

# Extralink EPON/ONU **ORION**

## Konfiguracja portu WAN



### **ORION**

**EPON / 4GE/ 2POTS / WIFI**

#### **CECHY:**

- 802.11 N/B/G WIFI
- CZTERY PORTY GIGABIT ETHERNET
- 1 PORT EPON
- DWA PORTY POTS
- W PEŁNI KOMPATYBILNY Z IEEE802.3AH
- OAM AND TR069 DO ZARZĄDZANIA ZDALNEGO
- WEB DO ZARZĄDZANIA LOKALNEGO
- IGMP SNOOPING
- AES-128

W związku z licznymi zapytaniami o konfigurację połączenia portu WAN poniżej zamieszczamy opis, jak w kilku krokach prawidłowo ustawić końcówkę, aby miała połączenie z Internetem.

Domyślny adres IP: 192.168.100.1

Login: CUAdmin

Password: CUAdmin

W pierwszej kolejności wchodzimy w zakładkę „Advanced Setup”, przechodzimy do opcji „WAN” i klikamy na „Add”.

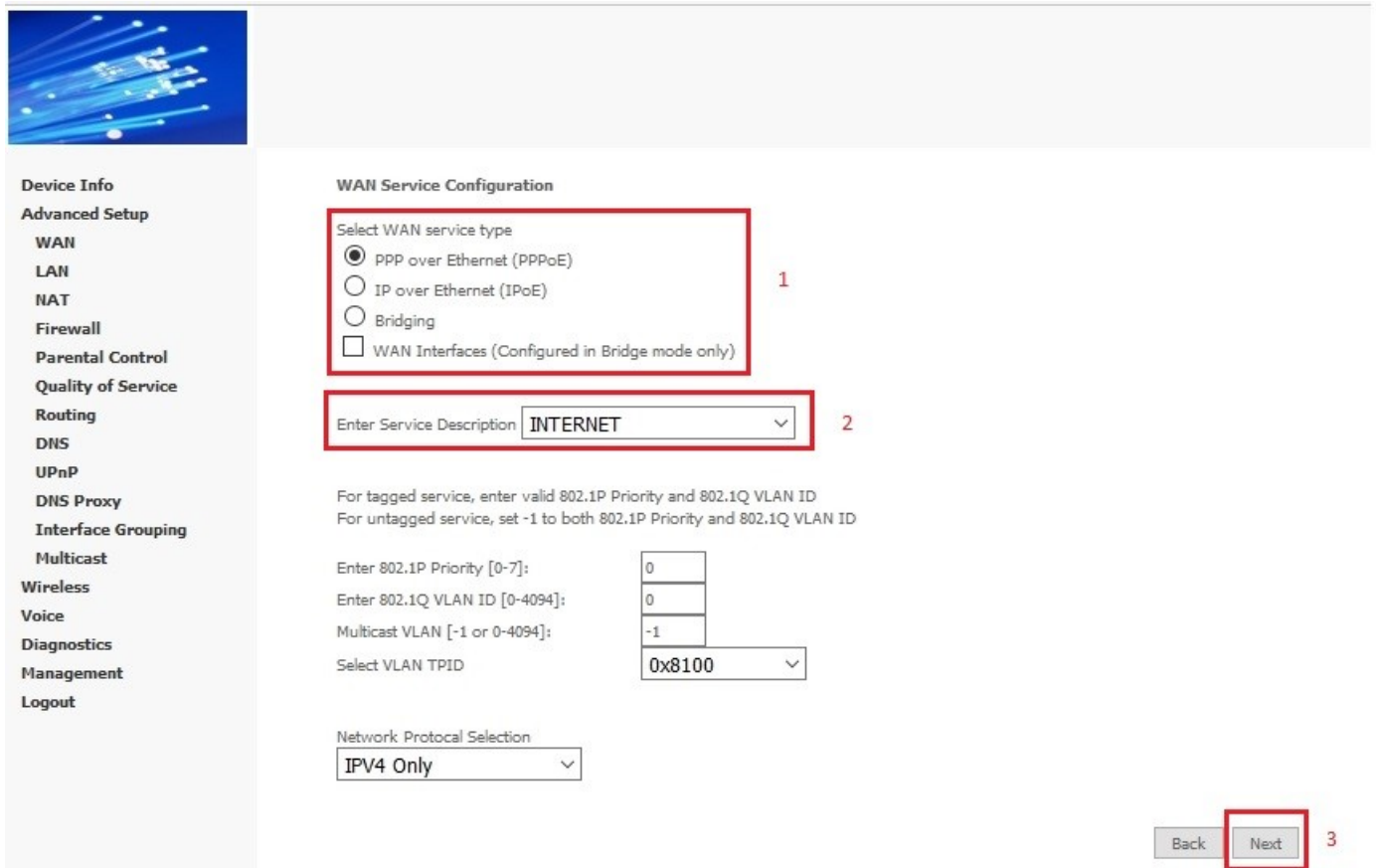
The screenshot shows the 'Wide Area Network (WAN) Service Setup' page. On the left sidebar, 'Advanced Setup' is highlighted with a red box and the number '1', and 'WAN' is highlighted with a red box and the number '2'. The main content area has the title 'Wide Area Network (WAN) Service Setup' and the instruction 'Choose Add, Remove or Edit to configure a WAN service over a selected interface.' Below this is a table with columns: Interface, Description, Type, VLAN priority, VLAN ID, TPID, Multicast VLAN, IGMP Proxy, IGMP Source, NAT, Firewall, IPv6, MLD Proxy, MLD Source, Remove, and Edit. The table contains one row for interface 'epon0.1' with description '1\_TR069\_R\_50' and type 'IPoE'. Below the table, the 'Add' button is highlighted with a red box and the number '3', with a 'Remove' button next to it.

