

# 2.5.1 NTU-RG-54xx (user)

NTU-RG-54xx

2.5.1 (11.2021)

IP-: <http://192.168.1.1>

: user

: user

GPON PON. « », 2,5 / downlink 1,25 / uplink. GPON IP .

GPON (OLT) (ONT). OLT Gigabit Ethernet GPON, PON . ONT . -.


ONT NTU « » , UNI- 10/100/1000BASE-T FXS<sup>1</sup> , Wi-Fi, USB, Z-Wave<sup>2</sup> , RF<sup>3</sup> :

- NTU-RG-5402G-W, NTU-RG-5421G-Wac, NTU-RG-5421GC-Wac, NTU-RG-5421G-WZ, NTU-RG-5440G-WZ, NTU-RG-5440G-Wac, NTU-RG-5420G-Wac, NTU-RG-5420G-WZ, NTU-RG-5421G-Wac rev.B, NTU-RG-5421G-WZ rev.B, NTU-RG-5440G-Wac rev.B, NTU-RG-5440G-WZ rev.B.

, , , NTU-RG.

 , .

 , , .



<sup>1</sup> NTU-RG-5402G-W, NTU-RG-5421G-Wac, NTU-RG-5421GC-Wac, NTU-RG-5421G-WZ, NTU-RG-5421G-Wac rev.B, NTU-RG-5421G-WZ rev.B.

<sup>2</sup> NTU-RG-5420G-WZ, NTU-RG-5421G-WZ, NTU-RG-5440G-WZ, NTU-RG-5421G-WZ rev.B, NTU-RG-5440G-WZ rev.B.

<sup>3</sup> NTU-RG-5421GC-Wac.

NTU-RG GPON ONT(Gigabit Passive Optical Network) – , . GPON PON-, Ethernet.

GPON . - . , ONT , -.

, . DoS , MAC/IP- /. web-, LAN- DMZ. « » web- . (VPN) .

FXS IP-, , , , .

USB USB- (USB-, HDD).

NTU-RG-5402G-W, Wi-Fi b/g/n – 2.4 . NTU-RG-5421G-Wac, NTU-RG-5421G-WZ, NTU-RG-5421GC-Wac, NTU-RG-5440G-WZ, NTU-RG-5440G-Wac, NTU-RG-5420G-Wac, NTU-RG-5420G-WZ, NTU-RG-5421G-Wac rev.B, NTU-RG-5421G-WZ rev.B, NTU-RG-5440G-Wac rev.B, NTU-RG-5440G-WZ rev.B Wi-Fi IEEE 802.11a/b/g/n/ac. 802.11ac 1733 / . Wi-Fi – 2.4 5 .

NTU-RG-5421G-WZ, NTU-RG-5420G-WZ, NTU-RG-5440G-WZ, NTU-RG-5421G-WZ rev.B, NTU-RG-5440G-WZ rev.B " " .

" " . Wi-Fi IEEE 802.11 , , " " 1 (, /, , ..). ( 2.4 , , — Wi-Fi, ZigBee, Bluetooth).

" " , , , , .

NTU-RG-5421GC-Wac RF-, ( ).

NTU-RG , 1.

