. By default, GPON 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:

 Login ONU WEB, select Admin -> PON Settings ->GPON Settings, view or configure LOID and password of ONU :

ZOOMnet	wörks				
√ Status					
Network		۲	EPON Settings This page is used to con	ofigure the para	meters for your GPON network a
			LOID:		70A56A18345E
IP VolP		3	LOID Password:	*	70A56A18345E
Application		(3)	Apply Changes		
Security		6	5		
3 Admin	1	۲			
PON Settings	3	۲			
EPON Settin	05 - 2				
Remote Manage	ement				
User Manageme	ent	۲			

6 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 cannot 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.

6.1 Route Mode Configuration

6.1.1 Configure PPPoE WAN Connection for Internet in Route Mode

1. Login ONU WEB, select Network -> WAN->WAN, and then there are some parameters for us to configure as follows:

[Enable VIan] We can set this option according to your network plan. If there is vlan in the network for internet, we have to check 'Enable 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.

[802.1p_Mark] Set the priority of vlan, The same as "enable Vlan", depending on the network vlan planning to configure. The default priority is 0.

[Service Type] Choose PPPOE.

[Eable NAPT] Check 'NAPT 'feature ;NAPT 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.

[Admin Status] default is Enable.

[Connect Type] Choose Internet.

[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 broswer.

[IP Protocol] Select 'lpv4'; If there is lpv6 in the network, we can select ' lpv4/lpv6'.

[User Name] Type PPPoE account, normally offered by ISP, for Internet;

[Password] Type PPPoE password, normally offered by ISP, for Internet ;

[Bind port] Bind the physical ports (Lan port 1-4 and wireless) with PPPoE 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).

al Change				
ुन्ध Status	3	PON WAN		
Metwork	1 🔍	This page is used to configure	the parameters for PONWAN	
		nas0_0 🗸		
WAN	2 👻	Enable VLAN:	8	
		VLAN ID:	100	
WAN 3		802,1p_Mark	0	
		Multicast VLAN (D: (1-4095) Service Type:	PODUE W	
LAN	>	Enable NAPT:		
WIAN		Enable QoS:	0	
TTEN!		Admin Status:	trable Disable	
Network Service	5	Connection Type:	RITESHET V	
		MTU:	[1492	
🕅 VoIP	>	Enable IGMP-Proxy:		
		IP Protocol:	and v	
Application	>	000 d		
		PPP Settings:	land 1	
Security	>	Passwort	AD 00.	
Z00M netwörk:	5			
ZOOMnetwörk	3	Connection Type:	(NTERNET V)	
Z00M netwörk: Status	3	Connection Type: MTQ:	INTERNET Y	
ZOOM netwörk: Status Network	3	Connection Type: MTU: Enable IGMP-Proxy: Enable IGMP-Proxy:	INTERNET	
ZOOM netwörk: Status Network	3) ()	Connection Type: MTU: Enable IGMP-Proxy: Enable MID-Proxy: IP Protocol	NTERNET V 1442	
ZOOM netwörk Status Network WAN	5)))	Connection Type: MTU: Enable IGMP-Proxy: Enable MLD-Proxy: IP Protocol: PPP Settings:	NTERNET V 1442	
ZOOM netwörk: Status Network WAN	5 () () ()	Connection Type: MTU: Enable IGMP-Proxy: Enable MLD-Proxy: IP Protocol: PPP Settings: UserName:	INTERNET V 1442	