Interface	Description	Type	VLAN priority	VLAN ID	TPID	Multicast VLAN	IGMP Proxy	IGMP Source	NAT	Firewall	IPv6	MLD Proxy	MLD Source	Remove	Edit
epon0.1	1_TR069_R_50	IPoE	0	50	0x8100	-1	Disabled	Disabled	Enabled	Enabled	Disabled	Disabled	Disabled	<input type="checkbox"/>	Edit

Wybieramy rodzaj interfejsu

The screenshot shows the 'WAN Service Interface Configuration' page. On the left sidebar, 'Advanced Setup' is highlighted with a red box and the number '1'. The main content area has the title 'WAN Service Interface Configuration' and the instruction 'Select a layer 2 interface for this service'. Below this is a dropdown menu with 'epon0/epon0' selected. Below the dropdown, the 'Next' button is highlighted with a red box and the number '1', with a 'Back' button next to it.

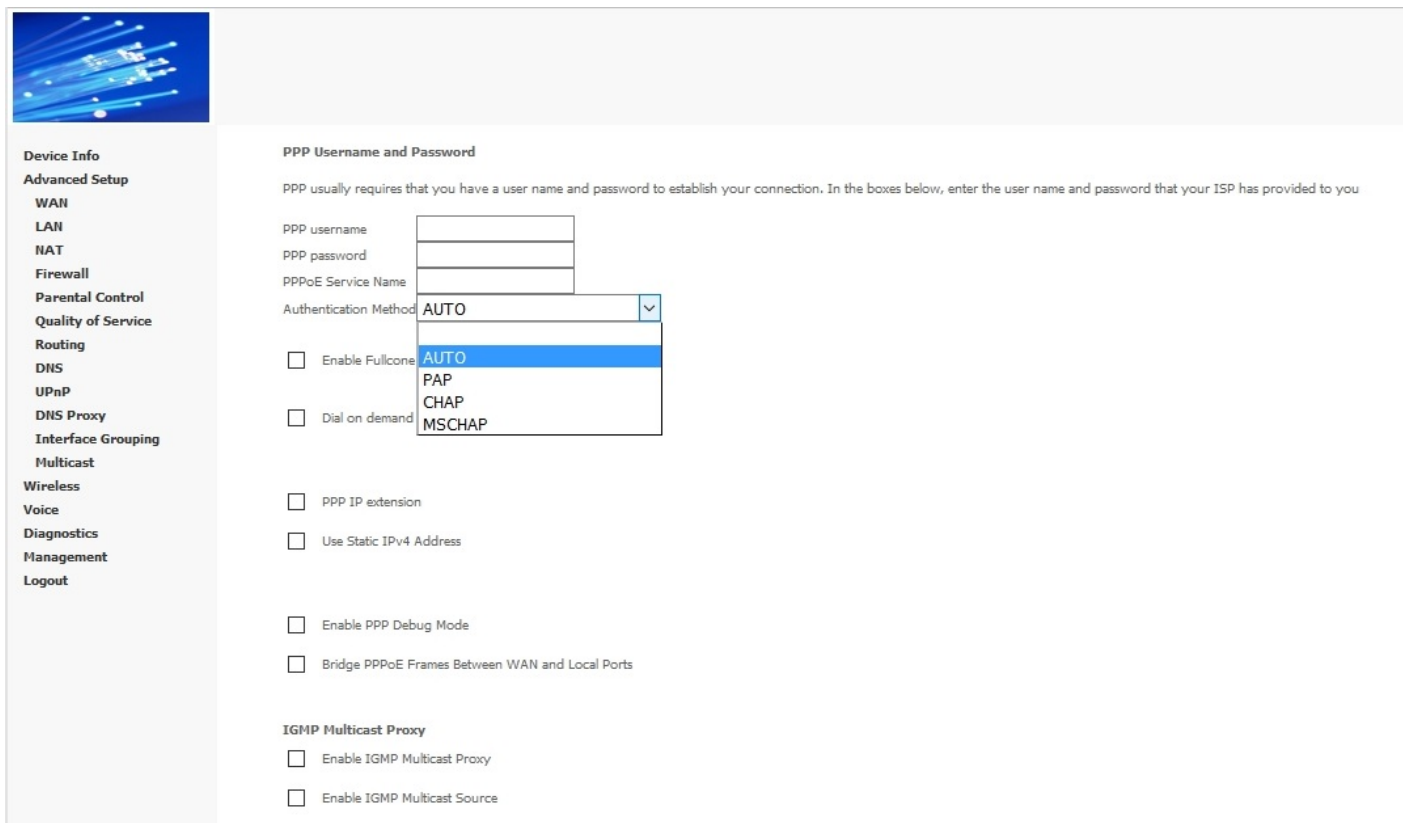
Następnie mamy do wyboru rodzaj połączenia jaki chcemy skonfigurować na interfejsie WAN: PPPoE, IPoE oraz Bridging.



