



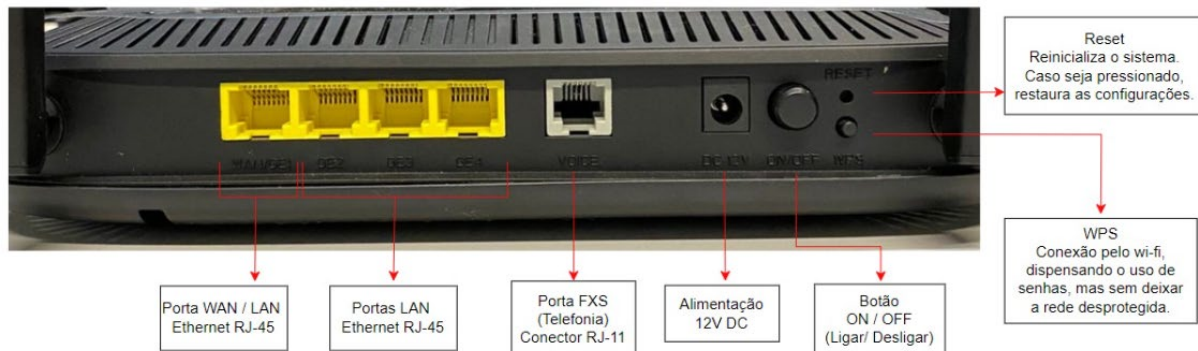
Guia de Configuração

ONT AX3000

Atenção aos cuidados com a ONU Ax3000

- ✓ Mantenha os equipamentos ópticos limpos e calibrados;
- ✓ Utilize sempre que precisar a caneta de limpeza óptica, para obter o melhor funcionamento do equipamento;
- ✓ Usuário e senha administrador Login: tkth | Senha: tkth.
- ✓ IP de acesso: 192.168.101.1

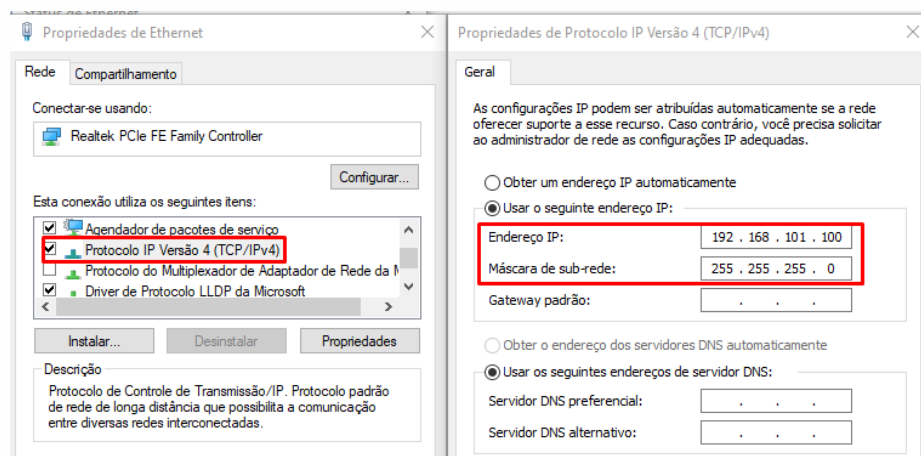
1. Apresentação da ONU



2. Acessando a ONU

- Para este primeiro acesso, a conexão será realizada ponto a ponto.
- Fixar um IP da mesma classe da ONU em sua placa de rede no PC. IP de acesso da ONU 192.168.101.1

Abaixo segue um exemplo:



- Abra o prompt de comando e digite **ping 192.168.101.1 -t**, certifique-se que o PC responde ao ping.

```
C:\Users\Suporte-2>ping 192.168.101.1 -t

Disparando 192.168.101.1 com 32 bytes de dados:
Resposta de 192.168.101.1: bytes=32 tempo<1ms TTL=64
Resposta de 192.168.101.1: bytes=32 tempo=1ms TTL=64
Resposta de 192.168.101.1: bytes=32 tempo=1ms TTL=64
Resposta de 192.168.101.1: bytes=32 tempo=1ms TTL=64
Resposta de 192.168.101.1: bytes=32 tempo=1ms TTL=64
Resposta de 192.168.101.1: bytes=32 tempo=1ms TTL=64
Resposta de 192.168.101.1: bytes=32 tempo<1ms TTL=64
Resposta de 192.168.101.1: bytes=32 tempo=1ms TTL=64
Resposta de 192.168.101.1: bytes=32 tempo=1ms TTL=64
```

- Acesse seu navegador de preferência e digite o IP 192.168.101.1. Utilizar o acesso administrador.

