I-241W-U User's Manual with product spec.

History Page

Date	Version	Description	Author
2013/01/29	V0	Initial editing.	Kevin Huang

Feature Description: Overview

1 Introduction

The I-241W-U is a GPON ONT which supports

- 4 Gigabit Ethernets
- 2 POTS
- 2 Wi-Fi (2.4G & 5G)
- 1 HomePNA
- 2 USB
- 1 GPON WAN port (32 GEM ports, 128 TCONTs)

Either pure RG model or pure ONT model is supported at one time by downloading different software releases.

In this document, we will briefly introduce the feature of pure RG model and pure ONT model. The more detailed information please refers to related documents.

2 Pure ONT model release

With pure ONT model release, I-241W-U will report to OLT that it contains one Ethernet slot with 4 GE ports, HomePNA and one POTS slot with 2 ports as Figure 1 shown. The Wi-Fi module and USB module are disabled in this mode.



Figure 1

I-241W-U provides VOIP service and L2 bridging service including Multicast service. They are all controlled by OLT.

2.1 VolP

The IP Host interface is dedicated for VOIP service. Single VLAN id could be assigned but different p-bits/DSCP could be assigned for SIP control packets and VOIP data.

ALU's SIP protocol is ported for I-241W-U. VOIP related parameters could be configured through OMCI protocol and downloading VOIP XML file to I-241W-U.

2.2 L2

VLAN tagging, VLAN/p-bit transparent and VLAN/p-bit translation are all supported in each Ethernet port and following OLT VLAN modes could be supported.

- C-VLAN cross-connect
- S+C-VLAN cross-connect
- S-VLAN tunnel cross-connect
- C-VLAN residential-bridge

2.3 Multicast

IGMP snooping is supported and 64 multicast groups.

3 Pure RG model release

With RG model release, it will report to OLT that it contains one VEIP slot with single port and one POTS slot with 2 ports as Figure 2 shown.



Figure 2

I-241W-U provides VOIP service and L3 routing service including Multicast service. In current release, VOIP service is still controlled by OMCI not TR-069. Besides VOIP service, OLT only configures L2/Multicast information for VEIP interface and leaves routing service to ACS's business.

3.1 VolP

The same as pure ONT release. Please see section 2.1.

3.2 VEIP

The OLT must configure all the VLAN/p-bit used by different services: HSI, IPTV, Management and VOIP. (The VOIP interface is reserved for future ACS-controlled VOIP service. In currently release, it is not supported yet.). Also, the Multicast channel VLAN used for IPTV service. It should treat the virtual Ethernet interface just like an Ethernet Port to allow the traffic coming RGW could pass OLT correctly.

After OLT has well configured the L2 path for VEIP interface, the RG service could be controlled by remote ACS via TR069 protocol.

Before ACS could reach I-241W-U, one WAN connection used to connect to ACS server and ACS server information must be configured first in I-241W-U to make sure I-241W-U could communicate with remote ACS and it could be configured by local management interface: Web and TR-064.

3.3 RG interfaces

Basically, the embedded RG in I-241W-U provides up to two LAN interfaces and up to 4 WAN connections in WAN side and it is shown in following figure.



Figure 3

3.3.1 WAN interface

In WAN side, up to 4 WAN connections for following services are supported.

- HIS: Internet service
- IPTV: VoD and Multicast service
- Management: remote management of TR-069 (ACS server)
- VOIP: ACS controlled VOIP service. (Currently, it's not supported yet)

Only HSI and IPTV interfaces used for routing service for LAN devices. Traffic of other interfaces is terminated in I-241W-U. IPoE and PPPoE could be configured for each interface, except IPTV interface does not support PPPoE mode.

Addressing of each interface is individual. Different IP address, gateway and DNS servers could be retrieved by each interface and used for respective service. Since both HSI interface and IPTV interface provide routing service for LAN users, either the gateway of HSI interface or that of IPTV interface must be selected to be the default gateway for routing traffic and both DNS servers of two interfaces must be used for DNS queries coming from LAN side.

Only HSI interface supports IPv6.

3.3.2 LAN interface

There is a main interface (called home network interface) used for home network including 4 Ethernet ports, Dual-band Wi-Fi APs, HomePNA and 2 USB ports. I-241W-U provides an extra LAN interface (called guest network interface) for Wi-Fi guest, there is only one Wi-Fi AP of this extra LAN interface. I-241W-U forbids the traffic between two LAN interfaces, so the packets can not be forwarded between home network interfaces and guest network interfaces.