The screenshot shows the 'WAN Service Configuration' page in a network device's web interface. On the left is a navigation menu with categories like 'Device Info', 'Advanced Setup', 'WAN', 'LAN', 'NAT', 'Firewall', 'Parental Control', 'Quality of Service', 'Routing', 'DNS', 'UPnP', 'DNS Proxy', 'Interface Grouping', 'Multicast', 'Wireless', 'Voice', 'Diagnostics', 'Management', and 'Logout'. The main content area is titled 'WAN Service Configuration' and contains several sections:

- Select WAN service type:** A red box labeled '1' highlights four radio button options: 'PPP over Ethernet (PPPoE)' (selected), 'IP over Ethernet (IPoE)', 'Bridging', and 'WAN Interfaces (Configured in Bridge mode only)'.
- Enter Service Description:** A dropdown menu labeled '2' shows 'INTERNET'.
- 802.1P and 802.1Q settings:** Fields for 'Enter 802.1P Priority [0-7]:' (0), 'Enter 802.1Q VLAN ID [0-4094]:' (0), and 'Multicast VLAN [-1 or 0-4094]:' (-1). A 'Select VLAN TPID' dropdown shows '0x8100'.
- Network Protocol Selection:** A dropdown menu shows 'IPv4 Only'.
- Navigation:** 'Back' and 'Next' buttons are at the bottom right, with 'Next' highlighted by a red box labeled '3'.

