



# NTU-52W

NTU-52W  
3.0.3

IP-: <http://192.168.1.1>  
: user  
: user

PON — « », 2,5 / downlink 1,25 / uplink. PON IP.  
GPON , - , ON , -.  
, , , NTU-52W.

 , .

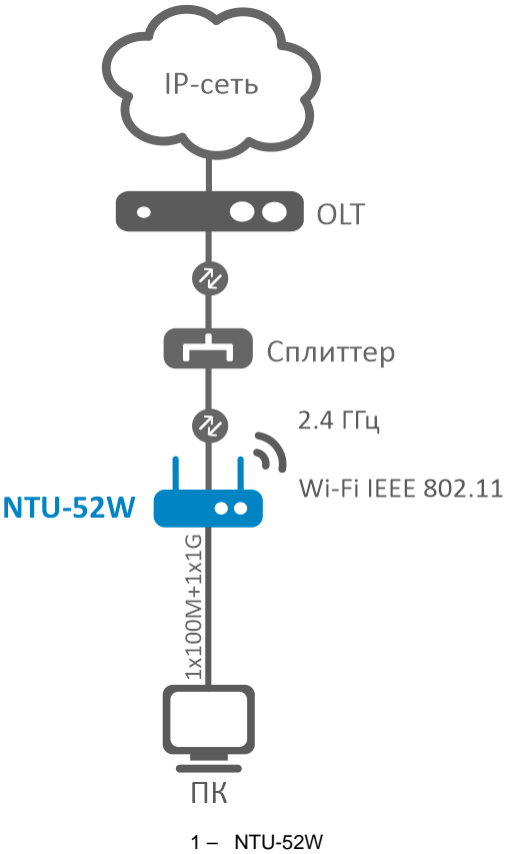
 , , .

NTU-52W — . GPON PON-, Ethernet.  
NTU-52W IPTV, OTT . NTU-52W Wi-Fi IEEE 802.11b/g/n.

- :
- 1 PON SC/APC (WAN);
  - Ethernet RJ-45 LAN (LAN):
    - 1 RJ-45 10/100BASE-T ( );
    - 1 RJ-45 10/100/1000BASE-T ( ).
  - Wi-Fi 802.11b/g/n.
- 220 /12 B.
- :
- c :
    - TR-069;
    - « » « », ;
    - PPPoE (auto, PAP-, CHAP-, MSCHAP-);
    - IPoE (DHCP-client static);
    - DHCP (DHCP- WAN, DHCP- LAN);
    - Multicast- Wi-Fi;
    - DNS (Domain Name System);
    - DynDNS (Dynamic DNS);
    - UPnP (Universal Plug and Play);
    - NAT (Network Address Translation);
    - NTP (Network Time Protocol);
    - QoS;
    - IGMP-snooping;
    - IGMP-proxy;
    - Firewall;
    - VLAN IEEE 802.1Q.
  - Wi-Fi:

- 802.11b/g/n.
- web-, TR-069, OMCI;
- , :
- TR-069;
- web-;
- CLI;
- OMCI.

NTU-52W.



1.

1 –

Ethernet LAN

	2
	1 10/100BASE-T (RJ-45) 1 10/100/1000BASE-T (RJ-45)
	, 10/100/1000 /, /
	IEEE 802.3i 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3x Flow Control IEEE 802.3 NWay auto-negotiation

PON

	1
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	ITU-T G.984.x Gigabit-capable passive optical networks (GPON) ITU-T G.988 ONU management and control interface (OMCI) IEEE 802.1Q Tagged VLAN ( VLAN WAN:: 0, 4032, 4022, 4023, 4024, 4027, 4026, 4000~4005, 4095) IEEE 802.1P Priority Queues IEEE 802.1D Spanning Tree Protocol
	SC/APC ITU-T G.984.2, ITU-T G.984.5 Filter, FSAN Class B+, SFF-8472
	SMF - 9/125, G.652
	1:128
	20
:	1310
• upstream	1244 /
•	+0,5 +5
• (RMS)	1
:	1490
• downstream	2488 /
•	-8 -28, BER1.0x10 <sup>-10</sup>
	-8

#### Wi-Fi

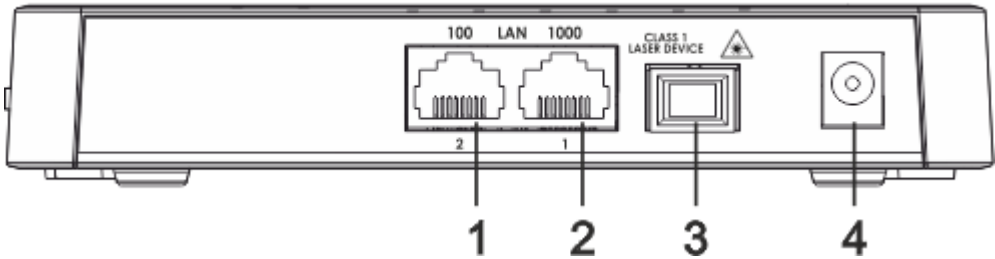
	IEEE 802.11b/g/n
	2,400 ~ 2.483,5
	DQPSK, DBPSK, CCK, BPSK, QPSK, 16QAM, 64QAM, OFDM
	<b>802.11b</b> : 1, 2, 5,5 11 / <b>802.11g</b> : 6, 9, 12, 18, 24, 36, 48 54 / <b>802.11n</b> : 6,5 300 / ( MCS0 MCS15)
	<b>802.11b (11 /)</b> : 18 <b>802.11g (54 /)</b> : 16 <b>802.11n (MCS7)</b> : 16 <b>802.11n (MCS0)</b> : 18
<b>MAC-</b>	CSMA/CA- ACK 32 MAC
	64/128- WEP- ; WPA, WPA2, WPA3, WPA3 Mixed; 802.1x; AES &TKIP
	2
	5

	web-
	Telnet, TR-069, LI, OMCI

	OMCI, TR-069, HTTP

	12 , 0,5
	6
	+5 +40 °
	80 %
( x x )	147 x 24 x 110
	0,25
	5

, 147 x 24 x 110 .  
 NTU-52W 2.



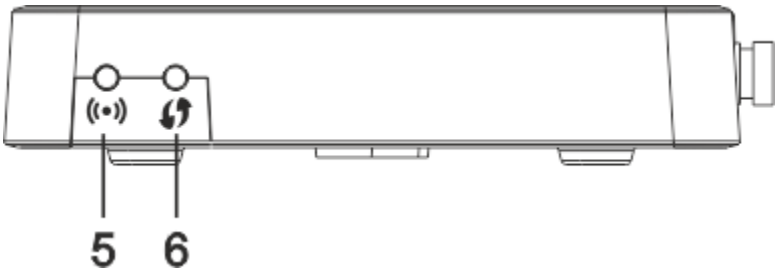
2 – NTU-52W

NTU-52W , 2.

2 – NTU-52W

1	LAN 10/100	RJ-45 10/100BASE-T
2	LAN 10/100/1000	RJ-45 10/100/1000BASE-T
3	PON	SC ( ) PON GPON
4	12V	

NTU-52W 3.



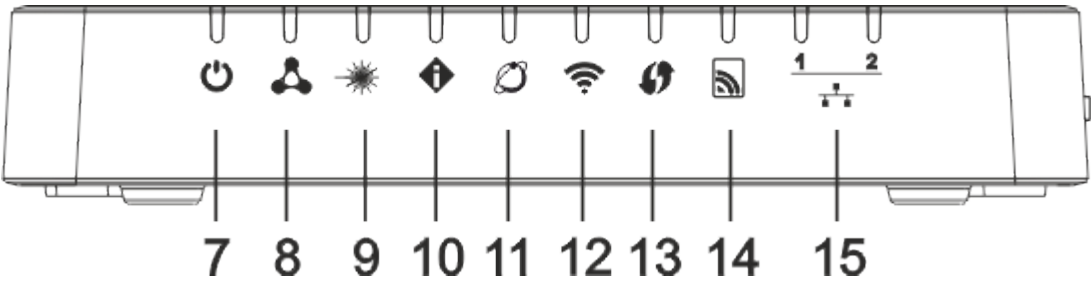
3 – NTU-52W

, 3.

3 – NTU-52W

5		/ Wi-Fi
6		Wi-Fi










NTU-52W 4.