1 –

	WAN	LAN	FXS	Z-Wave	TV	Wi-Fi	USB
NTU-RG-5402G-W	1xGPON	41Gigabit	2	-	-	802.11n, 2*2 - 300 / – 2.4	1
NTU-RG-5421G-Wac	1xGPON	41Gigabit	1	-	-	802.11n, 2*2 - 300 / – 2.4 802.11ac, 2*2 - 866 / – 5	1
NTU-RG-5421GC-Wac	1xGPON	41Gigabit	1	-	1	802.11n, 2*2 - 300 / – 2.4 802.11ac, 2*2 - 866 / – 5	1
NTU-RG-5421G-WZ	1xGPON	41Gigabit	1	1	-	802.11n, 2*2 - 300 / – 2.4 802.11ac, 2*2 - 866 / – 5	1
NTU-RG-5440G-Wac	1xGPON	41Gigabit	-	-	-	802.11n, 2*2 - 300 / – 2.4 802.11ac, 4*4 - 1733 / – 5	1
NTU-RG-5440G-WZ	1xGPON	41Gigabit	-	1	-	802.11n, 2*2 - 300 / – 2.4 802.11ac, 4*4 - 1733 / – 5	1
NTU-RG-5420G-Wac	1xGPON	41Gigabit	-	-	-	802.11n, 2*2 - 300 / – 2.4 802.11ac, 2*2 - 866 / – 5	1
NTU-RG-5420G-WZ	1xGPON	41Gigabit	-	1	-	802.11n, 2*2 - 300 / – 2.4 802.11ac, 2*2 - 866 / – 5	1
NTU-RG-5421G-Wac rev.B	1xGPON	41Gigabit	1	-	-	802.11n, 2*2 - 300 / – 2.4 802.11ac, 2*2 - 866 / – 5	1
NTU-RG-5421G-WZ rev.B	1xGPON	41Gigabit	1	1	-	802.11n, 2*2 - 300 / – 2.4 802.11ac, 2*2 - 866 / – 5	1
NTU-RG-5440G-Wac rev.B	1xGPON	41Gigabit	-	-	-	802.11n, 2*2 - 300 / – 2.4 802.11ac, 4*4 - 1733 / – 5	1
NTU-RG-5440G-WZ rev.B	1xGPON	41Gigabit	-	1	-	802.11n, 2*2 - 300 / – 2.4 802.11ac, 4*4 - 1733 / – 5	1

:

- RJ-11 (FXS):
  - 2 NTU-RG-5402G-W;
  - 1 NTU-RG-5421G-Wac, NTU-RG-5421G-WZ, NTU-RG-5421G-Wac rev.B, NTU-RG-5421G-WZ rev.B, NTU-RG-5421GC-Wac.
- 1 PON SC/APC (WAN);
- Ethernet RJ-45 LAN (LAN):
  - 4 RJ-45 10/100/1000BASE-T.
- Wi-Fi:
  - 802.11b/g/n NTU-RG-5402G-W;
  - 802.11a/b/g/n/ac NTU-RG-5420G-Wac, NTU-RG-5420G-WZ, NTU-RG-5421G-Wac, NTU-RG-5421G-WZ, NTU-RG-5421GC-Wac, NTU-RG-5440G-Wac, NTU-RG-5440G-WZ, NTU-RG-5421G-Wac rev.B, NTU-RG-5421G-WZ rev.B, NTU-RG-5440G-WZ rev.B, NTU-RG-5440G-Wac rev.B.
- 1 USB 2.0 USB HDD;
- " ", NTU-RG-5420G-WZ, NTU-RG-5421G-WZ, NTU-RG-5440G-WZ, NTU-RG-5421G-WZ rev.B, NTU-RG-5440G-WZ rev.B;
- 1 RF- (CaTV) NTU-RG-5421GC-Wac.

:

- NTU-RG-5402G-W, NTU-RG-5421G-Wac, NTU-RG-5421G-WZ, NTU-RG-5421GC-Wac, NTU-RG-5440G-WZ, NTU-RG-5440G-Wac, NTU-RG-5421G-Wac rev.B, NTU-RG-5421G-WZ rev.B, NTU-RG-5440G-WZ rev.B, NTU-RG-5440G-Wac rev.B 220/12B 2;
- NTU-RG-5420G-Wac, NTU-RG-5420G-WZ 220/12 1,5.

:

- C :
  - « » « »;
  - 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);
  - IPsec (IP Security);
  - NAT (Network Address Translation);
  - Firewall;
  - NTP (Network Time Protocol);
  - QoS;

- IGMP-snooping;
- IGMP-proxy;
- Parental Control;
- Storage service;
- SMB, FTP;
- Print Server ( LAN);
- VLAN IEEE 802.1Q.
- *Wi-Fi*:
  - 802.11a/b/g/n/ac <sup>1</sup>;
  - : 2.4 5 ;
  - EasyMesh <sup>2</sup>.
- *IP* <sup>3</sup>:
  - SIP;
  - : G.729 (A), G.711(A/U), G.723.1;
  - ToS RTP;
  - ToS SIP;
  - ( G.164, G.165);
  - (VAD);
  - (CNG);
  - DTMF;
  - DTMF (INBAND, RFC2833, SIP INFO);
  - : G.711, T.38;
  - Caller ID.
- <sup>3</sup>:
  - – Call Hold;
  - – Call Transfer;
  - – Call Waiting;
  - – Forward unconditionally;
  - – Forward on "no answer";
  - – Forward on "busy";
  - Caller ID ETSI FSK;
  - Caller ID ( ) – Anonymous calling;
  - – Warmline;
  - ;
  - – MWI;
  - – Anonymous call blocking;
  - – Call Barring;
  - " " – DND.
- :
  - web-;
  - TR-069;
  - OMCI.
- , :
  - TR-069;
  - web-;
  - OMCI;
  - Telnet.
- " " <sup>4</sup>;
- <sup>5</sup>.