## PPPoE



The screenshot shows the 'PPP Username and Password' configuration page. The left navigation menu is identical to the previous page. The main content area is titled 'PPP Username and Password' and includes the following sections:

- PPP Username and Password:** Text explaining that PPP usually requires a username and password. Below are input fields for 'PPP username', 'PPP password', and 'PPPoE Service Name'.
- Authentication Method:** A dropdown menu showing 'AUTO' selected, with a list of options: 'AUTO', 'PAP', 'CHAP', and 'MSCHAP'.
- Options:** Several checkboxes are present:
  - Enable Fullcone
  - Dial on demand
  - PPP IP extension
  - Use Static IPv4 Address
  - Enable PPP Debug Mode
  - Bridge PPPoE Frames Between WAN and Local Ports
- IGMP Multicast Proxy:** Two checkboxes:
  - Enable IGMP Multicast Proxy
  - Enable IGMP Multicast Source

Ustawiamy wszystkie parametry potrzebne do nawiązania sesji: Username, password, authentication metod, IGMP Multicast itd. i klikamy „Next”.

Device Info  
Advanced Setup  
WAN  
LAN  
NAT  
Firewall  
Parental Control  
Quality of Service  
Routing  
DNS  
UPnP  
DNS Proxy  
Interface Grouping  
Multicast  
Wireless  
Voice  
Diagnostics  
Management  
Logout

Routing -- Default Gateway

Default gateway interface list can have multiple WAN interfaces served as system default gateways but only one will be used according to the priority with the first being the highest and the last one the lowest priority if the WAN interface is connected. Priority order can be changed by removing all and adding them back in again.

Selected Default Gateway Interfaces: epon0.2

Available Routed WAN Interfaces: ppp0.2, epon0.1

IPv6: Select a preferred wan interface as the system default IPv6 gateway

Selected WAN Interface: pppoe\_epon0\_0/ppp0.2

Back Next

Pojawia się kolejne okno „Ruting – Default Gateway” – klikamy „Next” 😊

Device Info  
Advanced Setup  
WAN  
LAN  
NAT  
Firewall  
Parental Control  
Quality of Service  
Routing  
DNS  
UPnP  
DNS Proxy  
Interface Grouping  
Multicast  
Wireless  
Voice  
Diagnostics  
Management  
Logout

Select DNS Server Interface from available WAN interfaces OR enter static DNS server IP addresses for the system. In ATM mode, if only a single PVC with IPoA or static IPoE protocol is configured, Static DNS server IP addresses must be entered. DNS Server Interfaces can have multiple WAN interfaces served as system dns servers but only one will be used according to the priority with the first being the highest and the last one the lowest priority if the WAN interface is connected. Priority order can be changed by removing all and adding them back in again.

Select DNS Server Interface from available WAN interfaces:

Selected DNS Server Interfaces: ppp0.2

Available WAN Interfaces: epon0.1

Use the following Static DNS IP address:

Primary DNS Server: 8.8.8.8

Secondary DNS Server:

1

IPv6: Select the configured WAN interface for IPv6 DNS server information OR enter the static IPv6 DNS server Addresses. Note that selecting a WAN interface for IPv6 DNS server will enable DHCPv6 Client on that interface.

Obtain IPv6 DNS info from a WAN interface:

WAN Interface selected: pppoe\_epon0\_0/ppp0.2

Use the following Static IPv6 DNS address:

Primary IPv6 DNS server:

Secondary IPv6 DNS server:

Back Next 2

Wpisujemy serwery DNS poczym ponownie klikamy „Next”



- Device Info
- Advanced Setup
- WAN
- LAN
- NAT
- Firewall
- Parental Control
- Quality of Service
- Routing
- DNS
- UPnP
- DNS Proxy
- Interface Grouping
- Multicast
- Wireless
- Voice
- Diagnostics
- Management
- Logout

### WAN Setup - Summary

Make sure that the settings below match the settings provided by your ISP

Connection Type	PPPoE
NAT	Enabled
Enable Fullcone NAT	Disabled
Firewall	Enabled
IGMP Multicast Proxy	Disabled
IGMP Multicast Source	Disabled
MLD Multicast Proxy:	Disabled
MLD Multicast Source Enabled:	Disabled
Quality Of Service	Disabled

Click "Apply/Save" to have this interface to be effective. Click "Back" to make any modifications

Back **Apply/Save** !!!