4 – NTU-52W

, . 4.

4 – NTU-52W

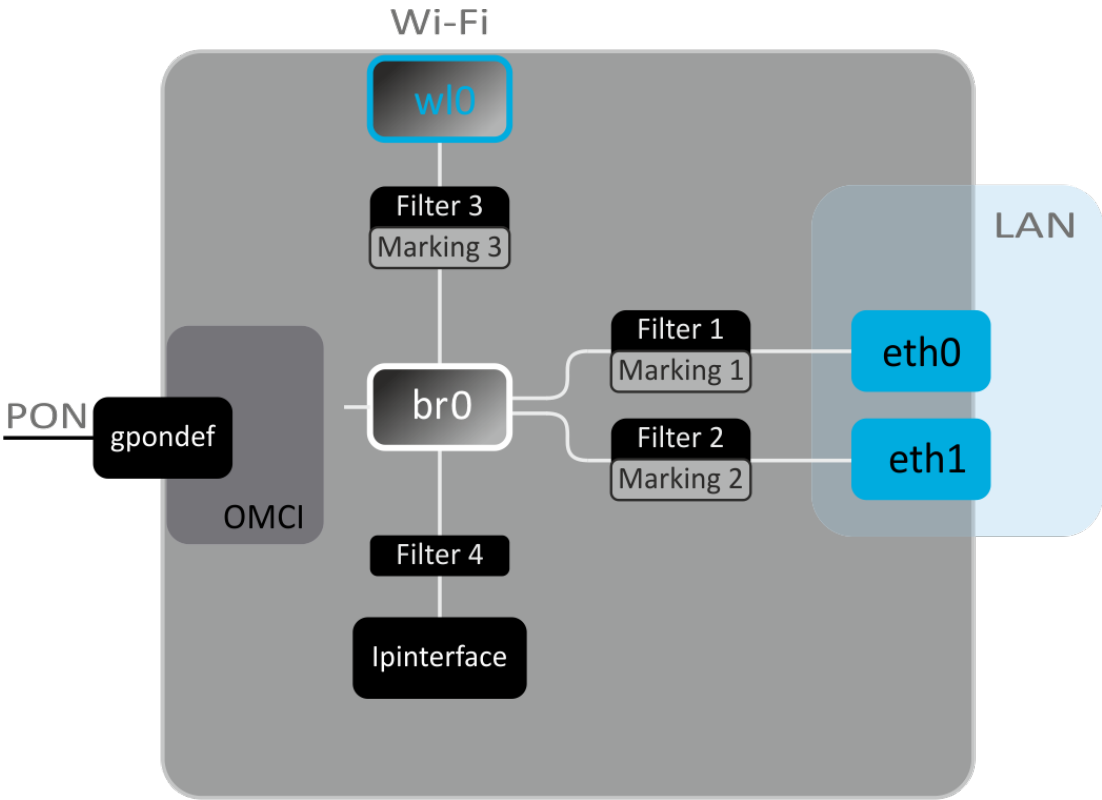
7	 _		
8	 _		
9	 _		/ OLT
			OLT
			OLT
10	 _		OLT
			OLT
11	 _		IP- WAN-
			IP- WAN-
12	 _ Wi-Fi		Wi-Fi
			Wi-Fi
			Wi-Fi
13	 _ WPS		WPS
14	 _ Wi-Fi		
15	 _ 1..2 – Ethernet-		10/100 /

			1000 /
		/	

∟

«F» . «F» 5 , . . IP-: LAN – 192.168.1.1, –255.255.255.0. LAN 1 LAN 2.

- NTU-52W :
- NTU-52W;
  - 220/12 0,5 ;
  - ;
  - .



5 –

:

- - (SFF-) – ;
- (PON-) – Ethernet GPON;
- Wi-Fi – .

() (5):

- Br0;
- eth0...1;
- wl0;
- IPInterface1.

br0 LAN .

eth0..1 Ethernet- RJ-45 , STB . br0.


wl0 – Wi-Fi 2.4 .

Filter Marking ( br0). , Filter , Marking – .  
IPInterface , IP- , DHCP, .


web-.


, web-:

- 1. web- (- web-), , Firefox, Google Chrome.
- 2. IP- .

 IP- : 192.168.1.1, : 255.255.255.0

:




 Input username and password

UserName:

Password:

Login

- 3. «UserName» «Password».

 user, user.

- 4. «Login». web- .

. «Admin», «Password», «New Password» «Confirmed password» .

**Password Configuration**

This page is used to set the account to access the web server of your Device. Empty user name and password will disable the protection.

UserName:	<div>admin ▾</div>
Old Password:	<input type="password"/>
New Password:	<input type="password"/>
Confirmed Password:	<input type="password"/>

Apply Changes

Reset

web-


NTU-52W
3 Logout

Status
LAN
WLAN
WAN
Services
Advance
Diagnostics
Admin
Statistics
1

Status

> Device

> IPv6

> PON

1

Device Status

This page shows the current status and some basic settings of the device.

System

Manufacturer	ELTEX
Model	Modem/Router
Uptime	0 min
Hardware Version	1v3
Serial Number	454C54588C0001D0
Bootloader Version	
Bootloader CRC32 sum	934d5505
Current FW CRC32 sum	471944f6
Backup FW CRC32 sum	471944f6
CPU Usage	0%
Memory Usage	53%
Image 1 Firmware Version	
Image 2 Firmware Version	
IPv4 Default Gateway	
IPv6 Default Gateway	
DNS	

LAN Configuration

IP Address	
Subnet Mask	
DHCP Server	
MAC Address	

LAN Port Status

Name	Status	Speed	Mode
LAN1	Up	1000	Full
LAN2	NoLink	Auto	Auto

3 :

1. .
2. .
3. .

«Status».

«Device status».

, LAN WAN.

Status Device status



## Device Status

This page shows the current status and some basic settings of the device.

### System

Manufacturer	ELTEX
Model	Modem/Router
Uptime	1 min
Hardware Version	1v3
Serial Number	454C54588C0001D0
Bootloader Version	
Bootloader CRC32 sum	934d5505
Current FW CRC32 sum	471944f6
Backup FW CRC32 sum	471944f6
CPU Usage	<div><div>18%</div></div>
Memory Usage	<div><div>53%</div></div>
Image 1 Firmware Version	
Image 2 Firmware Version	
IPv4 Default Gateway	
IPv6 Default Gateway	
DNS	

### LAN Configuration

IP Address	
Subnet Mask	
DHCP Server	
MAC Address	

### LAN Port Status

Name	Status	Speed	Mode
LAN1	Up	1000	Full
LAN2	NoLink	Auto	Auto

### Wi-Fi Status

SSID	Band	Channel	Bandwidth	Encryption	Standards	Clients
ELTX-2.4GHz_WiFi_1658	2.4G	3	40 MHz	WPA2	b/g/n	0

### WAN Configuration

Interface	VLAN ID	MAC	Connection Type	Protocol	IP Address / Subnet Mask	Gateway	Status
-----------	---------	-----	-----------------	----------	--------------------------	---------	--------

Refresh

## System

- *Manufacturer* – ;
- *Model* – ;
- *Uptime* – ;
- *Hardware Version* – ;
- *Serial Number* – ;
- *Bootloader Version* – ;
- *Bootloader CRC32 sum* – ;
- *Current FW CRC32 sum* – ;
- *Backup FW CRC32 sum* – ;
- *CPU Usage* – CPU;
- *Memory Usage* – ;
- *Image 1 Firmware Version (Active)* – ;
- *Image 2 Firmware Version* – ;

- *IPv4 Default Gateway* – IPv4;
- *IPv6 Default Gateway* – IPv6;
- *DNS* – DNS-.

**LAN Configuration**

- *IP Address* – IP-;
- *Subnet Mask* – ;
- *DHCP Server* – DHCP-;
- *MAC Address* – MAC- .

**LAN Port Status**

- *Name* – LAN-;
- *Status* – LAN-;
- *Speed* – ;
- *Mode* – (half-duplex/full-duplex/auto).

**Wi-Fi Status**

- *SSID* – ;
- *Band* – , , ;
- *Channel* – ;
- *Bandwidth* – ;
- *Encryption* – ;
- *Standarts* – ;
- *Clients* – .

