

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

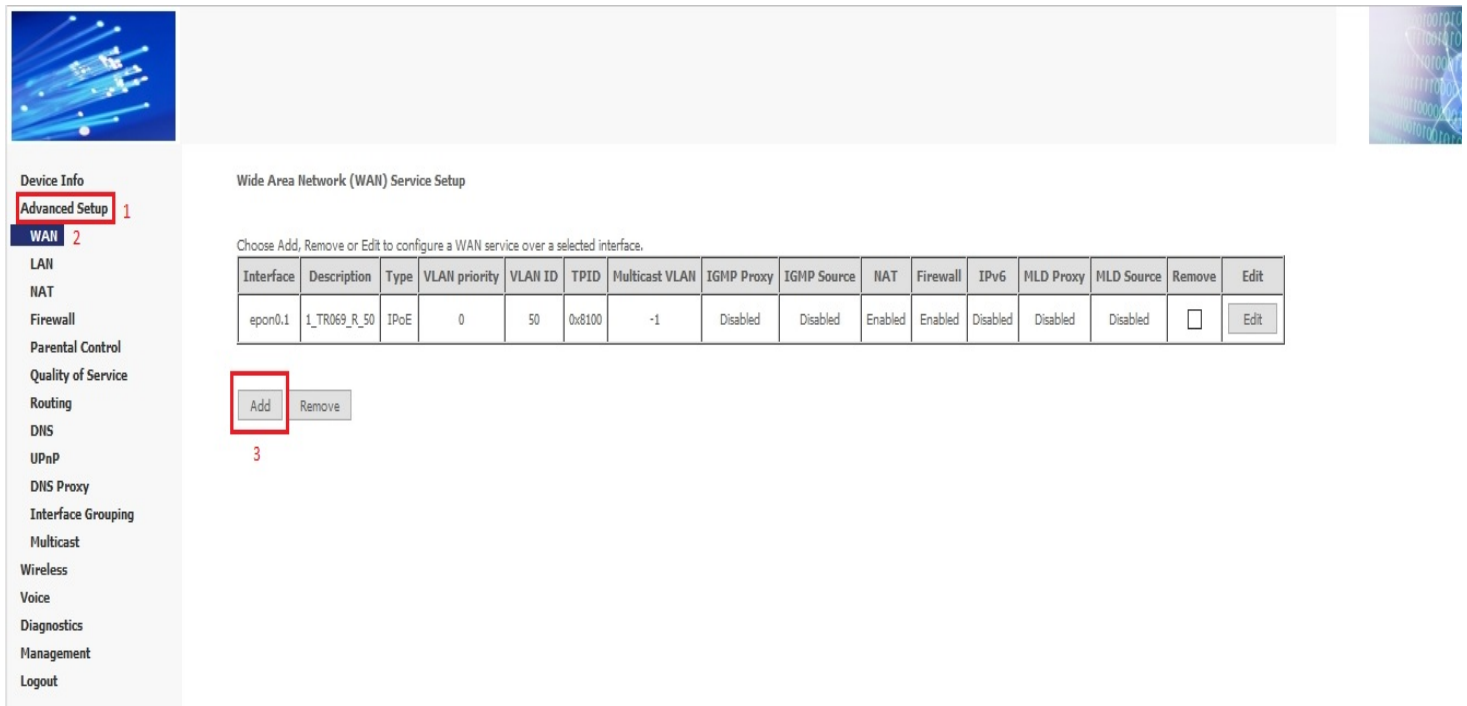
W związku z licznymi zapytaniami o konfigurację połączenia portu WAN poniżej zamieszczamy opis, jak w kilku krokach prawidłowo ustawić końcówkę, aby miała połączenie z Internetem.

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”.