<sup>1</sup> NTU-RG-5402G-W — 802.11b/g/n.

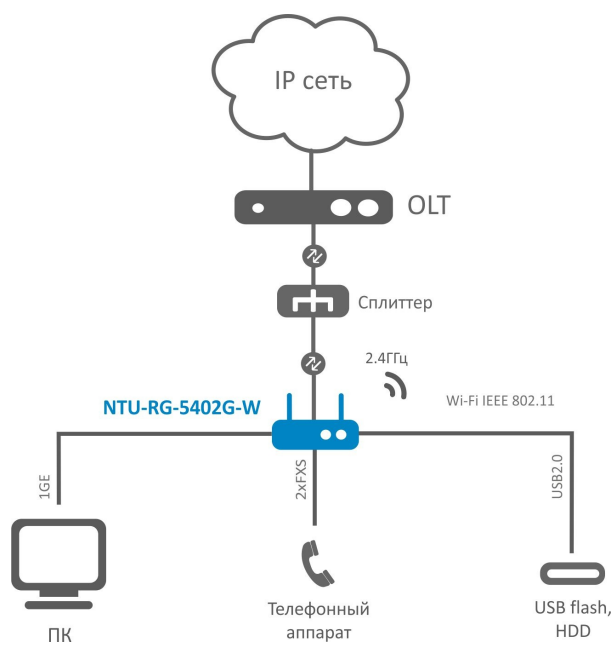
<sup>2</sup> , NTU-RG-5402G-W, NTU-RG-5421G-Wac.

<sup>3</sup> NTU-RG-5402G-W, NTU-RG-5421G-Wac, NTU-RG-5421G-WZ, NTU-RG-5421GC-Wac, NTU-RG-5421G-Wac rev.B, NTU-RG-5421G-WZ rev.B.

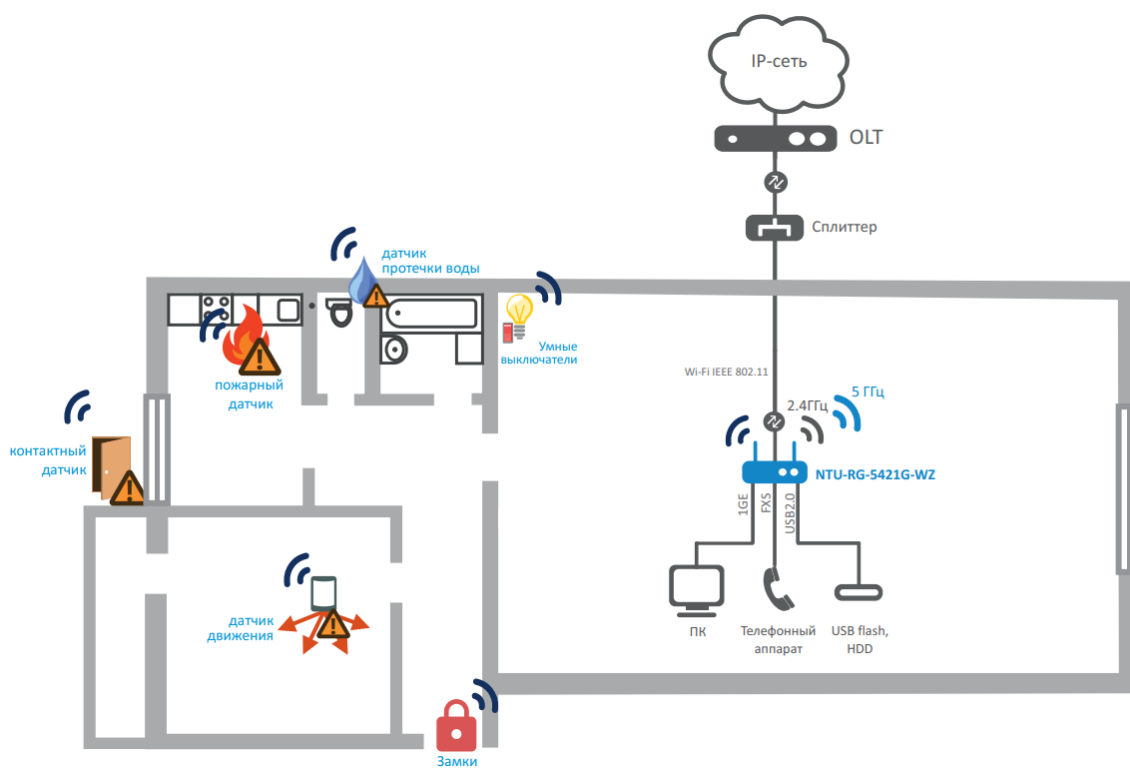
<sup>4</sup> NTU-RG-5421G-WZ, NTU-RG-5420G-WZ, NTU-RG-5440G-WZ. NTU-RG-5421G-WZ rev.B, NTU-RG-5440G-WZ rev.B.