3.3.2.1 LAN interface for Home Network (Home Network Interface)

All interfaces (4 Ethernet ports, 2 Wi-Fi APs, HomePNA, 2 USB ports) are bridged. The user belonging to home network could reach each other and also use HSI/IPTV service.

The Web/TR-064 could be used to manage I-241W-U from LAN side. I-241W-U also supports UPnP IGD and DLNA service.

IPv6 is supported for home network also.

3.3.2.2 LAN interface for Wi-Fi Guest Network (Guest Network Interfaces)

In order to provide Dual-band Wi-Fi guest network for visitors and protect home network security, an extra LAN interface is provided and two Wi-Fi APs are attached

to these 2.4G and 5G interface. Visitors can access HSI/IPTV service just like home network by Wi-Fi, but they are forbidden to access I-241W-U management interface. UPnP IGD and DLNA service are not supported for Wi-Fi guest network.

3.4 Multicast service

IGMP snooping is supported for home network interface and IGMP proxy is supported in WAN IPTV interface. I-241W-U does not support multicast service on guest network interface.

I-241W-U LED



Power

[Green Solid] Power on [Green Off] Power off

WAN: only for HSI interface

[Green Solid]

IP connected (the device has a WAN IP address from IPCP/DHCP/Static and Broadband link is is up) and no traffic detected. If the IP or PPPoE session is dropped due to an idle timeout, the light will remain green if PON link is still present. If the session is dropped for any other reason, the light is turned off. The light will turn red when it attempts to reconnect and DHCP or PPPoE fails.

[Green and Red Off]

Broadband physical connection power off, device in bridged mode with no IP address assigned to the device, or Broadband physical interface connection not present

[Green Flash]

IP connected and IP Traffic is passing thru the device (either direction)

[Red]

Device attempted to become IP connected and failed (no 802.1x, DHCP, PPPoE, PPPoA response or authentication failure, etc.)

GPON

```
[Red Solid]
No PON detected, (O1)
[Red Flash]
PON connected, but not ranged (O2, O3)
[Green Solid]
Registered and in service (O5)
[Orange Flash]
```

PON connected and ranged, and accepting new provisioning (O5 + OMCI traffic) [Orange Solid] PON registered, but out of service (O6, O7)

GE 1-4

[Green Solid] Link up [Green Off] Link down [Green Flash] Activity

HomePNA

[Green Solid] Link up [Green Off] Link down [Green Flash] Activity

VoIP 1-2

Mode A: without registration status

[Green Solid] Off-hook [Green Off] On-hook

Mode B: with registration status

[Green Solid] Registered and On-hook [Green Off] Unregistered [Green Flash] Registered and Off-hook

Wi-Fi – 2.4G / 5G [Green Solid] WLAN link up [Green Off] WLAN is down or no link connected [Green Flash] WLAN activity

WPS 2.4G / 5G

[Green Solid] "In Progress" and "Success" status [Red Solid] "Error" and "Session Overlap" status

USB

[Green Solid] At least one device which is not a USB hub connected to the USB port [Green Off] No device which is not a USB hub connected to the USB port [Green Flash] Activity

Web interface

4 Introduction

The I-241W-U supports the remote management with web browser (IE, Firefox, chrome... etc).

4.1 Supported Device Info

4.1.1 General Status

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	Hardware Version:	71 1 4 00 00 77 4070		
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Figure 1

4.2 Transceiver Status

In this page, you can see temperature, voltage and power.

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	BXP Peaker 0 (db) TX Peaker 31(db) Voitage 32(0)		

Figure 2

4.3 UPS status

In this page, you can see the status of UPS (Battery, Battery Miss, Battery Replace, Battery Low).

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Welcome	General Transceiver UPS Status Status Status		
admin	Device information -> UPS Status		
Thu Jan 1 01:18:47 1970	States: Battery, Battery Miss, Battery Replace, Battery Low		

Figure 3

5 Supported ONT

5.1 GPON

In this page, you can modify password of GPON and see the status of GPON.

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Figure 4

5.2 Multicasting

In this page, you can see the active group IP address in system.

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Figure 5

5.3 IP Host

In this page, you can see the status of IP host (IP Address, Subnet Mask, Gateway, DNS Server, Mode, RX Statistic and TX Statistic).

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	TX Statistics	
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Figure 6

5.4 VEIP

In this page, you can see the statistic of VEIP.