Device Info

Advanced Setup 1

WAN 2

LAN

NAT

Firewall

Parental Control

Quality of Service

Routing

DNS

UPnP

DNS Proxy

Interface Grouping

Multicast

Wireless

Voice

Diagnostics

Management

Logout

Wide Area Network (WAN) Service Setup

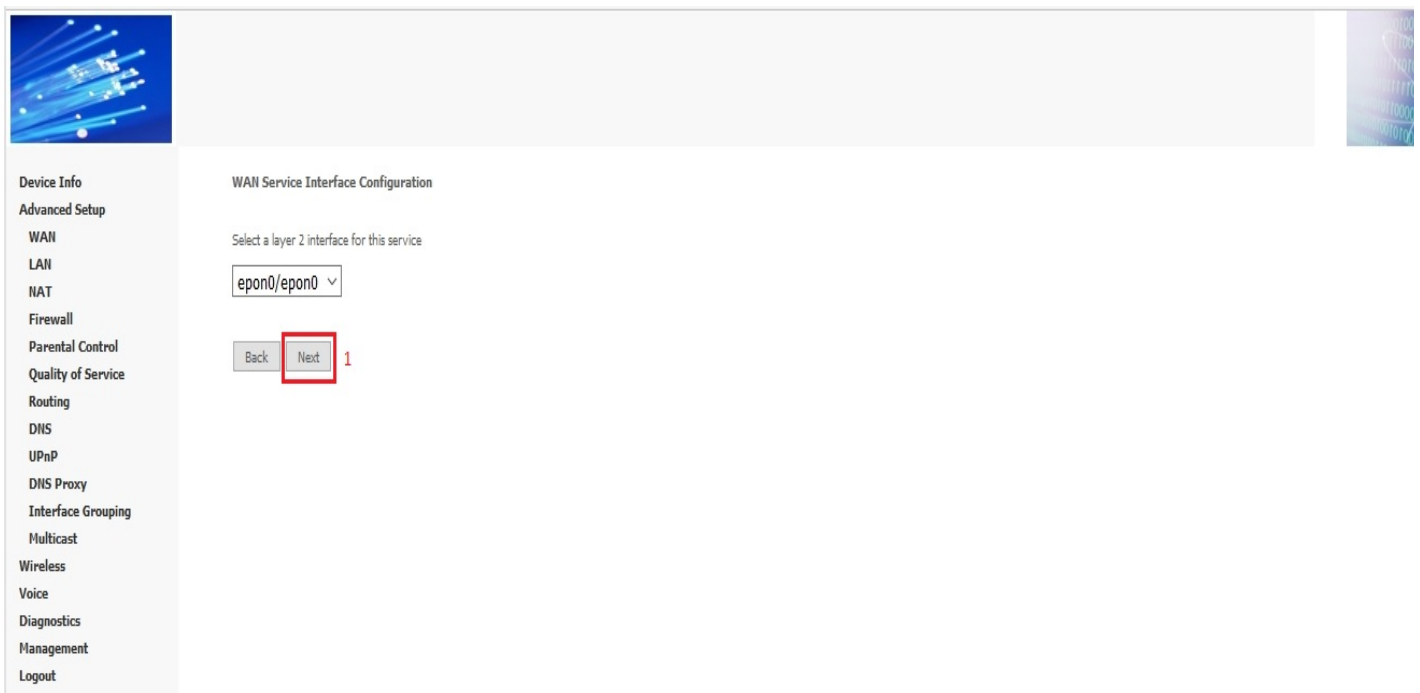
Choose Add, Remove or Edit to configure a WAN service over a selected interface.

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	☐	Edit

Add Remove

3

Wybieramy rodzaj interfejsu



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 Interface Configuration

Select a layer 2 interface for this service

epon0/epon0 v

Back Next 1

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



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
☐ WAN Interfaces (Configured in Bridge mode only)

Enter Service Description: **INTERNET**

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

PPPoE



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

PPP Username and Password

PPP usually requires that you have a user name and password to establish your connection. In the boxes below, enter the user name and password that your ISP has provided to you

PPP username:
PPP password:
PPPoE Service Name:
Authentication Method:

☐ 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
☐ 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

DNS

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 INTERNET

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]: 0
Enter 802.1Q VLAN ID [0-4094]: 0
Multicast VLAN [-1 or 0-4094]: -1
Select VLAN TPID 0x8100