<sup>5</sup> NTU-RG-5421GC-Wac.

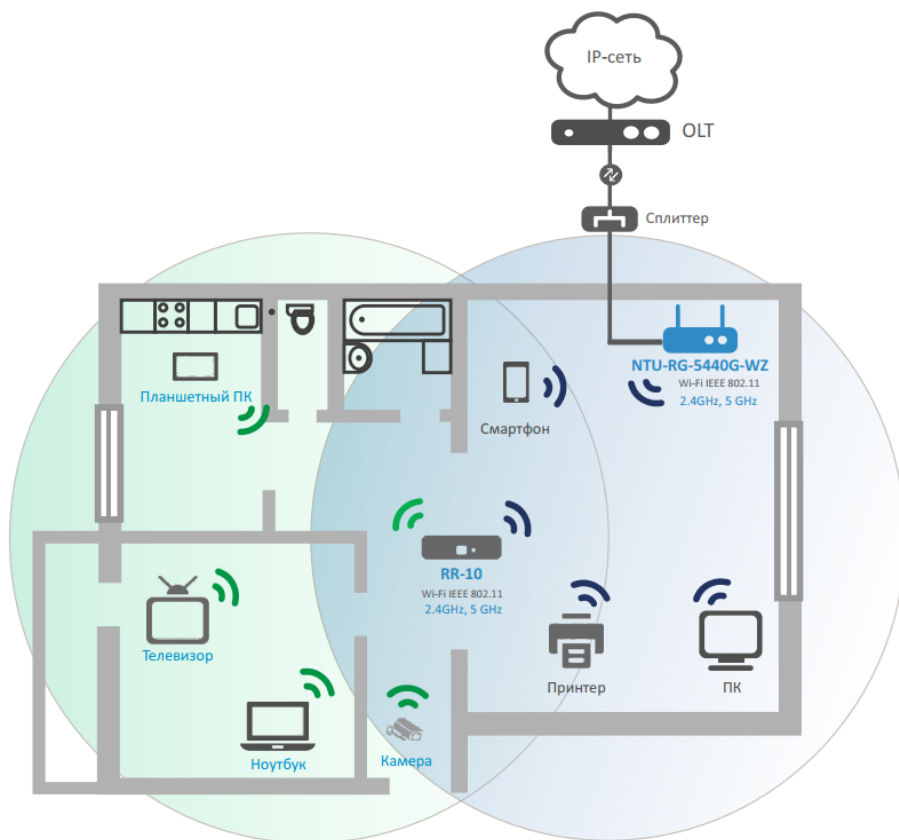
NTU-RG.



1 – NTU-RG-5402G-W



2 – NTU-RG-5421G-WZ, NTU-RG-5421G-WZ rev.B, NTU-RG-5420G-WZ, NTU-RG-5440G-WZ NTU-RG-5440G-WZ rev.B



3 – NTU-RG-5420G-Wac, NTU-RG-5420G-WZ, NTU-RG-5421G-Wac, NTU-RG-5421G-WZ, NTU-RG-5421GC-Wac, NTU-RG-5440G-WZ, NTU-RG-5440G-Wac, NTU-RG-5421G-Wac rev.B, NTU-RG-5421G-WZ rev.B, NTU-RG-5440G-WZ rev.B NTU-RG-5440G-Wac rev.B

2.