**WAN Configuration**

- *Interface* – ;
- *VLAN ID* – VLAN ID ;
- *MAC* – MAC- ;
- *Connection Type* – ;
- *Protocol* – ;
- *IP Address/Subnet Mask* – IP-/ ;
- *Gateway* – ;
- *Status* – .

«Refresh».

**«IPv6 Status». IPv6**

IPv6.

*Status IPv6*

IPv6 Status

This page shows the current system status of IPv6.

LAN Configuration

IPv6 Address

IPv6 Link-Local Address

fe80::ce9d:a2ff:feeb:9174/128

Prefix Delegation

Prefix

IPv6 address LAN GUA

Prefix

WAN Configuration

Interface	VLAN ID	Connection Type	Protocol	IP Address	Status
-----------	---------	-----------------	----------	------------	--------

Refresh

**LAN Configuration**

- *IPv6 Address* – IPv6-;
- *IPv6 Link-Local Address* – IPv6-.

**Prefix Delegation**

- *Prefix* – IPv6-.

**IPv6 address LAN GUA**

- *Prefix* –.

**WAN Configuration**

- *Interface* – ;
- *VLAN ID* – VLAN ID ;
- *Connection Type* – ;
- *Protocol* – ;
- *IP Address* – IP- ;
- *Status* – .

«Refresh».

**«PON».**

PON-.

*Status PON*

**PON Status**

This page shows the current system status of PON.

PON Status	
Temperature	53.945313 C
Voltage	3.339200 V
Tx Power	No signal
Rx Power	No signal
Bias Current	6.250000 mA

GPON Status	
ONU State	O1
ONU ID	255
LOID Status	Initial Status

Refresh

**PON Status**

- *Temperature* – ;
- *Voltage* –;
- *Tx Power* – ;
- *Rx Power* – ;
- *Bias Current* – .

**GPON Status**

- *ONU State* – ONU;
- *ONU ID* –ONU ID;
- *LOID Status* – LOID.

«Refresh».

**«LAN». LAN**

LAN.

*LAN*

### LAN Interface Settings

This page is used to configure the LAN interface of your Device. Here you may change the setting for IP addresses, subnet mask, etc..

InterfaceName:	br0
IP Address:	<input type="text" value="192.168.1.1"/>
Subnet Mask:	<input type="text" value="255.255.255.0"/>
IPv6 Address:	<input type="text" value="fe80::1"/>
IPv6 DNS Mode:	<input type="text" value="HGWProxy"/> ▾
Prefix Mode:	<input type="text" value="WANDelegated"/> ▾
WAN Interface:	<input type="text" value=""/> ▾

IGMP Snooping:	<input type="radio"/> Disabled <input checked="" type="radio"/> Enabled
Ethernet to Wireless Blocking:	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled

LAN1:	<input type="radio"/> Disabled <input checked="" type="radio"/> Enabled
LAN2:	<input type="radio"/> Disabled <input checked="" type="radio"/> Enabled

Apply Changes

- *Interface name* – ;
- *IP Address* – IP-
- *Subnet Mask* – ;
- *IPv6 Address* – IPv6-;
- *IPv6 DNS Mode* – :
  - *HGWProxy* – DNS IPv6;
  - *WANConnection* – WAN- DNS-;
  - *Static* – DNS- (IPv6 DNS1, IPv6 DNS2).
- *Prefix Mode* – Prefix ( WAN- ):
  - *WANDelegated* – , ;
  - *Static* – Prefix.
- *WAN Interface* – WAN-, WANDelegated.
- *IGMP Snooping (Enabled/Disabled)* – / IGMP Snooping;
- *Ethernet to Wireless Blocking (Enabled/Disabled)* – / ;
- *LAN1/LAN2 (Enabled/Disabled)* – LAN-.

«Apply Changes».

«WLAN».

.

«Basic settings».

WLAN.

*WLAN Basic Settings*

### 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.

<input type="checkbox"/> Disable WLAN Interface	<input type="checkbox"/> Disable WLAN Root SSID
Band:	2.4 GHz (B+G+N) ▾
Mode:	AP ▾ <span>Multiple AP</span>
SSID:	ELTX-2.4GHz_WiFi_9174
Channel Width:	40MHz ▾
Control Sideband:	Upper ▾
Channel Number:	Auto ▾
Radio Power (%):	100% ▾
TX restrict:	0 <input type="text"/> Mbps (0:no restrict)
RX restrict:	0 <input type="text"/> Mbps (0:no restrict)
Associated Clients:	<span>Show Active WLAN Clients</span>
<input type="checkbox"/>	
<span>Apply Changes</span>	

- *Disable WLAN Interface* – ;
- *Disable WLAN Root SSID* – ;
- *Band* – Wi-Fi;
- *Mode* – (AP/Client);
- *SSID (Service Set Identifier)* – ( );



(SSID) ELTx-2.4GHz\_WiFi-aaaa, – 4 WAN MAC. WAN MAC . (2.4 ).

- *Channel Width*– 20, 40 ( Wi-Fi: 2.4 (N), 2.4 (G+N), 2.4 (B+G+N));
- *Control Sideband*– , (Lower Upper) ( Wi-Fi: 2.4 (N), 2.4 (G+N), 2.4 (B+G+N));
- *Channel Number*– :
  - *Auto*– .
- *Radio Power (%)*– ;
- *TX restrict*– ;
- *RX restrict*– ;
- *Associated Clients*– .

«Apply Changes».

WPA2-PSK , . 8 63 ASCII. .

«Show Active WLAN Client» WLAN.

*WLAN Basic settings Show Active WLAN Client*

### Active WLAN Clients

This table shows the MAC address, transmission, reception packet counters and encrypted status for each associated WLAN clients.

MAC Address	Tx Packets	Rx Packets	Tx Rate (Mbps)	Power Saving	Expired Time (sec)
None	---	---	---	---	---

Refresh

Close

- *MAC Address* –MAC- ;
- *Tx Packets* – ;

- *Rx Packets* – ;
- *Tx Rate (Mbps)* – , /;
- *Power Saving* – ;
- *Expired Time (sec)* – , .

«Refresh», «Close».

«Advanced settings».

WLAN Advanced settings

WLAN Advanced Settings

These settings are only for more technically advanced users who have a sufficient knowledge about WLAN. These settings should not be changed unless you know what effect the changes will have on your Access Point.

Fragment Threshold:	<input type="text" value="2346"/> <div>(256-2346)</div>
RTS Threshold:	<input type="text" value="2347"/> <div>(0-2347)</div>
Beacon Interval:	<input type="text" value="100"/> <div>(20-1024 ms)</div>
DTIM Period:	<input type="text" value="1"/> <div>(1-255)</div>
Data Rate:	<div>Auto</div>
Preamble Type:	<div> <input checked="" type="radio"/> Long Preamble           <input type="radio"/> Short Preamble         </div>
Broadcast SSID:	<div> <input checked="" type="radio"/> Enabled           <input type="radio"/> Disabled         </div>
Client Isolation:	<div> <input type="radio"/> Enabled           <input checked="" type="radio"/> Disabled         </div>
Protection:	<div> <input type="radio"/> Enabled           <input checked="" type="radio"/> Disabled         </div>
Aggregation:	<div> <input checked="" type="radio"/> Enabled           <input type="radio"/> Disabled         </div>
Short GI:	<div> <input checked="" type="radio"/> Enabled           <input type="radio"/> Disabled         </div>
TX beamforming:	<div> <input type="radio"/> Enabled           <input checked="" type="radio"/> Disabled         </div>
Multicast to Unicast:	<div> <input type="radio"/> Enabled           <input checked="" type="radio"/> Disabled         </div>
WMM Support:	<div> <input checked="" type="radio"/> Enabled           <input type="radio"/> Disabled         </div>
802.11k Support:	<div> <input type="radio"/> Enabled           <input checked="" type="radio"/> Disabled         </div>

Apply Changes

- *Fragment Threshold* – . , ;
- *RTS Threshold* – , RTS, RTS/CTS ( / ) ;
- *Beacon Interval* – , , ;
- *DTIM Period* – ;
- *Data rate* – ;
- *Preamble Type* – : (*Long Preamble*)| (*Short Preamble*);
- *Broadcast SSID (Enable/Disabled)* – SSID ( Disabled SSID );
- *Client Isolation (Enable/Disabled)* – / ;
- *Protection (Enable/Disabled)* – / 802.11n protection;
- *Aggregation (Enable/Disabled)* – / ;
- *Short GI (Enable/Disabled)* – / ;
- *TX beamforming (Enable/Disabled)* – / ;
- *Multicast to Unicast (Enable/Disabled)* – / multicast unicast;
- *WMM Support (Enable/Disabled)* – / Wi-Fi Multimedia;
- *802.11k Support (Enable/Disabled)* – / Radio Resource management .