ZOOM netwörk: Status Network WAN WAN	5)))	Connection Type: MTU: Enable IGMP-Proxy: Enable IGMP-Proxy: IP Protocol: PPP Settings: UserName: Password:	INTERNET V 1442 D Pr4 V	
ZOOM netwörk: Status Network WAN WAN	5)))	Connection Type: MTU: Enable IGMP-Proxy: Enable MUD-Proxy: IP Protocol: PPP Settings: UserName: Password: Type:	INTERNET V 1422 Pr4 V	
ZOOM netwörk: Status Network WAN WAN LAN	3 0 0 0	Connection Type: MTU: Enable IGMP-Proxy: Enable IGMP-Proxy: IP Protocol: PPP Settings: UserName: Password: Type: Idle Time (sec): Automotication Names		
ZOOM netwörks Status Network WAN WAN LAN	5 • • •	Connection Type: MTU: Enable IGMP-Proxy: Enable MLD-Proxy: IP Protocol: PPPS Settings: UserName: Password: Type: Idle Time (sec): Authentication Method): AC-Name:		
ZOOM netwörks Status Network WAN WAN LAN WLAN	3 0 0 0 0 0 0 0 0 0 0 0 0 0	Connection Type: MTU: Enable IGMP-Proxy: Enable MLD-Proxy: IP Protocol: PPPS Settings: UserName: Password: Type: Idle Time (sec): Authentication Method): AC-Name: Service-Name:		
ZOOM netwörks Status Network WAN WAN LAN WLAN	3 () () () () () () () () () ()	Connection Type: MTU: Enable IGMP-Proxy: Enable MLD-Proxy: Enable MLD-Proxy: IP Protocol PPP Settings: UserName: Password: Type: Idle Time (sec): Authantication Mathod): AC-Name: Service-Name: Port Mapping:	NTERNET V 1422 PM V Continuous V AUTO V AUTO V	
ZOOM network Status Network WAN WAN LAN ULAN Network Service	5 () () () () () () () () () ()	Connection Type: MTU: Enable IGMP-Proxy: Enable MLD-Proxy: IP Protocol IP Protocol PPP Settings: UserName: Password: Type: Idle Time (sec): Authorication Mathod: AC-Name: Service-Hame: Port Mapping:		
ZOOM network Status Network WAN WAN LAN ULAN WLAN Network Service	5 × × × × × × × ×	Connection Type: MTU: Enable IGMP-Proxy: Enable MLD-Proxy: IP Protocol: PPP Settings: UserVane: Passiont: Type: Idle Time (sec): Ac-Name: Benvice-Name: Port Mapping: LAN_3 LAN_3	INTERNET 1402 Image: I	
ZOOMnetwörks Status Network WAN WAN LAN ULAN Network Service VoIP	5 () () () () () () () () () ()	Connection Type: MTU: Enable IGMP-Proxy: Enable IGMP-Proxy: IP Protocol: PPP Settings: UserName: Passiont: Type: Idle Time (sec): Ac-Name: Port Mapping: ILAN_3 ILAN_3 ILAN_3		
ZOOMnetwörks Status Network WAN WAN LAN ULAN Network Service VoIP	5 () () () () () () () () () ()	Connection Type: MTU: Enable IGMP-Proxy: Enable MLD-Proxy: IP Protocol: PPP Settings: UserName: Pession: Type: Idle Time (sec): Activation Mathod: AC-Name: Service-Name: Port Mapping: LLAI_1 LLAI_3 WLANO(50) WLANO-APB	INTERNE I	
ZOOM network Status Network WAN WAN LAN ULAN WLAN Network Service VoIP	5 () () () () () () () () () ()	Connection Type: MTU: Enable (MMP-Proxy: Enable (MMP-Proxy: IP Protocol: PPP Settings: UserName: Passnorei: Type: Idle Time (sec): Authentication Mathod: Ac-Name: Service-Name: Port Mapping: ILAN_3 WUAN0(50) WUAN0-AP1 WUAN0(54)	INTERNE 142 Impli	