2 –

VoIP

	SIP
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	G.729, annex A G.711(A/μ) G.723.1 (5,3 Kbps) : G.711, T.38
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Ethernet LAN

	4
	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
	ITU-T G.984.x Gigabit-capable passive optical networks (GPON) ITU-T G.988 ONU management and control interface (OMCI) specification IEEE 802.1Q Tagged VLAN IEEE 802.1P Priority Queues IEEE 802.1D Spanning Tree Protocol
	SC/APC ITU-T G.984.2, ITU-T G.984.5 Filter, FSN 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

	NTU-RG-5402G-W	NTU-RG-5421G-Wac NTU-RG-5421GC-Wac NTU-RG-5421G-WZ NTU-RG-5421G-Wac rev.B NTU-RG-5421G-WZ rev.B
	2	1
	2	
	/ (DTMF)	
Caller ID		

## Wi-Fi

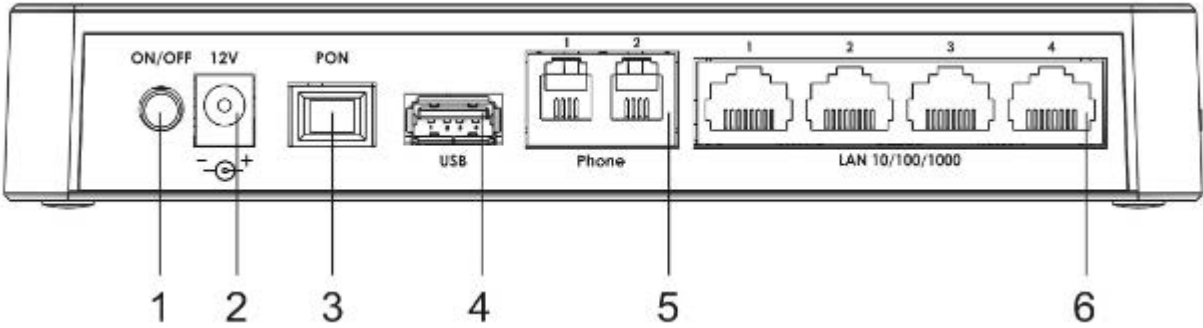
	NTU-RG-5402G-W	NTU-RG-5420G-Wac NTU-RG-5420G-WZ NTU-RG-5421G-Wac NTU-RG-5421GC-Wac NTU-RG-5421G-WZ NTU-RG-5421G-Wac rev.B NTU-RG-5421G-WZ rev.B	NTU-RG-5440G-Wac NTU-RG-5440G-WZ NTU-RG-5440G-Wac rev.B NTU-RG-5440G-WZ rev.B
	802.11 b/g/n	802.11 a/b/g/n/ac	802.11 a/b/g/n/ac

	2400 ~ 2483,5	2400 ~ 2483,5 , 5150 ~ 5350 , 5650 ~ 5850 (Simultaneous Dual Band)	
	CCK, BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM	CCK, BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM	
, /	– 802.11b/g/n: 1-13 – 802.11b: 1; 2; 5,5 11 / – 802.11g: 6, 9, 12, 18, 24, 36, 48 54 / – 802.11n: 6,5 300 /c ( MCS0 MCS15)	– 802.11b/g/n: 1-13 – 802.11b: 1; 2; 5,5 11 / – 802.11g: 6, 9, 12, 18, 24, 36, 48 54 / – 802.11ac: 866 /c (80 ) – 802.11n: 6,5 300 /c ( MCS0 MCS15)	– 802.11b/g/n: 1-13 – 802.11b: 1; 2; 5,5 11 / – 802.11g: 6, 9, 12, 18, 24, 36, 48 54 / – 802.11ac: 1733 /c (80 ) – 802.11n: 6,5 300 /c ( MCS0 MCS15)
	– 802.11b (11 Mbps): 17 – 802.11g (54 Mbps): 15 – 802.11n (MCS7): 15	– 802.11b (11 Mbps): 17 – 802.11g (54 Mbps): 15 – 802.11n (MCS7): 15 – 802.11 (MCS0): 19	2.4 : – 802.11b (11 Mbps): 18 – 802.11g (54 Mbps): 16 – 802.11n (MCS7): 16 – 802.11n (MCS0): 18 5 : – 802.11ac (MCS7): 18 – 802.11 (MCS0): 20
MAC-	CSMA/CA ACK 32 MAC		
	64/128- WEP- WPA, WPA2 802.1x AES & TKIP		
MIMO	2.4 - 22	2.4 - 22, 5 - 22	2.4 - 22, 5 - 44
	5		
	+5 +40°		