Login: tkth

Senha: tkth



3. Criando conexões

Esta ONU trabalha em 3 modos de operação:

- PPPoE;
- IPoE;
- Bridge.

3.1. Conexão PPPoE

- Na barra de menu -> **Wan**

PON WAN

This page is used to configure the parameters for PONWAN

ppp0_nas0_0 ▾	
Enable VLAN:	☐
VLAN ID:	
802.1p_Mark	1
Multicast Vlan ID: [1-4095]	
Channel Mode:	PPPoE ▾
Enable Bridge:	☐
Bridge Mode:	Bridged Ethernet (Transparent Bridging) ▾
Enable NAPT:	☒
Admin Status:	☒ Enable ☐ Disable
Connection Type:	INTERNET ▾
MTU: [1280-1492]	1492
Default Route:	☐ Disable ☒ Enable
Enable IGMP-Proxy:	☐
Enable MLD-Proxy:	☐
IP Protocol:	IPv4/IPv6 ▾

3.2. Configurando PPPoE em IPv4/IPv6

PPP Settings:	
UserName:	alipio
Password:	 ☐ Show Password
Type:	Continuous
Idle Time (sec):	
Authentication Method:	AUTO
AC-Name:	
Service-Name:	

IPv6 WAN Setting:	
Address Mode:	Stateless DHCPv6(SLAAC)
Request Options:	☒ Request Prefix
Request DNS :	☒ on ☐ off
Primary IPv6 DNS:	
Secondary IPv6 DNS:	

Obs: Após criada a conexão, somente alguns parâmetros podem ser alterados. Caso não consiga alterar o parâmetro desejado, deverá excluir a conexão e criá-la novamente.

- Em **Vlan type**: Configurar somente se trabalhar com Vlan;
- Em **IPv6 WAN Setting**: Configurar somente se trabalhar com o protocolo IPv6.

3.3. Criando Conexão IPoE

PON WAN

This page is used to configure the parameters for PONWAN

ppp0_nas0_0	
Enable VLAN:	☐
VLAN ID:	
802.1p_Mark	
Multicast Vlan ID: [1-4095]	
Channel Mode:	IPoE
Enable Bridge:	☐
Bridge Mode:	Bridged Ethernet (Transparent Bridging)
Enable NAPT:	☒
Admin Status:	☒ Enable ☐ Disable
Connection Type:	INTERNET
MTU: [1280-1500]	1500
Default Route:	☐ Disable ☒ Enable
Enable IGMP-Proxy:	☐
Enable MLD-Proxy:	☐
IP Protocol:	IPv4/IPv6

3.4. Configuração de IP fixo ou DHCP

WAN IP Settings:	
Type:	☒ Fixed IP ☐ DHCP
Local IP Address:	
Gateway:	
Subnet Mask:	
IP Unnumbered:	☐
Request DNS:	☐ Enable ☒ Disable
Primary DNS Server:	
Secondary DNS Server :	

3.5. Configuração de IPoE IPv6

IPv6 WAN Setting:	
Address Mode:	Stateless DHCPv6(SLAAC) ▼
Request Options:	☒ Request Prefix
Request DNS :	☒ on ☐ off
Primary IPv6 DNS:	
Secondary IPv6 DNS:	

Obs: Após criada a conexão, somente alguns parâmetros podem ser alterados. Caso não consiga alterar o parâmetro desejado, deverá excluir a conexão e criá-la novamente.

- Em **Vlan type**: Configurar somente se trabalhar com Vlan;
- Em **IPv6CP**: Configurar somente se trabalhar com o protocolo IPv6.