2. After configuring the parameters of PPPoE WAN connection as above, click 'Apply Changes' to finish the setting.

6.1.2 Configure DHCP WAN Connection for Internet in Route Mode

1. Login ONU WEB, select Network -> WAN->WAN, and then there are some parameters for us to configure as follows:

[Enable VIan] We can set this option according to your network plan. If there is vlan in the network for internet, we have to check 'Enable 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.

[802.1p_Mark] Set the priority of vlan, The same as "enable Vlan", depending on the network vlan planning to configure. The default priority is 0.

[Service Type] Choose IPOE.

[Eable NAPT] Check 'NAPT 'feature ;NAPT 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.

[Admin Status] default is Enable.

[Connect Type] Choose Internet.

[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.

[IP Protocol] Select 'lpv4'; If there is lpv6 in the network, we can select ' lpv4/lpv6'.

[Type] Select 'DHCP'.

[Request DNS] Selected 'enable', the ONU will get DNS from upper DNS server automatically; Selected 'Disable', we have to configure an static DNS for the ONU by manual. We can configure one of them according to network plan.

[Port Mapping] 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 belows, click 'Apply Changes' to finish the setting.

∛ Status	>			
		PON WAN	anamakan for DAMAIAI	
# Network	1 🔍	nas0 0 V		
WAN		Enable VLAN:	8	
WAIN 2		VLAN ID:	100	
WAN a		802.1p_Mark	0 *	
		Multicast VLAN ID: [1-4095]		
LAN	>	Service Type:	[IPoE 🗸	
		Enable NAPT:	8	
WLAN	>	Enable QoS:		
		Admin Status:	Erable Disable	
Network Service	>	Connection Type.		
		Enable IGMP-Proxy:		
NoIP	>	Enable MLD-Proxy:	0	
		IP Protocol:	IPv4 🗸	
Application	>	WAN IP Settings:		
		Type:	O Event 12 O DHCP	
Security	>			
,,,,,,		Local IP Address:		_
ZOOMnetwö	rks	Local IP Address:		
ZOOM netwöi iatus @	rks Type:	Local IP Address:	Cried IP ●DHCP	
ZOOM networ itatus @	Tks Type: Local IP Add	Local IP Address:	Fixed IP ODHCP	
ZOOM networ itatus @ ietwork @	tks Type: Local IP Add Remote IP A	Local IP Address:	Craed IP CP	
ZOOM netwör Itatus @ Ietwork @ NAN @	tks Type: Local IP Add Remote IP A Subnet Masi	Local IP Address:	Fixed IP DHCP	
ZOOM netwör Iatus @ Ietwork @ WAN @	Type: Local IP Add Remote IP A Subnet Masi IP Unnumbe	Local IP Address:	Fixed IP @DHCP	
ZOOM network Isatus @ Isatus @	rks Type: Local IP Add Remote IP A Subnet Masi IP Unnumbe Request DRV	Vess c s	Fixed IP DHCP DH	
ZOOM network itatus @ itetuork @ wan @ wan @	rks Type: Local IP Add Remote IP A Subnet Masi IP Unnumbe Request DRi Primary DNI	Local IP Address: Pesk ddfess: c red: S Server:	Fixed IP @DHCP DHcP DHcP	
ZOOMnetwork Itatus @ Itatus @	tks Type: Local IP Add Remote IP A Subnet Mari IP Unnumbe Request DR Primary DR1 Secondary D	Local IP Address: Vess ddfess: c red: S Server: NS Server :	Fixed IP DHCP Diable D	
ZOOMnetwork Itatus @ Itatus @	tks Type: Local IP Add Remote IP A Subnet Masi IP Unnumbe Request DR Primary DRI Secondary D Port Mapp Port Mapp	Local IP Address: Vess ddfess: c red: S Server: NS Server : ing:	Fixed IP DHCP Diable D	
ZOOMnetwork Ratus @ Ietwork @ WAN @ WAN @ NLAN @ Vetwork Service @ YoIP @	tks Type: Local IP Add Remote IP A Subnet Masi IP Unnumbe Request DN Primary DNS Secondary D Port Mapp € LN1_1	Local IP Address: Vess: ddress: c red: 5 Server: NS Server : ing:	Prized IP ODHCP	
ZOOMnetwör Ratus @ Ietwork @ WAN @ WAN @ NLAN @ Vetwork Service @ /olP @	Type: Local IP Add Remote IP Ad Subnet Mais IP Unnumbe Request DN Primary DNS Secondary D Port Mapp Cat Mapp Cat Map Contact Cat Cat Cat Cat Cat Cat Cat Cat Cat Ca	Local IP Address: Instantion of the second se		
ZOOMnetwör Ratus @ Ietwork @ WAN @ WAN @ NLAN @ Vetwork Service @ /oIP @	Type: Local IP Add Remote IP A Subnet Masi IP Unnumbe Request DN Primary DNS Secondary D Port Mapp © L01,3 CL01,3 CL01,3	Local IP Address: Iress: ddress: c c reed: s: server: NS Server : ing: G)		
ZOOM network Ratus @ Itetwork @ NAN @ WAN @ VLAN @ VLAN @ Vetwork Service @ VoIP @ ecurity @	Type: Local IP Add Remote IP A Subnet Maai IP Unnumbe Request DN Primary DNS Secondary D Port Mapp C IAN_1 C IAN_3 C IAN_3 C IVANOS	Local IP Address: Ireds: c c sserver: NIS Server : inge 0) P1		
ZOOM network Ratus @ Itetuork @ NAN @ WAN @ WAN @ VLAN @ Vetwork Service @ Aroli @ ecurity @ dmin @	Type: Local IP Add Remote IP A Subnet Mass IP Unnumbe Request DN Primary DNS Secondary D Port Mapp CLAN_1 CLAN_3 WULAND-A WULAND-A	Local IP Address:		
ZOOM network tatus () ietwork () WAN () WAN () AN () NLAN () VUAN () upplication () ecurity () dmin ()	Type: Local IP Add Remote IP A Subnet Mais IP Unnumbe Request DN Primary DN Secondary D Port Mapp CLAN_1 CLAN_3 WULAND-A WULAND-A WULAND-A	Local IP Address:	Fixed IP ● DHCP ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	

6.1.3 Configure Static IP Address WAN Connection for Internet in Route Mode

1. Login ONU WEB, select Network->WAN->WAN, and then there are some parameters for us to configure as follows:

[Enable VIan] We can set this option according to your network plan. If there is vlan in the network for internet, we have to check 'Enable 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.