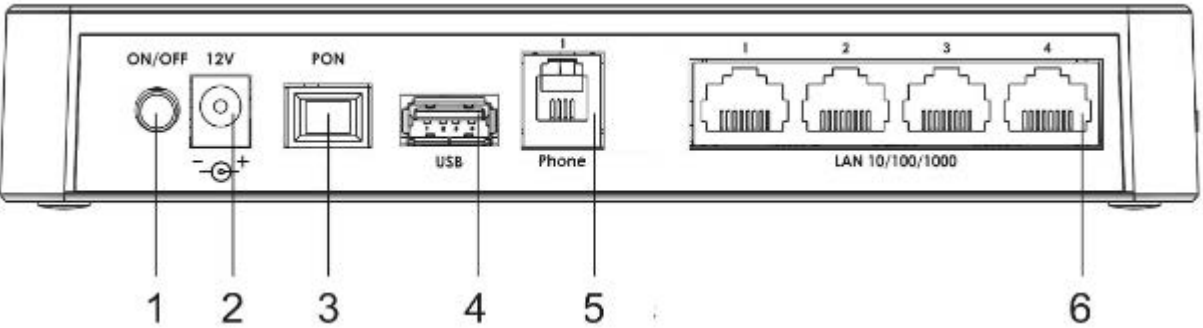
	Web-
	Telnet, TR-069, OMCI
	OMCI, TR-069, HTTP

	NTU-RG-5402G-W NTU-RG-5421G-Wac NTU-RG-5421G-WZ	NTU-RG-5421GC-Wac	NTU-RG-5440G-Wac NTU-RG-5440G-WZ NTU-RG-5440G-Wac rev.B NTU-RG-5440G-WZ rev.B	NTU-RG-5421G-Wac rev.B NTU-RG-5421G-WZ rev.B NTU-RG-5420G-Wac NTU-RG-5420G-WZ
	12 DC/220 AC			
	18			
	+5 +40°			
	80%			
0	187x32x120	220x50x120	234x34x133	234x34x133
	0,3	0,45	0,57	0,3

4, 5, 6, 7, 8.



4 – NTU-RG-5402G-W

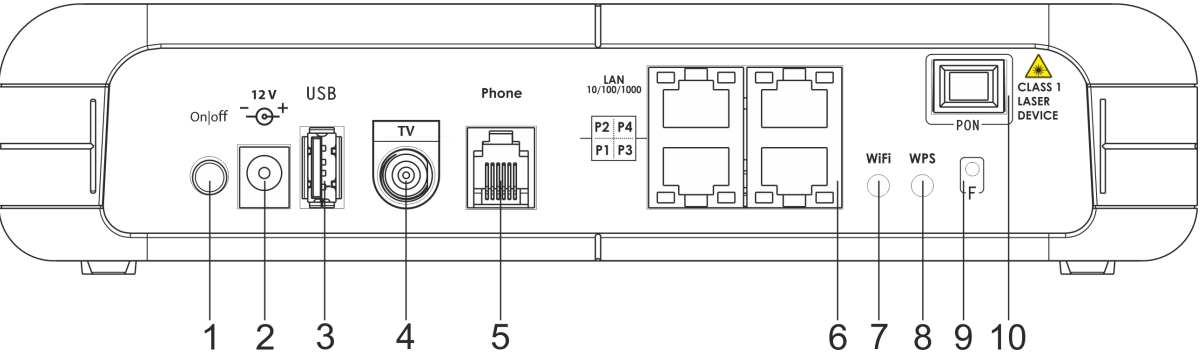


5 – NTU-RG-5421G-Wac NTU-RG-5421G-WZ

NTU-RG-5402G-W, NTU-RG-5421G-Wac NTU-RG-5421G-WZ , 3.