Figure 7

6 RGW

6.1 WAN

6.1.1 IPv4

In this page, you can add or remove wan connection.

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COLORS SW	Device Info ONT RGW VoIP Diagnosis Management	
Welcome	WAN LAN DNS Proxy NAT Routing Firewall Parental MAC IP IPSec QoS IGMP VLAN USB Device UPnP DLINA	
admin Thu Jan 1 00:21:53 1970	IPv4 IPv6	
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Figure 8-0-1

6.1.1.1 Add WAN - PPPoE

Press "Add".

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Figure 8-1-1

Select PPPoE and service type (multiple selections), setting service description, 802.1p, 802.1q, enable DSCP to P-bit, IPv6 (HSI only) and default gateway (HSI only), press "Next".

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Welcome admin Thu Jan 1 08:25:12 1970	WAN Service Configuration Select WAN Connection type:	
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Figure 8-1-2

Setting PPPoE username, password, service name, AC name and authentication mode. Setting NAT (HIS only), firewall (HIS only), Dial on demand, Use Static IPv4 Address, Enable PPP Debug Mode, Bridge PPPoE Frames Between WAN and Local Ports, press "Next".

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Figure 8-1-3

Setting DNS server, DNS overwrite, press "Next".

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Figure 8-1-4

Checking configuration, press "Apply/Save".

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Figure 8-1-5

Add PPPoE connection complete!

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	TX Statistics	

Figure 8-1-6

6.1.1.2 Add WAN (IPoE)

Press "Add".



Figure 8-2-1

Select IPoE, service type (multiple selections), setting service description, 802.1p, 802.1q, enable DSCP to P-bit, IPv6 (HSI only) and default gateway (HIS or IPTV support), press "Next".

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Welcome admin Thu Jan 1 09:31:21 1970	WAN Service Configuration Select WAN Connection type: PiP over Ethernet (IPPG): Select service type: Incl: Select service type: Incl: PiP incl:<	

Figure 8-2-2

Select Obtain an IP address automatically, setting option60 and 125 or select Use the following Static IP address, setting WAN IP Address, WAN Subnet Mask and WAN gateway IP Address, press "Next".

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Welcome admin	WAN IP Settings Enter information provided to you by your ISP to configure the WAN IP settings. Notice: IF "Obtain an IP address automatically" is chosen, DHCP will be enabled for PVC in IPOE mode. IF "Use the following Static IP address" is chosen, net ret WANI IP address, subnet mask and interface gateway.	
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Figure 8-2-3

You can modify configuration of NAT or firewall if service type include HIS or IPTV, press "Next".



Figure 8-2-4

Setting DNS server and DNS overwrite, press "Next".

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Figure 8-2-5

Checking configuration, press "Apply/Save".

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Figure 8-2-6

Add IPoE connection complete!

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Alcatel-Lucer	GPON Web-Management System	
- OTOLS	Device Info ONT RGW VoIP Diagnosis Management	
Welcome	WAN LAN DNS NAT Routing Firewall Parental MAC IP IPSec QoS IGMP WLAN USB UPNP DLINA	
admin Thu Jan 1 00:36:45 1970	IPv4 IPv6	
	RGW > WAN > IPv4 Choose Add or Remove to configure a WAN service over a selected interface.	
	Interface Description Service Vian6021p Vian6021p Vian6021 RAT Fierward 15 Peak IPv6 IPv6 Mode Status Status Geterrary Geterrary Port	
	vep0.1 goe_vep0 pTv NA NA Excited Excited Disated Disated Disated Disated Disated Children excited and the second se	
	Add Remove	
	PPPoE	
	Interface Username Password Service Authetitation Username Password Service Authetitation Hetbod Use Password P	
	1906	
	Obtain an 1P Address Automatically Static 1P Address Interface Option 60 Vendor 1D Option 61 JUD Service Name DUID WAN IP Address WAN Subnet Mask WAN gateway IP Address	
	Negali e e e e e e e e e e e e e e e e e e e	
	RX Statistics	
	Port Pachels Errors Orspece Overnms Frame Bytes	
	TX Statistics	

Figure 8-2-7

6.1.1.3 Remove WAN connection

Select the WAN connection which you want to remove. You can select more then one connections at a time, press "Remove".