[802.1p_Mark] Set the priority of vlan, The same as "enable Vlan", depending on the network vlan planning to configure. The default priority is 0.

[Service Type] Choose IPOE.

[Eable NAPT] Check 'NAPT 'feature ;NAPT 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.

[Admin Status] default is Enable.

[Connect Type] Choose Internet.

[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 broswer.

[IP Protocol] Select 'lpv4'; If there is lpv6 in the network, we can select 'lpv4/lpv6'.

[Type] Select 'Fixed IP'.

[Local IP Address] Set static IP address;

[Remote Address] Fill in the address of the gateway

[Subnet Mask] Set the mask of static IP address;

[Primary DNS Server] Set static primary DNS address and secondary DNS

[Secondary DNS Server] Set static second DNS address and secondary DNS address:

[Port Mapping] 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).

ZOOMnetwörk	S		
ൿ Status	۲	PON WAN	
Wetwork 1		This page is used to configure the p	arameters for PONWAN
WAN 2	$\overline{\mathbf{v}}$	Enable VLAN: VLAN ID:	100
WAN 3		802.1p_Mark Multicast VLAN ID: [1-4095]	0 ~
LAN	۲	Service Type: Enable NAPT:	IPRE V
WLAN	>	Enable QoS: Admin Status:	Erable ODisable
Network Service	>	Connection Type: MTU:	(NTERNET ~
® VolP	>	Enable IGMP-Proxy: Enable MLD-Proxy:	
B Application	>	IP Protocol:	[IPv4 v]
Security	>	WAN IP Settings: Type:	Greed IP ODHCP
		Local ID Addraw	1 ann 420 ann mì

address;

ZOOMnetwork	S			
e .		MTU:	1500	
No Status	>	Enable IGMP-Proxy:		
		Enable MLD-Proxy:		
Network	*	IP Protocol:	IPv4 🗸	
		WAN IP Settings:		
WAN	~	Туре:	Fixed IP DHCP	
		Local IP Address:	192.168.101.27	
MAN		Remote IP Address:	192.168.101.1	
A COLOR		Subnet Mask:	265 255 255.0	
		IP Unnumbered:		
LAN	>	Request DNS:	O Enable	
		Primary DNS Server:		
WLAN	>	Secondary DNS Server :		
		Port Mapping:		
Network Service	>	DLAN_1	CIAN_2	
		LAN_3	VLAN_4	
© V ID		WLAN0(5G)		
OT VOIP	1	WLAND-AP1	WILANO-AP2	
		WLAND-AP3		
B Application	>	WLAN1(2.4G)		
		WLAN1-AP1	WLAN1-AP2	
う Security	>	WLAN1-AP3		
J		Apply Changes Delete		

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

6.2 Configure Bridge WAN Connection for Internet

1. Login ONU WEB, select Network -> WAN->WAN, and then there are some parameters for us to configure as follows:

[Enable VIan] We can set this option according to your network plan. If there is vlan in the network for internet, we have to check 'Enable VLAN 'option. If not, we needn't check this option, which will be VLAN transparent mode.

[VIan ID] Configure this option according to our network plan.

[802.1p_Mark] Set the priority of vlan, The same as "enable Vlan", depending on the network vlan planning to configure. The default priority is 0.

[Service Type] Choose Bridged.

[Admin Status] default is Enable.

[Connect Type] Choose Internet.

[Port Mapping] 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 conection at the same time).

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

ZOOMINEtwork	5				
° Status	•	PON WAN	ALL DOUDD		
		(and a set of the person			
Network 1	~	Enable VLAN			
INCLWOIK 4		VLAN ID:	100		
		802 to Mark	0 -		
WAN 2	~	Multicast VLAN ID: 11-40951			
		Service Type:	Bridged V		
WAN 3		Enable NAPT:	10		
		Enable QoS:	0		
LAN	>	Admin Status:	Enable ODisable		
		Connection Type:	INTERNET	3	
MAL ANI		Enable IGMP-Proxy:			
WLAIN	0	Enable MLD-Proxy:			
		Port Mapping:			
Network Service	>	DLAN_1		DLAN_2	
		LAN,3		ZLAN_4	
VoIP	>	WLANO(SG)			
		WLAND-AP1		WLANO-AP2	
Application	6	WLAND-AP3			
Approxim		WLAN1(2.4G)			
		WLAN1-AP1		WLAN1-AP2	
Security	>	WLAN1-AP3			