«Apply Changes».

«Security».

. , WPS.

WLAN Security

## 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 - ELTX-2.4GHz_WiFi_9174 ▾
Encryption:	WPA ▾
Authentication Mode:	<input type="radio"/> Enterprise (RADIUS) <input checked="" type="radio"/> Personal (Pre-Shared Key)
WPA Cipher Suite:	<input type="checkbox"/> TKIP <input checked="" type="checkbox"/> AES
Group Key Update Timer:	86400
Pre-Shared Key Format:	Passphrase ▾
Pre-Shared Key:	..... <input type="checkbox"/> Show Password
<input type="button" value="Apply Changes"/>	

- SSID Type – SSID;
- Encryption – :
  - NONE () – ;
  - WEP – WEP;
  - WPA/WPA2/WPA2 Mixed/WPA3/WPA3 Mixed – WPA/WPA2/WPA2 Mixed/WPA3/WPA3 Mixed.

WEP :

- 802.1x Authentication – 802.1x ( RADIUS, WEP-);
- Authentication – :
  - Open system – ;
  - Shared Key – ;
  - Auto – .
- Key Length () – 64 128 ;
- Key Format () – ASCII HEX;
- Encryption Key () – 10 16- 5 ASCII 1 64- . 26 16- , 13 ASCII 128- .

WPA/WPA2/WPA2 Mixed, :

- Authentication Mode – Enterprise (RADIUS) Personal (Pre-Shared Key). Enterprise (RADIUS) :
  - RADIUS Server IP Address – IP- RADIUS-;
  - RADIUS Server Port – RADIUS-. 1812;
  - RADIUS Server Password – RADIUS-;
- IEEE 802.11w – :
  - None – ;
  - Capable – ;
  - Required – .
- SHA256 (Enable/Disable) – / SHA256.
- WPA Cipher Suite – WPA TKIP AES;
- Group Key Update Timer – ;
- Pre-Shared Key Format – ASCII HEX;
- Pre-Shared Key – .

«Show Password». «Apply Changes».

## «Access control».

MAC-. MAC- Current Access Control List – . «Allowed Listed», MAC-, Current Access Control List. «Deny Listed» MAC-, , Current Access Control List. «Apply Changes».

WLAN Access control

WLAN Access Control

If you choose 'Allowed Listed', only those WLAN clients whose MAC addresses are in the access control list will be able to connect to your Access Point. When 'Deny Listed' is selected, these WLAN clients on the list will not be able to connect the Access Point.

Mode:

Disabled

Apply Changes

MAC Address:

(ex. 00E086710502)

Add

Reset

Current Access Control List

MAC Address	Select
00 e0 86 71 05 02	<input type="checkbox"/>
00 e0 86 71 05 01	<input type="checkbox"/>

Delete Selected

Delete All

- *Mode* – MAC-:
  - *Disabled* – ;
  - *Allowed Listed* – ( );
  - *Deny Listed* – ( ).
- *MAC Address* – MAC- . , «Add», — «Reset».

, «Delete Selected», , «Delete All».

«WiFi radar».

, IBSS.

WLAN WiFi radar

WLAN Site Survey

This page provides tool to scan the wireless network. If any Access Point or IBSS is found, you could choose to connect it manually when client mode is enabled.

SSID	BSSID	Channel	Type	Encryption	Power (dBm)
------	-------	---------	------	------------	-------------

Refresh

:

- *SSID* – ;
- *BSSID* – MAC- ;
- *Channel* – ;
- *Type* – (AP, Client – , );
- *Encryption* – ;
- *Power (dBm)* – .

«Refresh».

«WPS». Wi-Fi

WPS (Wi-Fi Protected Setup, Wi-Fi).

WLAN WPS



Wi-Fi Protected Setup

This page allows you to change the setting for WPS (Wi-Fi Protected Setup). Using this feature could let your WLAN client automatically synchronize its setting and connect to the Access Point in a minute without any hassle.

☐ Disable WPS

WPS Status:

☒ Configured ☐ UnConfigured

Auto-lock-down state:

Unlocked Unlock

Push Button Configuration:

Start PBC

Apply Changes Reset

Current Key Info

Authentication	Encryption	Key
WPA2 PSK	AES	<div>.....</div> <div><input type="checkbox"/> Show Password</div>

- *Disable WPS* – WPS;
- *Push Button Configuration* – WPS .

«Show Password». «Apply Changes».

«Status». WLAN

WLAN.

WLAN Status

WLAN Status

This page shows the WLAN current status.

- *Mode* – AP- ;
- *Band* – , , ;
- *SSID* – ;
- *Channel Number* – ;
- *Channel Width* – ;
- *Encryption* – ;
- *BSSID* – MAC- ;
- *Associated Clients* – .

«WAN».

«PON WAN». PON WAN

PON WAN.

WAN PON WAN

## PON WAN

This page is used to configure the parameters for PONWAN

new link ▾

Enable VLAN:	<input type="checkbox"/>
VLAN ID:	<input type="text"/>
802.1p_Mark	<input type="text"/>
Multicast Vlan ID: [1-4095]	<input type="text"/>
Channel Mode:	<input type="text" value="Bridged"/>
Bridge Mode:	<input type="text" value="Bridged Ethernet (Transparent Bridging)"/>
Interface Grouping:	<input type="text" value="Create New Group"/>
Group Name:	<input type="text" value="Group_1"/>
Enable NAPT:	<input type="checkbox"/>
Enable Firewall/SPI:	<input type="checkbox"/>
Enable QoS:	<input type="checkbox"/>
Admin Status:	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Connection Type:	<input type="text" value="Other"/>
Default Route:	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Enable IGMP-Proxy:	<input type="checkbox"/>
Enable MLD-Proxy:	<input type="checkbox"/>

Apply Changes

Delete

- *Enable VLAN* – VLAN;
- *VLAN ID* – VLAN;
- *802.1p\_Mark* – 802.1p;
- *Channel Mode* – VLAN;
  - *Bridged* –;
  - *IPoE* – DHCP;
  - *PPPoE* – point-to-point Ethernet.
- *Interface Grouping* – ;
- *Group name* – ;
- *Enable NAPT* – NAPT;
- *Enable QoS* – ;
- *Admin Status (Enable/Disable)* – / ;
- *Connection Type* – , WAN;
- *Default Route (Enable/Disable)* – / ;
- *Enable IGMP-Proxy* – IGMP;
- *Enable MLD-Proxy* – MLD.

«Apply Changes», – «Delete».

«Services».

«Service»

«DHCP Setting». DHCP

DHCP- DHCP-.

*Services DHCP (Server)*

## DHCP Settings

This page is used to configure DHCP Server and DHCP Relay.

<b>DHCP Mode:</b>	<input type="radio"/> NONE <input type="radio"/> DHCP Relay <input checked="" type="radio"/> DHCP Server <input type="radio"/> DHCP Client		
Enable the DHCP Server if you are using this device as a DHCP server. This page lists the IP address pools available to hosts on your LAN. The device distributes numbers in the pool to hosts on your network as they request Internet access.			
LAN IP Address: 192.168.1.1    Subnet Mask: 255.255.255.0			
<b>IP Pool Range:</b>	<input type="text" value="192.168.1.2"/>	-	<input type="text" value="192.168.1.254"/> <input type="button" value="Show Client"/>
<b>Subnet Mask:</b>	<input type="text" value="255.255.255.0"/>		
<b>Max Lease Time:</b>	<input type="text" value="86400"/>	seconds (-1 indicates an infinite lease)	
<b>DomainName:</b>	<input type="text" value="bbrouter"/>		
<b>Gateway Address:</b>	<input type="text" value="192.168.1.1"/>		
<b>DNS option:</b>	<input checked="" type="radio"/> Use DNS Proxy <input type="radio"/> Set Manually		
<input type="button" value="Apply Changes"/>	<input type="button" value="Port-Based Filter"/>	<input type="button" value="MAC-Based Assignment"/>	

- *DHCP Mode* – :
  - *NONE* – DHCP ;
  - *DHCP Relay* – DHCP-;
  - *DHCP Server* – DHCP-;
  - *DHCP Client* – DHCP-.
- *IP Pool Range* – , ;
- *Show Client* – , . DHCP, DHCP-;
- *Subnet Mask* – ;
- *Max Leas Time* – , -1 ;
- *DomainName* – ;
- *Gateway Address* – ;
- *DNS option* – DNS:
  - *Use DNS relay* – DNS ONT ONT;
  - *Set manually* – DNS .
- *DHCP Server IP Address* – IP- DHCP.