4. Configuração Wifi

4.1. Configurando o Wifi 5GHz

No menu WLAN -> wlan0 (5GHz) -> Basic Information, alterar o nome da rede 5GHz

Status	LAN	WLAN	WAN	Services	Advance	Diagnostics	Admin	Statistics
General Setting wlan0 (5GHz) Basic Settings Advanced Settings Security Access Control Site Survey WPS Status wlan1 (2.4GHz) Easy Mesh WLAN Basic Settings This page is used to configure the parameters for WLAN clients which may connect to your Access Point. Here you may change wireless encryption settings as well as wireless network parameters. ☐ Disable WLAN Interface Band: 5 GHz (A+N+AC+AX) ▼ Mode: AP ▼ Multiple AP SSID: Think_Test_5G Channel Width: 160MHz ▼ Control Sideband: Auto ▼ Channel Number: Auto(DFS) ▼ Radio Power (%): 100% ▼ Associated Clients: Show Active WLAN Clients Apply Changes								

4.2. Alterar a senha do Wifi 5GHz

No menu WLAN -> wlan0 (5GHz) -> Security, alterar a senha da rede 5GHz

WLAN Security Settings
This page allows you setup the WLAN security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.

SSID Type: Root AP - Think_Test_5G

Encryption: WPA2

Authentication Mode: ☐ Enterprise (RADIUS) ☒ Personal (Pre-Shared Key)

IEEE 802.11w: ☐ None ☒ Capable ☐ Required

SHA256: ☒ Disable ☐ Enable

WPA2 Cipher Suite: ☐ TKIP ☒ AES

Group Key Update Timer: 86400

Pre-Shared Key Format: Passphrase

Pre-Shared Key: ☐ Show Password

Apply Changes

4.3. Configurando o Wifi 2.4GHz

No menu WLAN -> wlan1 (2.4GHz) -> Basic Information, alterar o nome da rede 2.4GHz

WLAN Basic Settings
This page is used to configure the parameters for WLAN clients which may connect to your Access Point. Here you may change wireless encryption settings as well as wireless network parameters.

☐ Disable WLAN Interface

Band: 2.4 GHz (B+G+N+AX)

Mode: AP

SSID: Think_Test

Channel Width: 20/40MHz

Control Sideband: Upper

Channel Number: Auto

Radio Power (%): 100%

Associated Clients:

Apply Changes

4.4. Alterar a senha do Wifi 2.4GHz

No menu WLAN -> wlan1 (2.4GHz) -> Security, alterar a senha da rede 2.4GHz

Status	LAN	WLAN	WAN	Services	Advance	Diagnostics	Admin	Statistics
WLAN Security Settings This page allows you setup the WLAN security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.								
General Setting wlan0 (5GHz) wlan1 (2.4GHz) > Basic Settings > Advanced Settings > Security > Access Control > Site Survey > WPS > Status Easy Mesh			SSID Type: Root AP - Think_Teste Encryption: WPA2 Authentication Mode: ☐ Enterprise (RADIUS) ☒ Personal (Pre-Shared Key) IEEE 802.11w: ☐ None ☒ Capable ☐ Required SHA256: ☒ Disable ☐ Enable WPA2 Cipher Suite: ☐ TKIP ☒ AES Group Key Update Timer: 86400 Pre-Shared Key Format: Passphrase Pre-Shared Key: ☐ Show Password Apply Changes					

5. Configuração de Mesh

Status	LAN	WLAN	WAN	Services	Advance	Diagnostics	Admin	Statistics
EasyMesh Interface Setup This page is used to configure the parameters for EasyMesh feature of your Access Point.								
General Setting wlan0 (5GHz) wlan1 (2.4GHz) Easy Mesh > EasyMesh Interface Setup			Device Name: easy1 Role: ☒ Controller ☐ Disabled Apply Changes Reset					

6. Habilitar acesso remoto

Em **Admin -> ACL**, por padrão a porta LAN vem desabilitada na configuração do acesso remoto, antes de habilitar o acesso pela WAN, deve-se habilitar a porta LAN.

ACL Configuration

This page is used to configure the IP Address for Access Control List. If ACL is enabled, only the IP address in the ACL Table can access CPE. Here you can add/delete the IP Address.