Klikamy „**Apply/Save**” i gotowe ....

## IPoE



- Device Info
- Advanced Setup
- WAN
- LAN
- NAT
- Firewall
- Parental Control
- Quality of Service
- Routing
- DNS
- UPnP
- DNS Proxy
- Interface Grouping
- Multicast
- Wireless
- Voice
- Diagnostics
- Management
- Logout

### WAN Service Configuration

Select WAN service type

- PPP over Ethernet (PPPoE)
- IP over Ethernet (IPoE)
- Bridging

Enter Service Description

For tagged service, enter valid 802.1P Priority and 802.1Q VLAN ID  
For untagged service, set -1 to both 802.1P Priority and 802.1Q VLAN ID

Enter 802.1P Priority [0-7]:   
Enter 802.1Q VLAN ID [0-4094]:   
Multicast VLAN [-1 or 0-4094]:   
Select VLAN TPID:

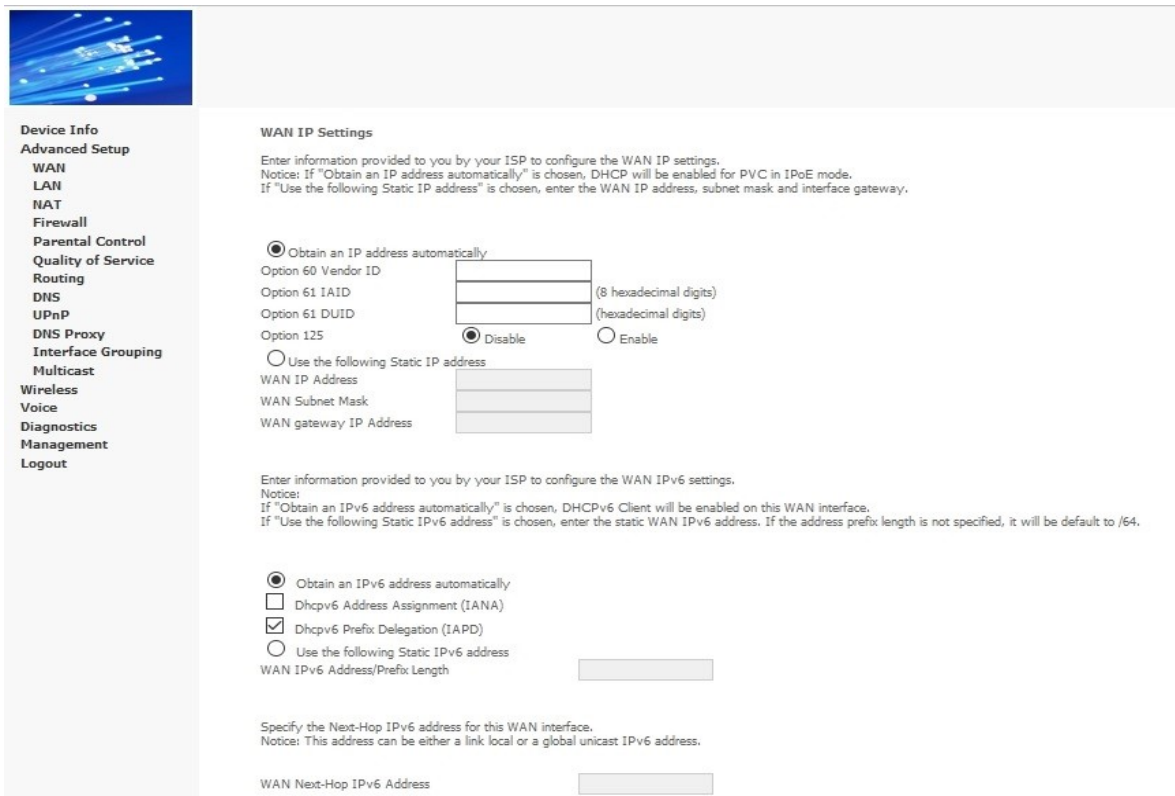
Network Protocol Selection

- 
- IPV4 Only
- IPv4&IPv6(Dual Stack)**
- IPV6 Only

Back Next

Kolejna opcja konfiguracji opiera się o protokół IPV4 oraz IPV6.

## Do wybory mamy albo opcję DHCP:



**Device Info**  
**Advanced Setup**  
WAN  
LAN  
NAT  
Firewall  
Parental Control  
Quality of Service  
Routing  
DNS  
UPnP  
DNS Proxy  
Interface Grouping  
Multicast  
Wireless  
Voice  
Diagnostics  
Management  
Logout

### 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, enter the WAN IP address, subnet mask and interface gateway.

Obtain an IP address automatically

Option 60 Vendor ID

Option 61 IAID  (8 hexadecimal digits)

Option 61 DUID  (hexadecimal digits)

Option 125  Disable  Enable

Use the following Static IP address

WAN IP Address

WAN Subnet Mask

WAN gateway IP Address

Enter information provided to you by your ISP to configure the WAN IPv6 settings.  
Notice:  
If "Obtain an IPv6 address automatically" is chosen, DHCPv6 Client will be enabled on this WAN interface.  
If "Use the following Static IPv6 address" is chosen, enter the static WAN IPv6 address. If the address prefix length is not specified, it will be default to /64.

Obtain an IPv6 address automatically

Dhcpv6 Address Assignment (IANA)

Dhcpv6 Prefix Delegation (IAPD)