6.3 View the WAN Connection Status

1. Login ONU WEB, select Status ->Network Information->WAN.In here, we can view WAN connection status, check the route WAN connection if it gets an IP address and Bridge WAN connection if it is UP. As follows:

l Status 1	IPv4 Stat	us						
Device Information	WAN Confl Interface read_0	guration VLANID 100	Connection Type Other	Protocol	Ø Address 192.166.101.12	Gateway 192.106.101.1	DNS	Status 112
Network Information 2							8	
WAN 3	IPv6 Stat	US pation						
PON	WAN Conf	guration VLAN I	D Connectio	on Type Protocs		P Address	Status	
User Information								
VoIP Information								
Device Statistics								
Management Information								

6.4 Delete the WAN Connection

Login ONU WEB, select Network ->WAN->WAN, select a WAN connection in the icon in the box of Note 4, and then click the "Delete" button at the bottom of the page to complete the deletion:

A Status	PON WA	IN sed to configure the parameters for PONV	/AN		
	0	v			
Wetwork	Enable VLA	N	2		
	VLAN ID:		100		
WAN 2	802.1p_Mar	k	~		
	Service Type	LAN ID: [1-4095]			
WAN	Enable NAP	rt:	2		
	Enable QoS	i	0		
LAN	Admin Stat	T.	Enable ODisable		
	Connection	Type:	Other V		
WLAN	MTU.	D. Danuel	1600		
	Enable MLD	-Propy			
Network Serv	ice IP Protocol		IPv4 ¥		
Hethork Serv	WAN ID S	ettions			
@ ValP	Type				
VOIP	Local IP Ad	dress:	192.10	58.101.12	
	Remote IP J	Address	192.10	05.101.1	
He Application	Subnet Mai	ac:	255.25	55 255 0	
	10 Harrison	arad .			
	ir unhumb				
Security	Request DN Primary DN	is: 5: Server:	0.0	nable 💮 Disable	
Security	s unfumb Request DA Primary DN	S Server	0	vable 💮 Disable	
 Security ZOOM network 	s unfumb Repert Di Primary DN S	S. S Servec		vable ③ Disable	
 Security ZOOM network Status 	S MTU.	S Server		natile () Disabile	
 Security ZOOM network Status 	S MTU Ender K Ender K	SS Stanae MB-Prog. D LC-Prog. D	00 00	natile () Disabile	
 Security ZOOM network 	S MTU Market DA Primary DN S MTU Enselse Ki Enselse Ki Primary DN	S Same: S Same: Alf-Prop. CD-Prop. St.		nable () Disable	
 Security ZOOM network Network 	S MTU Market DA Primary DN S MTU Enable M Phase WAN IP	Alf-Prop.		nable () Disable	
 Security ZOOM network WAN 	S S MTU	NE-Prop.	00	Opencp	
 Security ZOOM network Network WAN 	S S MTU S A A A A A A A A A A A A A A A A A A	All Andreas	00 ■ 102 ■ 102 ■ 102 102 103 103 103 103 103 103 103 103	CDHCP	
 Security ZOOM network Network WAN WAN 	S S MTU. S MTU. S MTU. Enable f0 Ena	SS Sarver: MB-Prog. Do-Prog. b. Progr. Settings:	00 Py4 V (12 7 104 97 (12 2 105 107 (12 2 105 107 (12 2 105 107)	ODHCP 12 0	
Security ZOOM network Status Network WAN WAN	S S MTU	MB-Proy. b.Proy. b.Proy. b.Proy. b.Proy. b.Settings: Settings: dofest: Settings: beend.	00 Py4 V (162, 168, 197, 192, 256, 256 (192, 256, 256)	Operce 2 5	
Security ZOOM network Commetwork Network WAN WAN	S MTU Primary DN Primary DN S MTU Enable K Primary DN Enable K Primary DN Primary DN Enable K Primary DN Primary DN Prim	SS Server:	00	ODHCP 12 0 0 Ditable	
Security ZOOM network Commetwork Network WAN WAN LAN	S S MTU S MTU S S S S S S S S S S S S S S S S S S S	MP-Prog.	00	ODHCP CDHCP CDHCP CDHCP CDHCP CDHCP	
Security COOM network COOM network COOM network WAN LAN WLAN	S S S S S S S S S S S S S S S S S S S	MB-Prony: AMB-Prony: DD-Prony: b: Settings: dofress: P Address: ask: bened: JND: MG Server: y DMG Server:	00 Py4 V 162 105 107 162 105 107 163 105 105 163	Opecp Coecce	
 Security ZOOM network Status Network WAN WAN LAN WLAN Network Service 	S Arrow of the second of the	All Array All Array	00 Pr4 V F25 205 25 6 205 25 7 7 8 205 25 7 8 20 8 20 8 20 8 20 8 20 8 20 8 20 8 20	ODHCP CD	
Security COOM network COOM network WAN WAN LAN WLAN Network Service	S S ATU Frequent D Frequent S Frequent Freq	AB-Prog.	00 Frid V (6) Fried (9) (10) 101 101 (10)	ODHECP CDHECP	
Security ZOOM network ZOOM network KWAN WAN WAN LAN WLAN Network Service VOIP	S S MTU Enebel S Enebel S MTU Enebel S Enebel	All-Prog.	000	ODHCP CDHCP 12 0 0 0 0 0 0 0 0 0 0 0 0 0	
Security COOM network COOM network WAN LAN WLAN Network Service VoIP	S S MTU Evenest D Frindy DH S S MTU Evenest D Frindy DH S Frindy DH S S S S S S S S S S S S S S S S S S S	AK-Prop.	00 100 100 101 102 102 103 104 102 103 104 102 103 104 104 104 104 104 104 104 104	OPICP 12 1 0 C Ditable MA,2 AN,A NLANC-AP2	
Security COOM network COOM n	S S MTU S S S S S S S S S S S S S S S S S S S	AK-Arap: AK-ARAP: AK-ARA	00	CPHCP 12 1 0 0 0 12 1 0 0 0 0 0 0 0 0 0 0 0 0 0	