ACL Capability: ☒ Disable ☐ Enable Apply Changes

Enable: ☒

Interface: LAN

Start IP Address: 192.168.101.1

End IP Address: 192.168.101.254

ServiceName	LAN
Any	☐
TELNET	☐
FTP	☐
TFTP	☐
HTTP	☒
HTTPS	☐
SSH	☐
PING	☒

Add Update Edited

ACL Table					
Select	State	Interface	IP Address	Services	Port
☒	Disable	LAN	192.168.101.1-192.168.101.254	http,ping	80

Delete Selected

6.1. Habilitar o acesso da LAN

ACL Configuration

This page is used to configure the IP Address for Access Control List. If ACL is enabled, only the IP address in the ACL Table can access CPE. Here you can add/delete the IP Address.

ACL Capability: ☒ Disable ☐ Enable Apply Changes

Enable: ☒

Interface: LAN

Start IP Address: 192.168.101.1

End IP Address: 192.168.101.254

ServiceName	LAN
Any	☐
TELNET	☐
FTP	☐
TFTP	☐
HTTP	☒
HTTPS	☐
SSH	☐
PING	☒

Add Update Edited

ACL Table					
Select	State	Interface	IP Address	Services	Port
☒	Disable	LAN	192.168.101.1-192.168.101.254	http,ping	80

Delete Selected

ACL Table					
Select	State	Interface	IP Address	Services	Port
☐	Enable	LAN	192.168.101.1-192.168.101.254	http,ping	80

6.2. Habilitar o acesso remoto na porta WAN

ACL Configuration

This page is used to configure the IP Address for Access Control List. If ACL is enabled, only the IP address in the ACL Table can access CPE. Here you can add/delete the IP Address.

ACL Capability:	☐ Disable ☒ Enable	Apply Changes
Enable:	☒	
Interface:	WAN	
Start IP Address:	0.0.0.0	
End IP Address:	255.255.255.255	

ServiceName	WAN	Port
TELNET	☐	23
FTP	☐	21
TFTP	☐	69
HTTP	☒	80
HTTPS	☒	443
SSH	☐	22
PING	☒	

Caso queira alterar a porta de acesso

Add Update Edited

ACL Table					
Select	State	Interface	IP Address	Services	Port
☐	Enable	LAN	192.168.101.1-192.168.101.254	http,ping	80

Delete Selected

ACL Table					
Select	State	Interface	IP Address	Services	Port
☐	Enable	LAN	192.168.101.1-192.168.101.254	http,ping	80
☐	Enable	WAN	0.0.0.0-255.255.255.255	http,https,ping	80,443

6.3. Após finalizado reinicializar a ONU

Status	LAN	WLAN	WAN	Services	Advance	Diagnostics	Admin	Statistics
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Admin

- > EPON Settings
- > Commit/Reboot**
- > Backup/Restore

Commit and Reboot

This page is used to commit changes to system memory and reboot your system.

Commit and Reboot: **Commit and Reboot**

7. Configurando VoIP

TECHNOLOGY

Status LAN WLAN WAN Services **VoIP** Advance Diagnostics Admin Statistics

VoIP

- Port1
- Advance
- Tone
- Other
- Network
- Call History
- Register Status

Main Proxy

Display Name	VOIP
Number	8009001
Login ID	8009001
Password	*****
Proxy	☒ Enable
Proxy Addr	sip1.jpproviders.com.br
Proxy Port	5060
SIP Subscribe	☐ Enable
SIP Domain	
Reg Expire (sec)	3600
Outbound Proxy	☐ Enable
Outbound Proxy Addr	
Outbound Proxy Port	5060
Enable Session timer	☒ Enable
Session Expire (sec)	1800

think TECHNOLOGY

Logout
Firmware ver. V4.0.8

Status LAN WLAN WAN Services VoIP Advance Diagnostics Admin Statistics

VoIP Register Status
This page shows the register status of port

Register Status

Port	Number	Status
1-Main Proxy	8009001	Registered
1-Backup Proxy		Disabled

Refresh

Status

- Device
- IPv6
- PON
- LAN Port
- VoIP

8. CONTROLE DE REVISÃO

REVISÃO	DESCRIÇÃO	DATA
01	CRIAÇÃO DO DOCUMENTO	16/07/26