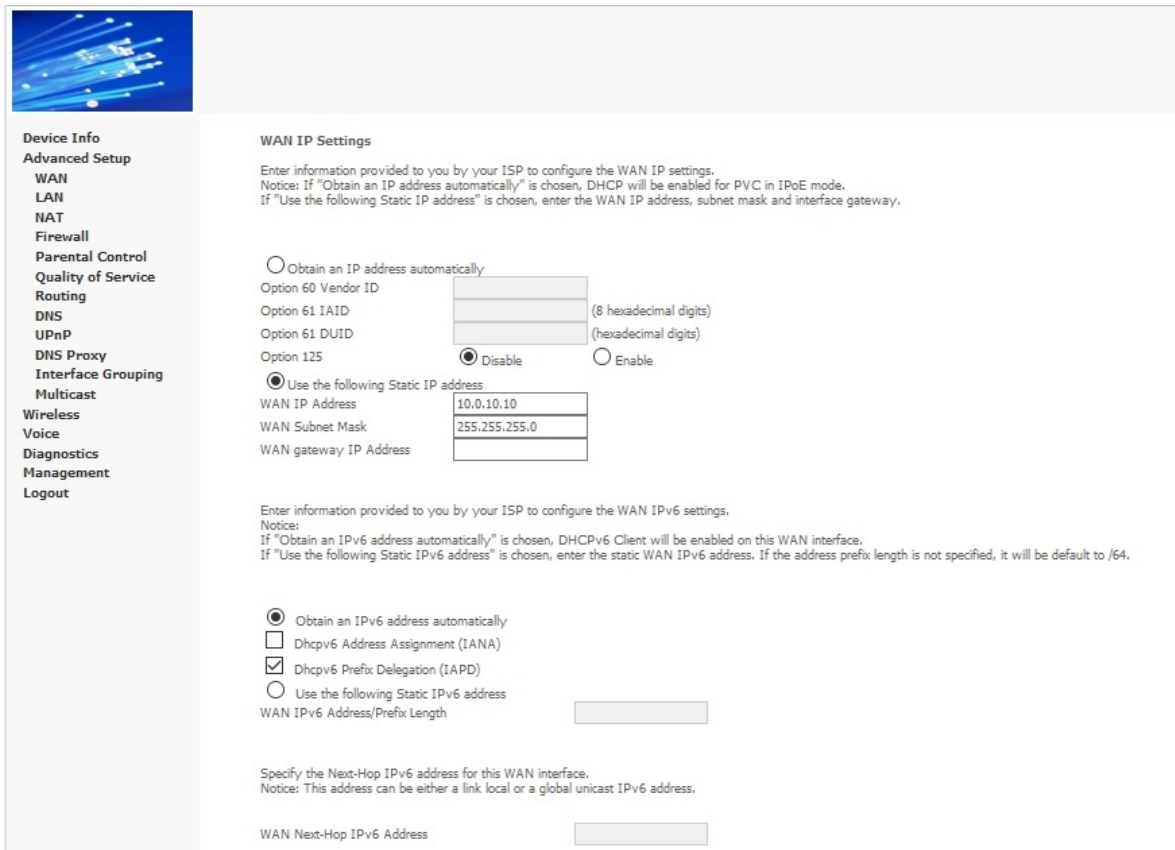
Use the following Static IPv6 address

WAN IPv6 Address/Prefix Length

Specify the Next-Hop IPv6 address for this WAN interface.  
Notice: This address can be either a link local or a global unicast IPv6 address.

WAN Next-Hop IPv6 Address

## albo STATIC IP:



**Device Info**  
**Advanced Setup**  
WAN  
LAN  
NAT  
Firewall  
Parental Control  
Quality of Service  
Routing  
DNS  
UPnP  
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Interface Grouping  
Multicast  
Wireless  
Voice  
Diagnostics  
Management  
Logout

### 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, enter the WAN IP address, subnet mask and interface gateway.

Obtain an IP address automatically

Option 60 Vendor ID

Option 61 IAID  (8 hexadecimal digits)

Option 61 DUID  (hexadecimal digits)

Option 125  Disable  Enable

Use the following Static IP address

WAN IP Address

WAN Subnet Mask

WAN gateway IP Address

Enter information provided to you by your ISP to configure the WAN IPv6 settings.  
Notice:  
If "Obtain an IPv6 address automatically" is chosen, DHCPv6 Client will be enabled on this WAN interface.  
If "Use the following Static IPv6 address" is chosen, enter the static WAN IPv6 address. If the address prefix length is not specified, it will be default to /64.

Obtain an IPv6 address automatically

Dhcpv6 Address Assignment (IANA)

Dhcpv6 Prefix Delegation (IAPD)

Use the following Static IPv6 address