3 –

1	On/Off	
2	12V	
3	PON	SC () PON GPON
4	USB	USB-
5	Phone	RJ-11 : <ul style="list-style-type: none"> <li>• 2 NTU-RG-5402G-W</li> <li>• 1 NTU-RG-5421G-Wac NTU-RG-5421G-WZ</li> </ul>
6	LAN 10/100/1000 1..4	4 RJ-45

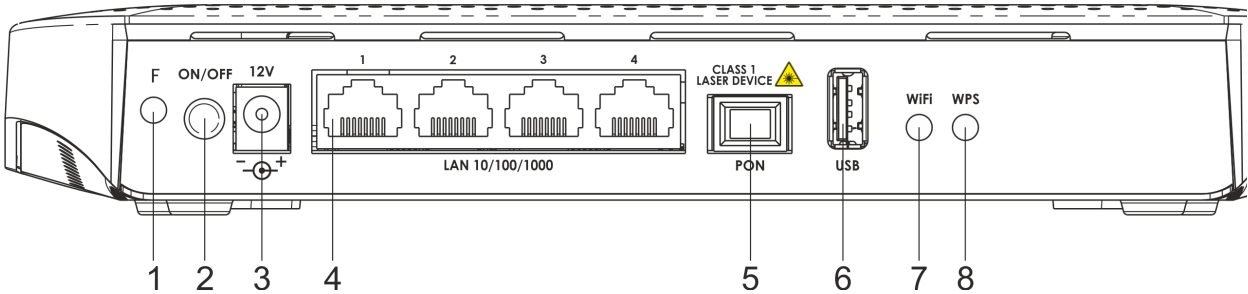




, 4.

4 –

1	On/Off	
2	12V	
3	USB	USB-
4	TV	RF-
5	Phone	RJ-11 .
6	LAN 10/100/1000 P1.. P4	4 RJ-45
7	Wi-Fi	/ Wi-Fi
8	WPS	Wi-Fi
9	F	
10	PON	SC () PON GPON

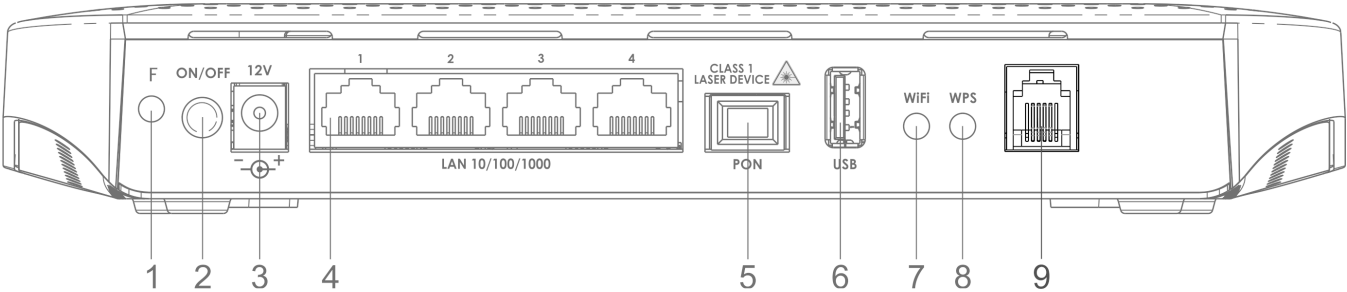


7 – NTU-RG-5420G-Wac, NTU-RG-5420G-WZ, NTU-RG-5440G-Wac, NTU-RG-5440G-WZ, NTU-RG-5440G-Wac rev.B, NTU-RG-5440G-WZ rev.B

NTU-RG-5420G-Wac, NTU-RG-5420G-WZ, NTU-RG-5440G-Wac, NTU-RG-5440G-WZ, NTU-RG-5440G-Wac rev.B, NTU-RG-5440G-WZ rev.B , 5.