7 ONU LAN Configuration

7.1 LAN IP Address Configuration

1. Login ONU WEB, select Network->LAN->IPV4 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.

[Subnet mask] Set the mask of local management IP address of ONU.

[Ethernet to Wireless Blocking] default is Disable.

ം Status	>	LAN Interface Settin This page is used to configure t	tigs the LAN interface of your Device. Here you may change the setting for IP addresses, subnet mask, etc.
Network	~	InterfaceName:	br0
-		IP Address:	192.168.101.1
WAN	>	Subnet Mask:	255 255 255 0
LAN	2 👽	Ethernet to Wireless Blocking: Apply Changes	Disabled Dirabled
IPv4 3		DHCP Settings	
		This page is used to configure I	DHCP Server and DHCP Relay,
WLAN	>	This page is used to configure I DHCP Mode:	DHCP Server and DHCP Relay. ONONE ODHCP Server.
WLAN Network Service	>	This page is used to configure I DHCP Mode: Enable the DHCP Server if you The device distributes number	DHCP Server and DHCP Relay. ONDRE
WLAN Network Service	> >	DHCP Section Sector Configure 1 DHCP Mode: Enable the DHCP Server if you The device distributes number LAN IP Address: 192.168.101.1 IP Pool Range:	DHCP Server and DHCP Relay. ONDRE DHCP Server. Lare using this device as a DHCP server. This page lists the IP address pools available to hosts on your LAI rs in the pool to hosts on your revork as they request internet access. 1 Subnet Mask: 255-255.0 192-168-101.33 = 192.168-101.254 Show Cleart
WLAN Network Service	> > >	DHCP Setting is used to configure I DHCP Mode: Enable the DHCP Server if you The device distributes number LAN IP Address: 192.168.101.1 IP Pool Range: Subnet Mask:	DHCP Server and DHCP Relay. ONDRE ODHCP Server. u are using this device as a DHCP server. This page lists the IP address pools available to hosts on your L rs in the pool to hosts on your relatively as they request Internet access. 1 Submet Mask: 255-255.255.0 192-168.101.33 - 192-168.101.254 Show Client 255-255.255.0

2. After configuring the parameters of LAN address as above, click 'Apply Changes' to finish the setting :

7.2 View LAN Client

Login ONU WEB, select Status ->User Information->Ethernet. View client that access via LAN ports. As follows:

ZOOMnetwörks			
A ^o Status 1 🗸			
	IPv4		
Device Information	LAN Configuration		
Network Information	IP Address	192.168.101.1	
	Subnet Mask	255.255.255.0	
User Information 🔰 😔	DHCP Server	Enabled	
Ethernet 3	MAC Address	70:A5:6A:18:34:5F	
WLAN	IPv6		
V-ID L (LAN Configuration		
VOIP Information	IPv6 Address		
Device Statistics	IPv6 Link-Local Address	fe80::1/64	
	Prefix Delegation		
	Prefix		
A Network			

8 Multicast/IPTV Configuration

8.1 Multicast/IPTV Service Setting

RTK solution ONU multicast / IPTV service settings are mainly through the OLT to configure, including multicast vlan, snooping configuration can be configured through the OLT. The specific configuration can refer to each manufacturer's OLT to configure.