«Apply Changes». «Port-Based Filter» «MAC-Based Assignment»    MAC .

### «Dynamic DNS».

DNS ( ) DNS- ( ) . ( , NTU-52W) IP-. IP-, IPCP PPP- DHCP.

DNS , IP- DHCP, DNS-.

*Services Dynamic DNS*

## Dynamic DNS Configuration

This page is used to configure the Dynamic DNS address from DynDNS.org or TZO or No-IP. Here you can Add/Remove to configure Dynamic DNS.

Enable:	<input checked="" type="checkbox"/>
DDNS Provider:	<input type="text" value="DynDNS.org"/>
Hostname:	<input type="text" value="123123"/>
Interface	<input type="text" value="v"/>

DynDns & No-IP Settings

UserName:	<input type="text" value="123"/>
Password:	<input type="text" value="..."/>

Dynamic DNS Table

Select	State	Hostname	Username	Service	Status
<input checked="" type="radio"/>	Enable	123123	123	dyndns	Cannot connecting to provider

- *Enable* – DHCP- ( IP- );
- *D-DNS Provider* – D-DNS (): [DynDNS.org](#), [No-IP.com](#);
- *Custom* – , . (Hostname) (Interface) .

*DynDns/No-IP Settings:*

- *UserName* – ;
- *Password* – , D-DNS.

«Dynamic DNS Table» DNS . «Add». / , «Modify»/«Remove» .

## «UPnP».

Universal Plug and Play (UPnP™). UPnP , .

*Services UPnP*

## UPnP Configuration

This page is used to configure UPnP. The system acts as a daemon when you enable it and select WAN interface (upstream) that will use UPnP.

UPnP:	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
WAN Interface:	<input type="text" value="v"/>



UPnP NAT WAN-.

- *UPnP (Enable/Disable)* – / UPnP;
- *WAN Interface* – WAN-, UPnP.

«Apply Changes».

## «RIP».

, RIP . RIP, RIP RIP.

*Services RIP*

### RIP Configuration

Enable the RIP if you are using this device as a RIP-enabled Device to communicate with others using the Routing Information Protocol. This page is used to select the interfaces on your device is that use RIP, and the version of the protocol used.

Routing Protocol:

RIP

Apply Changes

Interface:

br0

Receive Mode:

NONE

Send Mode:

NONE

Add

RIP Config Table

Select	Interface	Receive Mode	Send Mode
<input type="checkbox"/>	br0	RIP2	RIP2

Delete Selected

Delete All

- *RIP (Enable/Disable)* – / RIP.

«Apply Changes».

- *Interface* – , RIP;
- *Receive Mode* – (NONE, RIP1, RIP2, both);
- *Send Mode* – (NONE, RIP1, RIP2, RIP1 COMPAT).

RIP «*RIP Config Table*». «Delete All», , «Delete Selected».

«Firewall».

«IP/Port Filtering».

. IP- IP- . .

*Services Firewall IP/Port Filtering*

IP/Port Filtering

Entries in this table are used to restrict certain types of data packets through the Gateway. Use of such filters can be helpful in securing or restricting your local network.

Outgoing Default Action:

☐ Deny ☒ Allow

Incoming Default Action:

☒ Deny ☐ Allow

Apply Changes

Direction:

Incoming

Protocol:

TCP

Rule Action:

☒ Deny ☐ Allow

Source IP Address:

Subnet Mask:

Port:

-

Destination IP Address:

Subnet Mask:

Port:

-

WAN Interface:

Any

Add

Current Filter Table

Select	Direction	Protocol	Source IP Address	Source Port	Destination IP Address	Destination Port	Interface	Rule Action
--------	-----------	----------	-------------------	-------------	------------------------	------------------	-----------	-------------

Delete Selected

Delete All

- *Outgoing Default Action (Deny/Allow)* – ;
- *Incoming Default Action (Deny/Allow)* – .

«Apply Changes».

«Add»:

- *Protocol* – ;
- *Rule Action (Deny/Allow)* – (/);
- *Source IP Address* – IP- ;
- *Subnet Mask* – ;
- *Port* – ;
- *Destination IP Address* – IP- ;
  - *Subnet Mask* – ;
  - *Port* – .
- *WAN Interface* – .

«Current Filter Table». . «Delete selected», – «Delete All».

«MAC Filtering». **MAC-**

MAC-, MAC- . «Apply Changes».

Services Firewall MAC Filtering

MAC Filtering for bridge mode

Entries in this table are used to restrict certain types of data packets from your local network to Internet through the Gateway. Use of such filters can be helpful in securing or restricting your local network.

Outgoing Default Action:

☐ Deny

☒ Allow

Apply Changes

Direction:

Incoming

Source MAC Address:

Rule Action:

☒ Deny

☐ Allow

WAN Interface:

Any

Add

Current Filter Table

Select	Direction	Source MAC Address	Interface	Rule Action
--------	-----------	--------------------	-----------	-------------

Delete Selected

Delete All

- *Outgoing Default Action Deny/Allow* – .

«Apply Changes».

«Add»:

- *Source MAC Address* – MAC-, /;
- *WAN Interface* – .

«Current Filter Table». «Rule» ( «Allow» – «Deny» – ) «Delete Selected», «Delete All».

«Port Forwarding».

«Current Port Forwarding Table» . NAT. , - , - , NAT . «Apply Changes».

**Port Forwarding**

Entries in this table allow you to automatically redirect common network services to a specific machine behind the NAT firewall. These settings are only necessary if you wish to host some sort of server like a web server or mail server on the private local network behind your Gateway's NAT firewall.

**Port Forwarding:**
☐ Disable
 ☒ Enable
 Apply Changes

**Enable** ☒
**Application:** Half Life

Comment	Local IP	Local Port from	Local Port to	Protocol	Remote IP	Remote Port from	Remote Port to	Interface
Half Life		6003	6003	TCP		6003	6003	Any
Half Life		6003	6003	UDP		6003	6003	Any
Half Life		7001	7001	Both		7001	7001	Any
Half Life		27005	27005	UDP		27005	27005	Any
Half Life		27010	27010	UDP		27010	27010	Any
								Any
								Any
								Any
								Any
								Any
								Any
								Any
								Any

**Add**

**Current Port Forwarding Table**

Select	Comment	Local IP Address	Protocol	Local Port	Enable	Remote Host	Public Port	Interface

**Delete Selected**
**Delete All**

«Current Port Forwarding Table» Enable :

- Port Forwarding (Enable/Disable) – / ;
- Application – ;
- Comment – ;
- Local IP – IP- ;
- Local port from/to – ;
- Protocol – (TCP, UDP) ;
- Remote port from/to – . Remote port to ;
- Interface – .

«Add». «Delete Selected», «Delete All».

**«URL Blocking».**

URL . / URL- . / FQDN (Fully Qualified Domain Name) «Add», . «URL Blocking Table» «Keyword Filtering Table», URL- , «Delete Selected». «Delete All»



### URL Blocking

This page is used to configure the Blocked FQDN(Such as tw.yahoo.com) and filtered keyword. Here you can add/delete FQDN and filtered keyword.

URL Blocking:

☒ Disable ☐ Enable

Apply Changes

FQDN:

Add

URL Blocking Table

Select	FQDN
<input type="checkbox"/>	123

Delete Selected

Delete All

Keyword:

Add

Keyword Filtering Table

Select	Filtered Keyword
<input type="checkbox"/>	123

Delete Selected

Delete All

- *URL Blocking (Enable/Disable)* – I URL-Blocking;
- *FQDN (Fully Qualified Domain Name)* – ;
- *Keyword* – .

«Apply Changes».

### «Domain Blocking».

#### Services Firewall Domain blocking

### Domain Blocking Configuration

This page is used to configure the Blocked domain. Here you can add/delete the blocked domain.