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Alcatel-Lucen	GPON Web-Management System		
TOLINIC SU	Device Info ONT RGW VoIP Diagnosis Management		
Welcome	NS NAT Routing Firewall Parental MAC IP IPSec Qos IGMP WLAN USB UPNP I Control Filter Tunnel Tunnel Oppose Proxy WLAN USB UPNP I		
admin			
Thu Jan 1 00:39:45 1970			
	(-> IPv4 Remove to configure a WMM service over a selected interface.		
	Senire IISTP II	GEM Primary	
	Description Type VlanB021p VlanBuxId NAT Firewall to P-bit IPv4 IPv6 Mode Status Address Gatewa	y Port DNS Remove Server	
	ipoe_veip0 PGV NVA NVA Evolved Evolved Disabled Evolved Disabled DHCP Unconfigured -		
	Add Remove		
	PPP Diafon Demand Use Static PPP Debug Bridge WAN Usomanic Service AC Authetication Hethod Caractivity Timeout) TPV4 Address Bridge WAN		
	Obtain an IP Address Automatically Static IP Address		
	Option 60 Yendur ID Option 61 IAID Service Name DUID WAN IP Address WAN Submet Mask WAN gateway IP Address		
	RX RX <thrx< th=""> RX RX RX<!--</td--><td></td><td></td></thrx<>		
		~	
		>	

Figure 8-3-1

Remove WAN connection complete!

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Alcatel-Lucer	GPON Web-Management System	
TOLOID (1)	Device Info ONT RGW VoIP Diagnosis Management	
Welcome	WAN LAN DNS Proxy NAT Routing Firewall Parental Control MAC Filter IP Tunnel IPSec Tunnel Qos IGMP Proxy WLAN USB Device UPnP DLNA	
admin	10.4 10.6	
Thu Jan 1 00:41:46 1970		
	RGW -> WAN -> 19v4	
	Choose Add or Remove to configure a WAM service over a selected interface.	
	Interface Description Service Vlan8021p Vlan8ux1d NAT Firewall DSCP 1Pv6 1Pv6 Node Status 1P Address Gateway Pot Server Remov	
	(Ad) Remove	
	PPPoE	
	Interface PPP PPD Usersame Password Name Ac Ac Authetication Heitbad Clastick Pv1 PPD Debug Dridge WAN and Clastick Pv1 Name Name Heitbad	
	TPOE	
	Interface Obtain an IP Address Automatically Static IP Address Option 50 Under 50 Option 50 Option 51 Opti	
	Advances a service man advance of them advance wattle point. Average and advances wave advances wave determined wave determined and the version of them advances a	
	RX Statistics Port RX Psichats Errors Dropped Diversion RX Psichats Errors Dropped Diversion Prame Bytes	
	TX Statistics Part TX TX TX TX TX TX Collisions TX Part Parchets Errors Oreganise Contest Overnate Carrier Overnate Ov	
	Ration	
	¢	

Figure 8-3-2

6.1.2 IPv6

This page show IPv6 related information of wan connection.



Figure 8-4-1

6.2 LAN

6.2.1 Setting br0

Setting IP address, subnet mask, select DHCP client or DHCP server and setting IP range, press "Apply/Save".



Figure 9-1-1

Add or remove Static IP Lease List and Reserved IP Address List.

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Alcatel·Lucent	GPON Web-Management System		
Constant of the local data	Device Info ONT RGW VoIP Diagnosis Management		
Welcome	Configure the Broadband Router IP Address and Subnet Mask for LAN Interface. 🔤 🖉		
admin	Setup (Pv4 19 Address: 192.168.2.254		
Thu Jan 1 00:23:18 1970	Subnet Mark: 255.255.0		
	O Enable DHCP Clent		
	DHCP Subnet Mask:		
	Enable DHCP Server Start IP Address: 132,168 2,64		
	End IP Address: 192.168.2.253		
	Leebed Time (nour):		
	Static IP Lease List: (A maximum 32 entries can be configured)		
	MAC Address: ID Address: Remove		
	Reserved IP Address List: (A maximum 1D entries can be configured)		
	Add		
	DHCP Leases Heitname MAC Address ID Address Expirer In		
	Setup - IPv6		
	Static LAN IPv6 Address Configuration		

Figure 9-1-2

Setting parameters of IPv6.



Figure 9-1-3

You can see the statistic of br0.