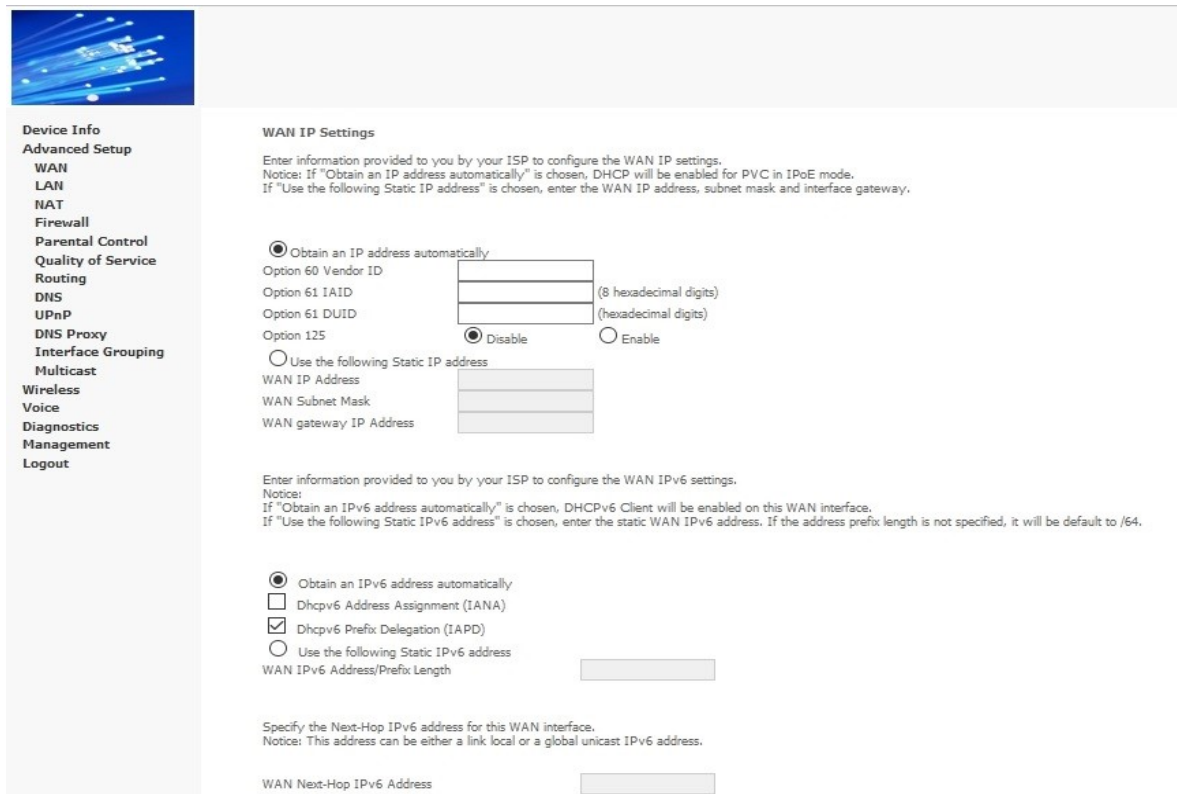
Network Protocol Selection

IPv4 Only
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:



The screenshot shows the 'WAN IP Settings' page of a router's configuration interface. The left sidebar contains a menu with options: 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 'WAN' option is selected. The main content area is titled 'WAN IP Settings' and includes instructions for configuring WAN IP settings. It features two main sections: one for IPv4 and one for IPv6. In the IPv4 section, the 'Obtain an IP address automatically' radio button is selected. Below it, there are input fields for 'Option 60 Vendor ID', 'Option 61 IAID', 'Option 61 DUID', and 'Option 125'. The 'Option 125' section has 'Disable' selected. In the IPv6 section, the 'Obtain an IPv6 address automatically' radio button is selected. Below it, there are checkboxes for 'Dhcpv6 Address Assignment (IANA)' and 'Dhcpv6 Prefix Delegation (IAPD)', both of which are checked. There is also a section for '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

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 (8 hexadecimal digits)

Option 61 IAID (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)