8.2 IGMP Snooping Setting

1. Login ONU WEB, select Application -> IGMP -> IGMP Snooping. Enable or disable IGMP Snooping function and click 'Apply Changes' button to finish the setting as follows:

ZOOMnetwörks	5	
al Status	۲	Igmp snooping Configuration
Wetwork	۲	This page allows you to config IGMP Snooping function.
֎ VoIP	۲	Apply Changes
🗄 Application	1	
IGMP	2	
IGMP Snooping	3	
IGMP Proxy		
NAT	٢	
QoS	\rightarrow	
DDNS		

9 WLAN Configuration

9.1 Wireless 2.4G Wi-Fi configuration

9.1.1 2.4G WLAN Advance Configuration

1. Login ONU WEB, select Network->WLAN->2.4G Advance, and then there are some parameters for us to configure as follows:

[Band] The default is 2.4GHz(B+G+N).

[Country/Region] Choose the corresponding city according to your own area.

[Channel Width] default is 40 MHZ ;

[Channel Number] The default is Auto ; We can select a channel without glitches

by manual according to the surrounding environment ;

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

ZOOM netwörks		
ନ୍ତ Status 🕟		
Metwork 1	Band	2.4 GHz (B+G+N) 🛩
- Network	Country/Region	USA 🗸
WAN	Channel Width	40MHz V
	Channel Number	Auto 🗸
LAN	SGIEnable	
WIAN 2	Enable Isolation	
	Beacon Interval	100 ms
2.4G Basic	Radio Power (%)	100% ~
2.4G Advance 3	Band Steering	(You must ensure that the SSID and password of 2.4G and 5g are completely consistent, before enable the band steering!)
	QoS Type	Enable WMM V
5G Basic	Apply Changes	
5G Advance		
2.4G WPS		

9.2 Wireless 5G Wi-Fi configuration

9.2.1 5G WLAN Advance Configuration

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

[Band] The default is 5GHz(A+N+AC).

[Country/Region] Choose the corresponding city according to your own area.

[Channel Width] default is 80 MHZ ;

[Channel Number] The default is Auto(DFS) ; We can select a channel without

glitches by manual according to the surrounding environment;

ZOOMne	etwörks		
Al Status	۲		
Network	0	Band Country/Region	S GHz (A+N+AC) V USA V
WAN	۲	Channel Width	
LAN	۲	SGIEnable	
WLAN		Enable Isolation Beacon Interval	100 ms
2.4G Basic	0	Radio Power (%) QoS Type	100% v
2.4G Advance		Apply Changes	
5G Basic			
5G Advance			
2.4G WPS			
5G WPS			
Network Service	۲		

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

10 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.

10.1 Configure Channel for TR069 Remote Management

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

ZOOMnetwörk	S		
and Status	۲	PON WAN This page is used to configure t	he parameters for PONWAN
Wetwork	~	nas0_0 V Enable VLAN:	8
WAN	~	VLAN ID: 802.1p Mark	
WAN		Service Type: Enable NAPT:	
LAN	>	Enable QoS:	
WLAN	>	Connection Type:	
Network Service	>	IP Protocol:	IPv4 V
๎֎ VoIP	>	WAN IP Settings: Type:	O Fixed IP O DHCP
B Application	>	Local IP Address: Remote IP Address:	192.168.101.12
Security	\diamond	Subnet Mask: IP Unnumbered:	255.255.255.0

10.2 TR069 Client Configuration

Login ONU WEB, selectAdmin->Remote Management.In this page, we can set ONU's parameter of TR069 client (Username, Password, URL address, connection request username and connection request password).

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

🛛 Security 📀	TR-069 Configuration This page is used to configure the T	R-069 CPE. Here you may change the setting for the ACS's parameters.	
	TR069 Daemon:	Enabled Olisabled	
🕼 Admin 1 🕑	Enable CWMP Paramete:	Enabled ODisabled	
PON Settings	ACS		
	URL	http://	
Remote Management 2 😒	UserName:	username	
	Password:	password	
TR-069 3	Periodic Inform:	ODisabled Enabled	
User Management	Periodic Inform Interval:	300	
	Connection Request		
Device Management	UserName:		
Laurence Cattions	Password:		
Language Settings	Path:	Ar069	
System Log	Port	7547	

11 The Configuration for VoIP

11.1 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 Settings->PORT 1(the operation of Port 2 is the same as Port 1), and then there are some parameters for us to configure as follows:

[Display name] Fill in the Auth User name that can register to the voice server. [Number] Fill in the telephone number.