Domain Blocking:

☒ Disable ☐ Enable

Apply Changes

Domain:

Add

Domain Blocking Configuration

Select	Domain
<input type="checkbox"/>	123

Delete Selected

Delete All

*Enable, Domain* «Add».

- *Domain Blocking (Enable/Disable)* – I ;
- *Domain* – .

«Apply Changes». «Domain BlockingConfiguration», «Delete Selected», «Delete All».

### «Port Triggering».

#### Services Firewall Port Triggering

### Port Triggering Configuration

entries in this table are used to open a port automatically for incoming traffic after a port has been accessed by outgoing traffic

Port Triggering:
☒ Disable
☐ Enable

Comment	Trigger start port	Trigger end port	Protocol	Incoming start port	Incoming end port	Interface
<input type="text"/>	<input type="text"/>	<input type="text"/>	Both ▾	<input type="text"/>	<input type="text"/>	▾

Add

current port triggering table

Select	Comment	Protocol	Trigger port	Incoming port	Interface
<input type="button" value="Delete Selected"/> <input type="button" value="Delete All"/>					

«current port triggering table» «Enable» :

- *Comment* – ;
- *Trigger start port* – , Incoming;
- *Trigger end port* – , Incoming;
- *Protocol* – ;
- *Incoming start port* – , Trigger;
- *Incoming end port* – , Trigger;
- *Interface* – .

«Apply Changes». «Add». , «Delete Selected», — «Delete All».

«DMZ».

IP- «DMZ Host IP Address» , *Port Forwarding*, DMZ- ( , ).

*Services Firewall DMZ*

### DMZ Configuration

A Demilitarized Zone is used to provide Internet services without sacrificing unauthorized access to its local private network. Typically, the DMZ host contains devices accessible to Internet traffic, such as Web (HTTP) servers, FTP servers, SMTP (e-mail) servers and DNS servers.

DMZ Host:
☐ Disable
☒ Enable

DMZ Host IP Address:

Apply Changes

- *DMZ Host (Enable/Disable)* – / ;
- *DMZ Host IP Address* – IP-.

«Apply Changes».

«Advance».

«Advance»

«ARP Table». ARP

MAC-. ARP ARP-, . Internet- . 5 .

*Advance Advance ARP table*

## User List

This table shows a list of learned MAC addresses.

IP Address	MAC Address
192.168.1.2	b4-2e-99-bf-71-96

Refresh

- *IP Address* – IP-;
- *MAC Address* – -.

«Refresh».

## «Bridging». Bridging

. MAC-, / 802.1d Spanning Tree.

*Advance Advance Bridging*

## Bridging Configuration

This page is used to configure the bridge parameters. Here you can change the settings or view some information on the bridge and its attached ports.

Ageing Time:	<input type="text" value="7200"/>	(seconds)
802.1d Spanning Tree:	<input type="radio"/> Disabled <input checked="" type="radio"/> Enabled	

Apply Changes

Show MACs

- *Ageing Time* – ();
- *802.1d Spanning Tree (Enable/Disable)* – / 802.1d Spanning Tree.

«Apply Changes».

, «Show MACs».

*Advance Advance Bridging Show MACs*

## Bridge Forwarding Database

This table shows a list of learned MAC addresses.

Port	MAC Address	Is Local?	Ageing Timer
1	b4-2e-99-bf-71-96	no	0.00

Refresh

Close

- *Port* – ;
- *MAC Address* – MAC-;
- *Is Local?* – ;
- *Ageing Timer* – .

«Refresh», – «Close».

## «Routing».

.

*Advance Advance Routing*

Routing Configuration

This page is used to configure the routing information. Here you can add/delete IP routes.

Enable:

☒

Destination:

Subnet Mask:

Next Hop:

Metric:

Interface:

Any ▾

Add Route

Update

Delete Selected

Show Routes

Static Route Table

Select	State	Destination	Subnet Mask	Next Hop	Metric	Interface
--------	-------	-------------	-------------	----------	--------	-----------

«Enable», «Add Route».

- Enable – ;
- Destination – ;
- Subnet Mask – ;
- Next Hop – ;
- Metric – ;
- Interface – .

«Static Route Table», «Update», «Delete Selected».

, «Show Routes», «IP Route Table».

Advance Advance Routing Show Routes

IP Route Table

This table shows a list of destination routes commonly accessed by your network.

Destination	Subnet Mask	Next Hop	Metric	Interface
127.0.0.0	255.255.255.0	*	0	lo
192.168.1.0	255.255.255.0	*	0	br0
239.255.255.250	255.255.255.255	*	0	br0

Refresh

Close

«Refresh», – «Close».

«Interface Grouping».

- . . :
1. .
  2. (Available Interface).
  3. .
  4. , «Apply Changes».

Advance Advance Interface Grouping

Interface Grouping Configuration

Select:

New Group ▾

Enable:

☒

Name:

Grouped Interfaces

wlan0

Available Interfaces

LAN1  
LAN2  
wlan0-vap0  
wlan0-vap1  
wlan0-vap2

->

<-

Apply Changes

Interface Grouping Table

Name	Status	Interfaces	Action
DEFAULT	Enable	LAN1,LAN2,wlan0,wlan0-vap0,wlan0-vap1,wlan0-vap2	

«Link mode». LAN-

LAN-. LAN1/2— , 10M Half Mode, 10M Full Mode, 100M Half Mode, 100M Full Mode Auto Mode ( ).

Advance Advance Link mode

Ethernet Link Speed/Duplex Mode

Set the Ethernet link speed/duplex mode.

LAN1:

10M Half Mode ▾

LAN2:

Auto Mode ▾

Apply Changes

«Apply Changes».

«IP QoS». (QoS)

«QoS Policy». QoS-

QoS- .

Advance IP QoS QoS Policy

## IP QoS Configuration

IP QoS

☐ Disable

☒ Enable

### QoS Queue Config

This page is used to configure the QoS policy and Queue. If select PRIO of policy, the lower numbers imply greater precedence. If select WRR of policy, please input the weight of this queue. Default is 40:30:20:10. After configuration, please click 'Apply Changes'

Policy:

☒ PRIO

☐ WRR

Queue	Policy	Priority	Weight	Enable	Rate
Q1	PRIO	1	--	<input checked="" type="checkbox"/>	<input type="text" value="0"/> KB
Q2	PRIO	2	--	<input checked="" type="checkbox"/>	<input type="text" value="0"/> KB
Q3	PRIO	3	--	<input checked="" type="checkbox"/>	<input type="text" value="0"/> KB
Q4	PRIO	4	--	<input checked="" type="checkbox"/>	<input type="text" value="0"/> KB

Apply Changes

- IP QoS (Enable/Disable) – / QoS-;
- Policy – :
  - PRIO – PRIO . . ;
  - WRR – WRR . . 40:30:20:10.

«Apply Changes».

## «QoS Classification».

Advance IP QoS QoS Classification

## QoS Classification

This page is used to add or delete classification rule.(After add a new rule, please click 'Apply Changes' to take effect.)

		Mark			Classification Rules				
ID	Name	Order	DSCP Mark	802.1p	Queue	WanIf	Rule Detail	Delete	Edit

Add

Apply Changes

«Add» .

Advance IP QoS QoS Classification Add

### Add QoS Classification Rules

This page is used to add a IP QoS classification rule.

RuleName:

RuleOrder:

#### Assign IP Precedence/DSCP/802.1p

Precedence:

DSCP Remarking:

802.1p:

#### Specify Traffic Classification Rules

IP QoS Rule by type:

☐ Port

☐ Ethery Type

☐ IP/Protocol

☐ MAC Address

Apply Changes

- *RuleName* – ;
- *RuleOrder* – .

**Assing IP Precedence/DSCP/802.1p – IP.**

- *Precedence* – ;
- *DSCP* – IP-;
- *802.1p* – 802.1Q.

**Specify Traffic Classification Rules – .**

- *IP QoS Rule by type* – :
  - *Port* – ;
  - *Ethery Type* – Ethertype;
  - *IP/Protocol* – IP;
  - *MAC Address* – MAC-.

«Apply Changes».

**«Traffic Shaping».**

*Advance IP QoS Traffic Shaping*

IP QoS Traffic Shaping

ID	Protocol	Source Port	Destination Port	Source IP	Destination IP	Rate(kb/s)	Delete	IP Version	Direction
<div><div>Add</div><div>Apply Changes</div></div>									

«Add» .