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Alcatel Lucent	GPON Web-Management System		
E	Device Info ONT RGW VoIP Diagnosis Management		
Welcome admin The Jan 1 00:23:18 1970	Publish server Statility Statil	*	
	Statistics Received Part RX RX RX RX RX br0 5503 0 0 0 0 200702 Statistics Transmitted Pret TX TX TX TX Data of the press/December of the press/Dec		
	Refresh		

Figure 9-1-4

6.2.2 Setting br1 (not support IPv6)

Setting IP address, subnet mask, select DHCP client or DHCP server and setting IP range, press "Apply/Save".



Figure 9-2-1

Add or remove Static IP Lease List and Reserved IP Address List.

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Alcatel Lucent	GPON Web-Management System		
1	Device Info ONT RGW VoIP Diagnosis Management		
Welcome admin	Static IP Leare List: (A maximum 32 estries can be configured) MAC Address: [IP Address: [IP Address] [IP Address] Address IP Address]	*	
Thu Jan 1 00:23:18 1970	Reserved IP Address Lists (A manimum 10 entries can be configured). IP Address Remove Add Remove Add Remove		
	DHCP Leases Hostname MAC Address 10 Address Espire's In		
	Statistics - Received RX RX </td <td></td> <td></td>		
	Dert TX Dytes Dyt		
	(Balireth.)		

Figure 9-2-2

You can see the statistic of br1.

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Alcatel Lucent	GPON Web-Management System		
C	evice Info ONT RGW VoIP Diagnosis Management		
Welcome admin The Jan 1 00/23:19 1970	Static IP Leare Litt (A maximum 32 entries can be configured) MAC Address: [IP Address: Remove Add		
1	brt 0 0 0 0 Statistics Transmitted		
	Part TX T		
	Refresh		

Figure 9-2-3

6.3 DNS Proxy

Setting Host name and Domain name, press "Apply/Save".

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Alcatel-Lucen	GPON Web-Management System
ED TOTO	Device Info ONT RGW VoIP Diagnosis Management
Welcome	WAN LAN DNS Proxy NAT Routing Firewall Parental MAC Control Filter Tunnel Control Filter Tunnel Control Filter Tunnel Control Filter Control
admin Thu Jan 1 01:48:49 1970	RGW -> DNS Proxy Host name of the Broadband Router: Broadcom Domain name of the LAN network: Home Apply/Save

Figure 10

6.4 NAT

You can set this page if there is at least one wan connection in system which enables NAT. You can set DMZ, press "Apply/Save".



Figure 11-1

Add or remove Virtual Server and Port Triggering.



Figure 11-2

6.5 Routing

6.5.1 Default Gateway

You can select the interface to be default gateway if service type of this connection is HIS or IPTV.



Figure 12

6.5.2 Route

In this page, you can add or remove static route.

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Alcatel-Lucen	GPON Web-Management System							
COLORS	Device Info ONT RGW VoIP Diagnosis Management							
Welcome	WAN LAN DNS NAT Routing Firewall Parental MAC IP IPSec Qos IGMP WLAN USB UPNP DLNA							
admin								
Thu Jan 1 00:15:27 1970	Default Gateway Route Neighbor RIP							
	Route table							
Flags: U - up, ! - reject, G - gateway, H - host, R - reinstate								
D - dynamic (redirect), M - modified (redirect).								
	Destination Gateway Subnet Mask Flag Metric Service Interface							
	192.169.2.0 0.0.0.0 255.255.0 U 0 br0							
	Routing Static Route (A maximum 32 entries can be configured)							
	IP Version DstIP/ PrefixLength Gateway Interface metric Remove							
	Add Remove							

Figure 13

6.5.3 Neighbor (IPv6 only)

In this page, you can add or remove neighbor.



Figure 14

6.5.4 RIP

In this page, you can configure IPv4 RIP.



Figure 15

6.6 Firewall

6.6.1 User Control

In this page, you can add or remove outgoing IP filter. And you can also add or remove incoming IP filter if there is at least one wan connection which enables firewall and service type is HIS or IPTV.