[Login ID] ID for registration and authentication.

[Password] Fill in the password that can register to the voice server.

[Proxy] Check enable, enable this phone number.

[Register Server] Fill in the Register Server's ip address.

ZOOMnetwö	ŕks		
් ^{විදි} Status	۲	Default Proxy Select Default Proxy	Pravy0 ¥
Metwork	>	Proxy0	Languagement
® VolP	1 🔍	Display Name	819
Port1 2		Login ID	819
Port2		Password Proxy	2 Enable
Advance		Registrar Server Registrar Server Port	5060
Tone		Proxy Addr Proxy Port	5060
Other		SIP Subscribe	Denable
Network		Reg Expire (Sec) Outbound Proxy	3600 Enable
VoIP Call History		Outbound Proxy Port	5060
ZOOMnetwo	ŕrks		
ം Status	>	Session Expire (sec)	1800
① Network	>	Proxy1 Display Name	820
🔊 VoIP	v	Number Login ID	820
Port1		Password Proxy	Enable
Port2		Registrar Server Registrar Server Port	192.168.2.201 5060
Advance		Proxy Addr Proxy Port	5060
Tone		SIP Subscribe SIP Domain	Enable
Other		Reg Expire (sec) Outbound Proxy	3600
Network		Outbound Proxy Addr Outbound Proxy Port	5060
VoIP Call History		Enable Session timer Session Expire (sec)	Enable 1880

NOTE: proxy0 is the first choice, proxy1 is the backup, just fill in proxy0 normally

112 Check the VoIP Register Status and VOIP Call History

1. Login onu's web, select VoIP -> Register Status .

ZOOM networks [®] VoIP 1 ♥	VoIP Register St	atus		
Port1	This page shows the regil	iter status of port		
-	Port	Number	Status	
Port2	1	819	Registered	
Advance	2 Refresh	895	Registered	
Tone				
Other				
Network				
VoIP Call History				
Register Status 2				
Application >				

2. Login onu's web, select VoIP Status->VIP Call History

ZOOMnetwörks							
😰 VolP 1 💉 Port1	VoIP Ca This page sl Refresh	all History hows the VoIP	Call log.				
Port2 Advance	No.	Status	From	То	Туре	Duration	DateTime
Tone							
Other Network							
VoIP Call History 2							
Register Status							

12 Device Management

12.1 Restore Default Setting

Login the ONU WEB. Select Admin -> Device Management ->Backup/Restore. Click 'Reset' button. The device will restore the factory defaults after the application.

ZOOMnetwörks	
Security Admin 1	Backup and Restore Settings This page allows you to backup current settings to a file or restore the settings from the file which was saved previously. Besides, you could reset the current settings to factory default.
PON Settings Remote Management	Backup Settings to File: Backup Restore Settings from File: Choose File No Files Selected Restore
User Management	Reset Settings to Default: Reset
Backup/Restore 3	
Language Settings System Log	

Note: Restore Setting on the ONU WEB is taken effect to WIFI information of ONU and LAN port configuration only. It doesn't take any effect to WAN connection.

12.2 Firmware Upgrade

Login the ONU WEB. Select Admin -> Device Mangement ->Firmware Update. Click 'choose File' 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.

ZOOMnetwörks		
⊘ Security	•	Firmware Upgrade
🎄 Admin 🔒 1		This page allows you upgrade the firmware to the newer version. Please note that do not power off the device during the upload because this make the system unbootable.
PON Settings	•	Choose File No Files Selected
Remote Management	>	Upgrade
User Management	•	
Device Management 2	•	
Backup/Restore		
Firmware Upgrade	3	
Language Settings	>	
System Log	>	

12.3 Device Reboot

Login the ONU WEB. Select. Click 'Reboot'. Restart the device immediately after application.

A Status	>	CRON Cattle		
Network	>	GPON Settings This page is used to configure the para	ameters for your GPON network access.	
		LOID:	E0E8E6ADC6BF	
le VolP	>	LOID Password:	E0E8E6ADC6BF	
B Application	3	SN Password:	1234567890	
		Serial Number:	SN202000001	
Security	>	OMCI OLT Mode:	Default Mode 🗸	
🎒 Admin	\odot	Apply Changes		
9, Diagnosis	٢			

Concluding Remarks

Thanks for using products of ZOOM TECNOLOGIA LTDA

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