*Advance IP QoS Traffic Shaping Add*

Add IP QoS Traffic Shaping Rule

IP Version:

IPv4

Direction:

Upstream

Protocol:

NONE

Source IP:

Source Mask:

Destination IP:

Destination Mask:

Source Port:

Destination Port:

Rate Limit:

 kb/s

Close

Apply Changes

- *IP Version* – IP-;
- *Direction* – , ;
- *Protocol* – ;
- *Source IP* – IP- ;
- *Source Mask* – ;
- *Destination IP* – IP- ;
- *Destination Mask* – ;
- *Source Port* – ;
- *Destination Port* – ;
- *Rate Limit (kb/s)* – , /.

«Apply Changes», «Close».

«IPv6». IPv6

«IPv6 Enable/Disable». IPv6

/ IPv6-, «Enable»/«Disable».

Advance IPv6 IPv6 Enable/Disable

IPv6 Configuration

This page be used to configure IPv6 enable/disable

IPv6:

☐Disable ☒Enable

Apply Changes

«Apply Changes».

«RADVD». RADVD

RADVD (Router Advertisement Daemon).

Advance IPv6 RADVD

RADVD Configuration

MaxRtrAdvInterval:

600

MinRtrAdvInterval:

198

AdvManagedFlag:

☒off ☐on

AdvOtherConfigFlag:

☐off ☒on

Apply Changes

- *MaxRtrAdvInterval* – RA (Router Advertisement);
- *MinRtrAdvInterval* – RA;
- *AdvManagedFlag* – / Managed RA;
- *AdvOtherConfigFlag* – / Other RA.

«Apply Changes».

«DHCPv6». DHCPv6-

DHCPv6-.

Advance IPv6 DHCPv6

DHCPv6 Settings

This page is used to configure DHCPv6 Server and DHCPv6 Relay.

DHCPv6 Mode:

☐NONE ☒DHCPRelay ☐DHCPv6Server

This page is used to configure the upper interface (server link) for DHCPv6 Relay.

Upper Interface:

▼

Apply Changes

- *DHCPv6 Mode* – :
  - *NONE* – DHCP-;
  - *DHCPRelay* – DHCP-;
  - *DHCPv6Server* – DHCP-.

«Apply Changes».

«MLD proxy». MLD proxy



MLD proxy.

Advance IPv6 MLD proxy

MLD Proxy Configuration

This page be used to configure MLD Proxy.

Robust Count:

2

Query Interval:

125

(Second)

Query Response Interval:

2000

(millisecond)

Response Interval of Last Group Member:

2

(Second)

Apply Changes

- *Robust Count*— MLD ;
- *Query Interval*— , Query;
- *Query Response Interval*— , Query ;
- *Response Interval of Last Group Member*— Group-Specific .

«Apply Changes».

«MLD snooping». MLD snooping

/ MLD snooping, «Enable»/«Disable».

Advance IPv6 MLD snooping

MLD Snooping Configuration

This page be used to configure MLD Snooping.

MLD Snooping:

Disable

Enable

Apply Changes

«Apply Changes».

«IPv6 routing». IPv6-

IPv6-.

Advance IPv6 IPv6 routing

IPv6 Static Routing Configuration

This page is used to configure the IPv6 static routing information. Here you can add/delete static IP routes.

Enable:

☒

Destination:

Next Hop:

Metric:

Interface:

Any

Add Route

Update

Delete Selected

Delete All

Show Routes

Select

State

Destination

Next Hop

Metric

Interface

- *Enable*— ;
- *Destination*— ;
- *Next Hop*— ;
- *Metric*— ;
- *Interface*— .

IPv6 routing «Add Route». «Static IPv6 Route Table», «Update». «Delete All», «Delete Selected». «Show Routes» IPv6-, .

IP Route Table						
This table shows a list of destination routes commonly accessed by your network.						
Destination	Next Hop	Flags	Metric	Ref	Use	Interface
fe80::/64	::	U	1024	2	11	br0
fe80::/64	::	U	256	0	0	br0
::1/128	::	U	0	1	0	lo
fe80::/128	::	U	0	1	0	lo
fe80::ce9d:a2ff:feeb:9174/128	::	U	0	2	8	lo
ff00::/8	::	U	256	2	1069	br0
<div>RefreshClose</div>						

- Destination – ;
- Next Hop – ;
- Flags – ;
- Metric – ;
- Ref – ;
- Use – ;
- Interface – , .

«Refresh», – «Close».

«IPv6 IP/Port filtering».

, .

IPv6 IP/Port Filtering

Entries in this table are used to restrict certain types of data packets through the Gateway. Use of such filters can be helpful in securing or restricting your local network.

Outgoing Default Action:

Deny

Allow

Incoming Default Action:

Deny

Allow

Apply Changes

Direction:

Incoming

Protocol:

ICMPV6

Rule Action:

Deny

Allow

Source IP Address:

 -

Source Prefix Length:

Destination IP Address:

 -

Destination Prefix Length:

Source Port:

 -

Destination Port:

 -

Add

Current Filter Table

Select	Direction	Protocol	Source IP Address	Source Port	Destination IP Address	Destination Port	Interface	Rule Action
--------	-----------	----------	-------------------	-------------	------------------------	------------------	-----------	-------------

Delete Selected

Delete All

- *Outgoing Default Action* – :
  - *Deny* – ;
  - *Allow* – .
- *Incoming Default Action* – :
  - *Deny* – ;
  - *Allow* – .
- *Direction* – :
  - *Outgoing* – ;
  - *Incoming* – .
- *Protocol* – ;
- *Rule Action (Deny/Allow)* – ( / );
- *Source IP Address* – IP- ;
- *Source Prefix Length* – ;
- *Destination IP Address* – IP- ;
- *Destination Prefix Length* – ;
- *Source Port* – ;
- *Destination Port* – .

, «Add». «Current Filter Table». «Delete All», , «Delete Selected».

«IPv6 ACL». IPv6 ACL

IPv6,

WAN, LAN.

Advance IPv6 IPv6 ACL

### IPv6 ACL Configuration

This page is used to configure the IPv6 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.

IPv6 ACL Capability:

☐ Disable ☒ Enable

Apply Changes

Enable:

☒

Interface:

LAN ▾

Source IP Address:

Source Prefix Length:

ServiceName	LAN
Any	<input type="checkbox"/>
TELNET	<input checked="" type="checkbox"/>
FTP	<input type="checkbox"/>
TFTP	<input type="checkbox"/>
HTTP	<input type="checkbox"/>
HTTPS	<input type="checkbox"/>
PING	<input checked="" type="checkbox"/>

Add

Current ACL Table

Select	State	Interface	IP Address	Services	Port
--------	-------	-----------	------------	----------	------

Delete Selected

«Current ACL Table» Enable :

- IPv6 ACL Capability – ;
- Enable – IPv6 ACL;
- Interface – IPv6 ACL;
- Source IP Address/Source Prefix Length – , ;
- Services – , . ICMP, Telnet, HTTP. LAN .

«Add». «Delete Selected».

### «Diagnostics»

#### «Ping».

Ping, ICMP.

Diagnostics Ping

Ping Diagnostics

This page is used to send ICMP ECHO\_REQUEST packets to network host. The diagnostic result will then be displayed.

Host Address:

WAN Interface:

Any ▾

Go

- WAN Interface – , .

IP- «Host Address» «Go».

### «Ping6».

Ping, ICMPv6.

Ping6 Diagnostics

This page is used to send ICMPv6 ECHO\_REQUEST packets to network host. The diagnostic result will then be displayed.

Host Address:

WAN Interface:

Any ▾

Go

- WAN Interface – , .

IP- «Host Address» «Go».

«Traceroute». IPv4

UDP- / .

Traceroute Diagnostics

This page is used to print the route packets trace to network host. The diagnostic result will then be displayed.

Protocol:

UDP ▾

Host Address:

Number Of Tries:

3

Time out:

5

s

Data Size:

56

Bytes

DSCP:

0

Max HopCount:

30

WAN Interface:

Any ▾

Go

- Protocol – , ;
- Host Address – , ;
- Number Of Tries – ;
- Time out – ;
- Data Size – ;
- DSCP – Differentiated services codepoint ;
- Max HopCount – ;
- WAN Interface – , .