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	C CRON	
Alcatel-Lucer	Web-Management System	
LOIDIN	Device Info ONT RGW VoIP Diagnosis Management	
Welcome	WAN LAN DNS NAT Routing Firewall Parental MAC IP IPSec QoS IGMP WLAN USB Device UPAP DLNA	
admin		
Thu Jan 1 00:21:28 1970	Control Control	
	RGW -> Firewall -> User Control	
	Outgoing IP Filtering Setup	
	By default, all outgoing IP braffic from LAN is allowed, but some IP braffic can be BLOCKED by setting up filters.	
	Choose Add on Network to configure outgoing th' Inters. Norman of entries could be configured per UAV dence.	
	- M03	
	Filter Name TP Version Protocol SrcIP/ PrefixLength SrcPort DstIP/ PrefixLength DstPort Remove	
	Renove	
	br1 Outgoing IP Filtering	
	Filter Name IP Version Protocol StcIP/PrefixLength StcPort DstIP/PrefixLength DstPort Remove	
	Resource	
	Incoming IP Filtering Setup	
	When the firewall is enabled on a WAN interface, all incoming IP traffic is BLOCKED. However, some IP traffic can be ACCEPTED by setting up filters.	
	Choise Add or Remove to configure incoming IP Filters. Maximum 128 entries could be configured per WAVI IP interface.	
	ines valed (valed 1 Terromins 10 Filturine	
	pos_veps/veps/amountin/arments	
	Retion	

Figure 16

6.6.2 Operator Control

In this page, you can see firewall of operator but not support to modify.

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Alcatel Lucer	GPON Web-Management System				
at Dis	Device Info ONT RGW VoIP Diagnosis Management				
Welcome	WAN LAN DNS NAT Routing Firewall Parental MAC IP IPSec QoS IGMP WLAN USB Device UPnP DLNA				
Welcome admin Thu Jan 1 00:26:29 1970	WAN LNN PNS NAT Routing Firewall Parenta MAC IP IPSec QoS IGMP WLAN USB UPP DLNA User Operator Control Control Group Pitering Below filter: can be changed only by operator. Britering Filter Name IP Version Protocol SrcIP/ PrefixLength DstIP/ PrefixLength DstPort brit Outgoing IP Filtering Filter Name IP Version Protocol SrcIP/ PrefixLength DstIP/ PrefixLength DstPort DstIP Filtering Filter Name IP Version Protocol SrcIP/ PrefixLength DstIP/ PrefixLength DstPort Locoming IP Filtering Filter Name IP Version Protocol SrcIP/ PrefixLength DstPort DstPort DstIP / PrefixLength DstPort Incoming IP Filtering Incoming IP traffic is BLOCKED. However, some IP traffic will be ACCEPTED by below filters. Below filt				

Figure 17

6.7 Parental Control

6.7.1 Time Restriction

In this page, you can set scheduling of system.



Figure 18

6.7.2 Url Filter

In this page, you can set url filter of system.



Figure 19

6.8 MAC Filter

In this page, you can add or remove allowed MAC for br0 and br1 respectively \circ

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COLOID 200	Device Info ONT R	GW VoIP Diagnosis	Management	
Welcome	WAN LAN DNS NAT Routing	Firewall Parental MAC IP Control Filter Tunnel	IPSec Tunnel QoS IGMP WLAN USI Devi	3 ce UPnP DLNA
admin	RGW -> MAC filter			
Thu Jan 1 00:24:23 1970	Add Allowed MAC Address br0 Allow MAC Address br0 eth0 eth1 eth2 eth3 MAC Address Remove Remove	eth4 wifiAp MAC Address		

Figure 20-1

Select br0 or br1, input allowed MAC address, press "Add".

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Alcatel Lucent	🕜 GPON	Web-Management Sys	stem	
TRATE	Device Info ONT R	GW VoIP Diagnosis Managem	ent	
Welcome admin Thu Jan 1 00:43:18 1970	Add MAC filter Group Name, b () v Allowed Mac A b () b ()	ddress Back Add		

Figure 20-2

Select interface which will refer to allowed MAC address table, press "Apply/Save".

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Alcatel·Lucent 🕐 GPON Web-Management System								
QUAIN 40	Device Info ON	T RGW V	olP Diagno	osis Mar	agement			
Welcome admin Thu Jan 1 00:27:23 1970	WAN LAN DNS Proxy NAT RGW -> MAC filter Add Allowed MAC Address Add Allowed MAC Address Add Allowed MAC Address br0 Allow MAC Address eth0 eth1 eth2 MAC Address MAC Address Remove Remove Remove Remove	eth3 eth4 wife	Parental MAC Control Filter 1 br1 Allow MAC A p wiñAp guest MAC Address Re Remove	IP IPSec Tunnel Tunnel ddress	QoS IGMP Proxy	WLAN USB Devic	_e UPnP E	JINA
	Remove		Remove Apply	y/Save				

Figure 20-3

6.9 IP Tunnel

6.9.1 IPv6 in IPv4

In this page, you can add or remove IPv4 in IPv6.