WAN IPv6 Address/Prefix Length

Specify the Next-Hop IPv6 address for this WAN interface.  
Notice: This address can be either a link local or a global unicast IPv6 address.

WAN Next-Hop IPv6 Address



- Device Info
- Advanced Setup
- WAN
- LAN
- NAT
- Firewall
- Parental Control
- Quality of Service
- Routing
- DNS
- UPnP
- DNS Proxy
- Interface Grouping
- Multicast
- Wireless
- Voice
- Diagnostics
- Management
- Logout

### Network Address Translation Settings

Network Address Translation (NAT) allows you to share one Wide Area Network (WAN) IP address for multiple computers on your Local Area Network (LAN)

- Enable NAT
- Enable Fullcone NAT
- Enable Firewall

### IGMP Multicast

- Enable IGMP Multicast Proxy
- Enable IGMP Multicast Source
  
- Enable MLD Multicast Proxy
- Enable MLD Multicast Source

Back Next



- Device Info
- Advanced Setup
- WAN
- LAN
- NAT
- Firewall
- Parental Control
- Quality of Service
- Routing
- Default Gateway
- DNS
- UPnP
- DNS Proxy
- Interface Grouping
- Multicast
- Wireless
- Voice
- Diagnostics
- Management
- Logout

### Routing -- Default Gateway

Default gateway interface list can have multiple WAN interfaces served as system default gateways but only one will be used according to the priority, with the first being the highest and the last one the lowest priority if the WAN interface is connected. Priority order can be changed by removing all and adding them back in again.