«Go».

«Traceroute6». IPv6

UDP- / .

Traceroute6 Diagnostics

This page is used to print the route packets trace to network host. The diagnostic result will then be displayed.

Host Address:	<input type="text"/>
NumberOfTries:	<input type="text" value="3"/>
Timeout:	<input type="text" value="5"/> s
Datasize:	<input type="text" value="56"/> Bytes
MaxHopCount:	<input type="text" value="30"/>
WAN Interface:	<input type="text" value="Any"/>

Go

- *Host Address* – , ;
- *Number Of Tries* – ;
- *Time out* – ;
- *Data Size* – ;
- *Max HopCount* – ;
- *WAN Interface* – , .

«Go».

«Admin»

. , , .

«GPON Settings». GPON

Admin GPON Settings

GPON Settings

This page is used to configure the parameters for your GPON network access.

PLOAM Password:	<input type="text" value="0000000000"/>
Serial Number:	454C54588C00003C
OMCI OLT Mode:	<input type="text" value="Default Mode"/>

Apply Changes

- *PLOAM Password* – OLT;
- *Serial Number* – PON CPE.

«Apply Changes».

«OMCI Information»

Admin OMCI Information

### OMCI Information

OMCI Vendor ID:	<input type="text" value="ELTX"/>
OMCI software version 1:	3.0.1.2760
OMCI software version 2:	3.0.1.2760
OMCC version:	0x00
Traffic Managment option:	2
CWMP Product Class:	NTU-52W
HW version:	1x2

- OMCI Vendor ID – ;
- OMCI software version 1 – ;
- OMCI software version 2 – ;
- OMCC version – OMCI;
- Traffic Managment option – ;
- CWMP Product Class – ;
- HW version – .

«Apply Changes».

### «Commit/Reboot».

«Commit and Reboot» . . .

*Admin Commit/Reboot*

### Commit and Reboot

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

Commit and Reboot:	<input type="button" value="Commit and Reboot"/>
--------------------	--

### «Backup/Restore».

(Backup Settings) «Backup Settings to File», , (Update Settings) «Restore» (Restore Default), «Reset Settings to Default».

*Admin Backup/Restore*

### 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.

Backup Settings to File:	<input type="button" value="Backup..."/>
Restore Settings from File:	<input type="button" value="Выберите файл"/> Файл не выбран <input type="button" value="Restore"/>
Reset Settings to Default:	<input type="button" value="Reset"/>

### «Password». ( )

*Admin Password*

### Password Configuration

This page is used to set the account to access the web server of your Device. Empty user name and password will disable the protection.

UserName:	<input type="text" value="admin"/>
Old Password:	<input type="password"/>
New Password:	<input type="password"/>
Confirmed Password:	<input type="password"/>
<input type="button" value="Apply Changes"/> <input type="button" value="Reset"/>	

*Old Password, New Password Confirmed Password.*

«Apply hanges», – «Reset».

### «Firmware upgrade».

, « » «Upgrade», «Reset».

*Admin Firmware upgrade*

### Firmware Upgrade

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.

<input type="button" value="Выберите файл"/>	<b>Файл не выбран</b>
<input type="button" value="Upgrade"/> <input type="button" value="Reset"/>	



### «ACL»

*Admin Firmware upgrade*



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.

Apply Changes

Enable:

☒

Interface:

LAN

IP Address:

Subnet Mask:

Protocol:

Add

ACL Table

Select	State	Interface	IP Address	Services	Port
<input type="checkbox"/>	Enable	LAN	0.0.0.0/0	HTTP	80
<input type="checkbox"/>	Enable	LAN	0.0.0.0/0	ICMP	N/A
<input type="checkbox"/>	Enable	LAN	0.0.0.0/0	HTTPS	443

Delete Selected

«ACL Table» Enable :

- Interface – ;
- IP Address – IP- ;
- Subnet Mask – ;
- Protocol – .

«Add». «Delete Selected».

«Time zone».

, . .

Admin Time zone

Time Zone Configuration

You can maintain the system time by synchronizing with a public time server over the Internet.

Current Time :

Year 1970 Mon 1 Day 2 Hour 0 Min 4 Sec 45

Time Zone Select :

Asia/Novosibirsk (UTC+06:00)

Enable Daylight Saving Time

☒

Enable SNTP Client Update

☐

WAN Interface:

SNTP Server :

☒ 192.5.41.41 - North America ☐ (Manual Setting)

SNTP Interval :

86400 (seconds)

Apply Changes

Refresh

- Current time – ;
- Time Zone Select – ;
- Enable Daylight Saving Time – ;
- Enable SNTP Client Update – SNTP;
- WAN Interface – , ;
- SNTP Server – ;

- *SNTP Interval* – NTP.

«Apply Changes», «Refresh».

## «TR-069». TR-069

TR-069.

*Admin TR-069*

**TR-069 Configuration**  
 This page is used to configure the TR-069 CPE. Here you may change the setting for the ACS's parameters.

TR069 Daemon:	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
EnableCWMPParamete:	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled

**ACS**

URL:	<input type="text" value="http://192.168.200.10:9595"/>
UserName:	<input type="text" value="acs"/>
Password:	<input type="text" value="acsacs"/>
Periodic Inform:	<input type="radio"/> Disabled <input checked="" type="radio"/> Enabled
Periodic Inform Interval:	<input type="text" value="3600"/>

**Connection Request**

UserName:	<input type="text" value="admin"/>
Password:	<input type="text" value="admin"/>
Path:	<input type="text"/>
Port:	<input type="text" value="30005"/>

**Certificate Management**

Enable CWMP WAN ACL:	<input type="radio"/> Enabled <input checked="" type="radio"/> Disabled <input type="button" value="Apply Changes"/>
IP Address:	<input type="text"/>
Subnet Mask:	<input type="text"/>

**CWMP WAN ACL Table**

Select	IP Address
<input type="button" value="Delete Selected"/>	

- *TR069 Daemon (Enable/Disabled)* – / TR-069;
- *EnableCWMPParamete (Enable/Disabled)* – / CWMP;

**ACS** – ACS.

- *URL* – URL ;
- *UserName* – ;
- *Password* – ;
- *Periodic Inform* – / ;
- *Periodic Inform Interval* – .

**Connection Request** – ONT.

- *UserName* – ;
- *Password* – ;
- *Path* – ;
- *Port* – .

«Apply», – «Undo». , «Upload». «Add». X , «Delete Selected».

«Statistics».

«Interface».

/ .

Statistics Interface

Interface Statisitcs						
This page shows the packet statistics for transmission and reception regarding to network interface.						
Interface Statisitcs						
Interface	Rx pkt	Rx err	Rx drop	Tx pkt	Tx err	Tx drop
LAN1	164018	0	0	79699	0	0
LAN2	0	0	0	0	0	0
LAN3	3190638	0	0	0	0	0
<div>RefreshReset Statistics</div>						

- Interface – ;
- Rx pkt – ;
- RX err – ;
- Rx drop – ;
- Tx pkt – ;
- Tx err – ;
- Tx drop – .

«PON».

.

Statistics PON

PON Statistics	
Bytes Sent:	0
Bytes Received:	0
Packets Sent:	0
Packets Received:	0
Unicast Packets Sent:	0
Unicast Packets Received:	0
Multicast Packets Sent:	0
Multicast Packets Received:	0
Broadcast Packets Sent:	0
Broadcast Packets Received:	0
FEC Errors:	0
HEC Errors:	0
Packets Dropped:	0
Pause Packets Sent:	0
Pause Packets Received:	0
<div>Reset Statistics</div>	

- Bytes Sent – ;

- *Bytes Received* – ;
- *Packets Sent* – ;
- *Packets Received* – ;
- *Unicast Packet Sent* – Unicast- ;
- *Unicast Packet Received* – Unicast- ;
- *Multicast Packets Sent* – Multicast- ;
- *Multicast Packets Received* – Multicast- ;
- *Broadcast Packet Sent* – ;
- *Broadcast Packet Received* – ;
- *FEC Errors* – FEC;
- *HEC Errors* – HEC;
- *Packets Dropped* – ;
- *Pause Packets Sent* – ;
- *Pause Packets Received* – .

1.2	3.0.3	07.2023	
1.1	3.0.2	03.2023	
1.0	3.0.1	02.2023	