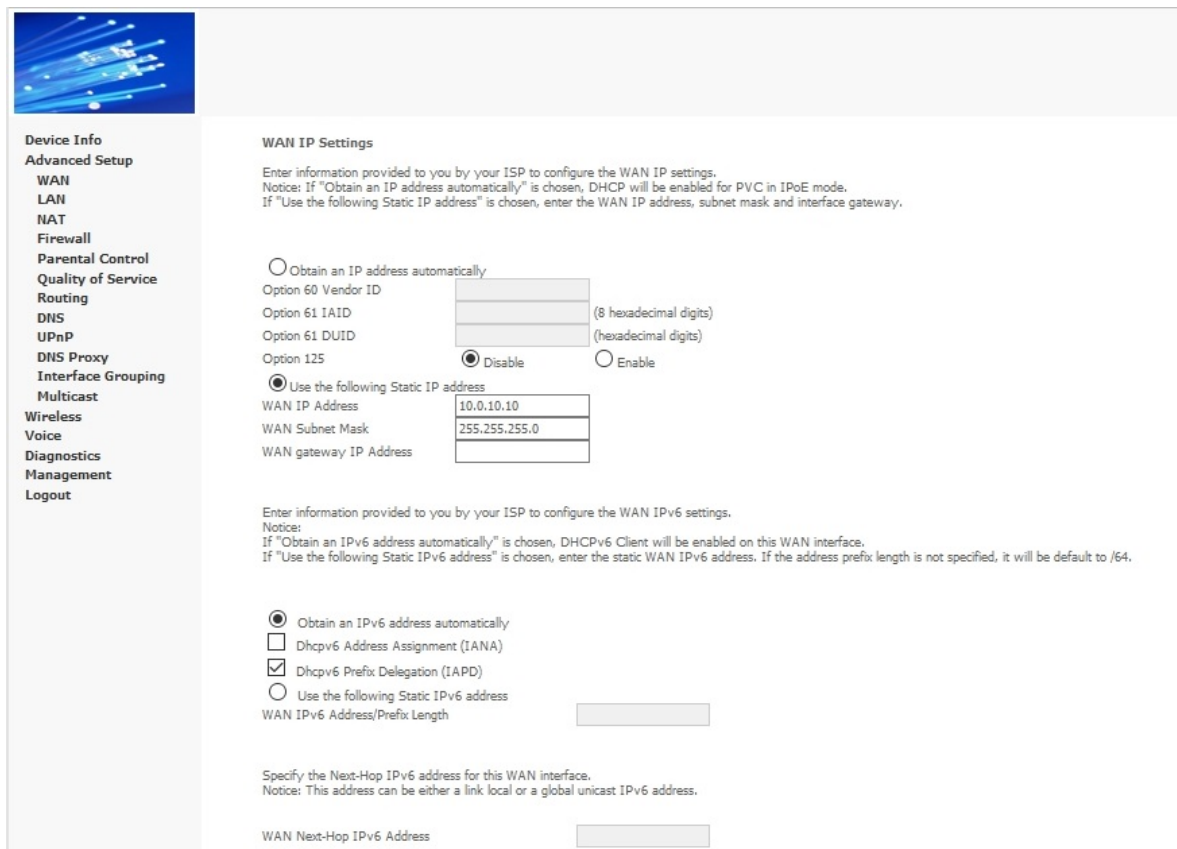
☐ Use the following Static IPv6 address

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:



This screenshot shows the same 'WAN IP Settings' page as the previous one, but with the 'Use the following Static IP address' radio button selected. The IPv4 section now has input fields for 'WAN IP Address' (10.0.10.10), 'WAN Subnet Mask' (255.255.255.0), and 'WAN gateway IP Address'. The IPv6 section remains the same with 'Obtain an IPv6 address automatically' selected and 'Dhcpv6 Address Assignment (IANA)' and 'Dhcpv6 Prefix Delegation (IAPD)' checked.

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 (8 hexadecimal digits)

Option 61 IAID (hexadecimal digits)

Option 61 DUID (hexadecimal digits)

Option 125 ☒ Disable ☐ Enable

☒ Use the following Static IP address

WAN IP Address 10.0.10.10

WAN Subnet Mask 255.255.255.0

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

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

epon0.1

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

Selected WAN Interface

po_epon0_0/epon0.2

Back

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 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.

Selected DNS Server Interfaces

Available WAN Interfaces

epon0.2

epon0.1

☒ Use the following Static DNS IP address:

Primary DNS Server

5.5.5.8

Secondary DNS Server

IPv6: Select the configured WAN interface for IPv6 DNS server information OR enter the static IPv6 DNS server Address. 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:

po_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 😊