Selected Default Gateway Interfaces		Available Routed WAN Interfaces
epon0.2	<input type="button" value="➔"/> <input type="button" value="➜"/>	epon0.1

IPv6: Select a preferred wan interface as the system default IPv6 gateway

Selected WAN Interface: poe\_epon0\_0/epon0.2

Back Next



- Device Info
- Advanced Setup
- WAN
- LAN
- NAT
- Firewall
- Parental Control
- Quality of Service
- Routing
- Default Gateway
- DNS
- UPnP
- DNS Proxy
- Interface Grouping
- Multicast
- Wireless
- Voice
- Diagnostics
- Management
- Logout

Select DNS Server Interface from a available WAN interfaces OR enter static DNS server IP addresses for the system. In ATM mode, if only a single PVC with IPv6 or static IPv6 protocol is configured, Static DNS server IP addresses must be entered. DNS Server Interfaces can have multiple WAN interfaces served as system dns servers but only one will be used according to the priority with the first being the highest and the last one the lowest priority if the WAN interface is connected. Priority order can be changed by removing all and adding them back in again.

Select DNS Server Interface from available WAN interfaces:

Selected DNS Server Interfaces		Available WAN Interfaces
epon0.2	<input type="button" value="➔"/> <input type="button" value="➜"/>	epon0.1

Use the following Static DNS IP address:  
 Primary DNS Server:   
 Secondary DNS Server:

IPv6: Select the configured WAN interface for IPv6 DNS server information OR enter the static IPv6 DNS server Addresses. Note that selecting a WAN interface for IPv6 DNS server will enable DHCPv6 Client on that interface.


Obtain IPv6 DNS info from a WAN interface:  
 WAN Interface selected: poe\_epon0\_0/epon0.2

Use the following Static IPv6 DNS address:  
 Primary IPv6 DNS server:   
 Secondary IPv6 DNS server:

Back Next

# BRIDGING

Ostatnią opcją jest tryb Bridge. Jest chyba to najprostsza opcja konfiguracji:



**Device Info**  
Advanced Setup  
WAN  
LAN  
NAT  
Firewall  
Parental Control  
Quality of Service  
Routing  
DNS  
UPnP  
DNS Proxy  
Interface Grouping  
Multicast  
Wireless  
Voice  
Diagnostics  
Management  
Logout

### WAN Service Configuration

Select WAN service type


PPP over Ethernet (PPPoE)  
 IP over Ethernet (IPoE)  
 Bridging

Allow as IGMP Multicast Source  
 Allow as MLD Multicast Source

Enter Service Description:

For tagged service, enter valid 802.1P Priority and 802.1Q VLAN ID  
For untagged service, set -1 to both 802.1P Priority and 802.1Q VLAN ID

Enter 802.1P Priority [0-7]:   
Enter 802.1Q VLAN ID [0-4094]:   
Multicast VLAN [-1 or 0-4094]:   
Select VLAN TPID:



**Device Info**  
Advanced Setup  
WAN  
LAN  
NAT  
Firewall  
Parental Control  
Quality of Service  
Routing  
DNS  
UPnP  
DNS Proxy  
Interface Grouping  
Multicast  
Wireless  
Voice  
Diagnostics  
Management  
Logout

### WAN Setup - Summary

Make sure that the settings below match the settings provided by your ISP

Connection Type	Bridge
NAT	Enabled
Enable Fullcone NAT	Disabled
Firewall	Disabled
IGMP Multicast Proxy	Disabled
IGMP Multicast Source	Disabled
MLD Multicast Proxy:	Disabled
MLD Multicast Source Enabled:	Disabled
Quality Of Service	Disabled

Click "Apply/Save" to have this interface to be effective. Click "Back" to make any modifications

I gotowe 😊