5 –

1	F	
2	On/Off	
3	12V	
4	LAN 10/100/1000 1.. 4	4 RJ-45
5	PON	SC () PON GPON
6	USB	USB-
7	Wi-Fi	/ Wi-Fi
8	WPS	Wi-Fi



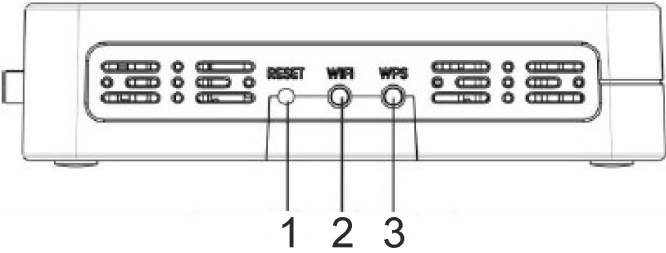
8 – NTU-RG-5421G-Wac rev.B, NTU-RG-5421G-WZ rev.B

NTU-RG-5421G-Wac rev.B, NTU-RG-5421G-WZ rev.B , 6.

6 – ,

1	F	
2	On/Off	
3	12V	
4	LAN 10/100/1000 1..4	4 RJ-45
5	PON	SC () PON GPON
6	USB	USB-
7	Wi-Fi	/ Wi-Fi
8	WPS	Wi-Fi
9	Phone	RJ-11 .

NTU-RG-5402G-W, NTU-RG-5421G-Wac NTU-RG-5421G-WZ 9.



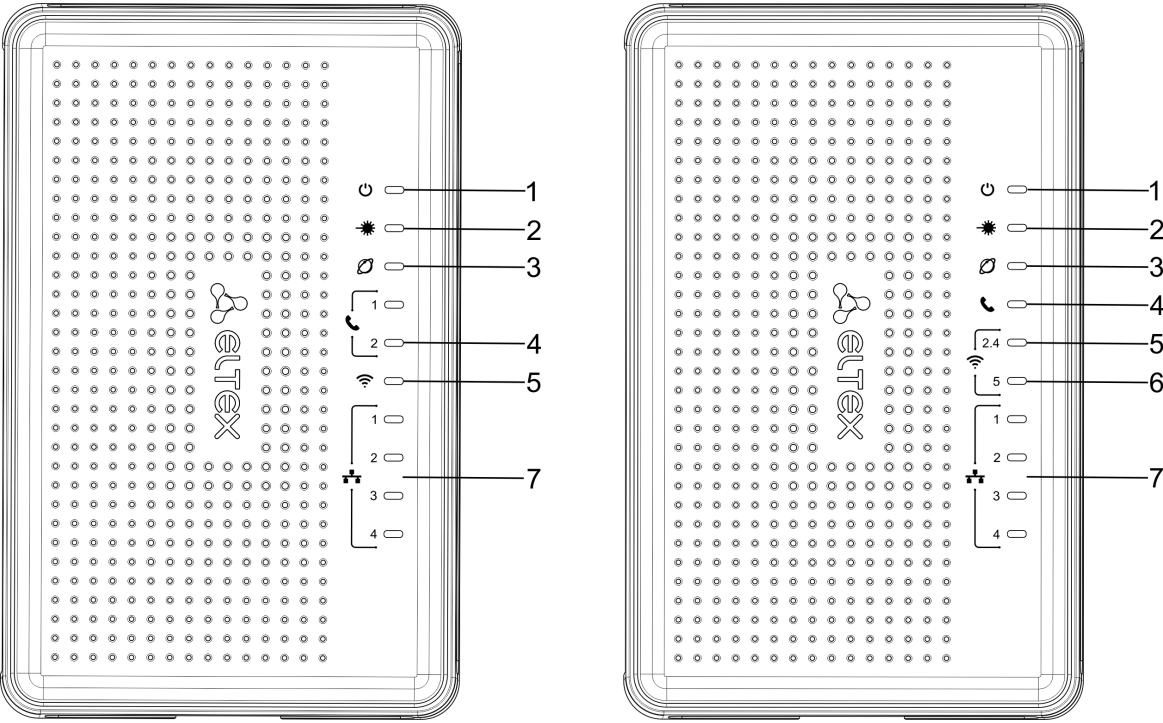
9 – NTU-RG-5402G-W, NTU-RG-5421G-Wac NTU-RG-5421G-WZ

, 7.

7 – NTU-RG-5402G-W, NTU-RG-5421G-Wac NTU-RG-5421G-WZ

1	Reset	
2	Wi-Fi	/ Wi-Fi
3	WPS	Wi-Fi








NTU-RG-5402G-W, NTU-RG-5421G-Wac, NTU-RG-5421G-WZ 10.



10 – NTU-RG-5402G-W () NTU-RG-5421G-Wac, NTU-RG-5421G-WZ ()

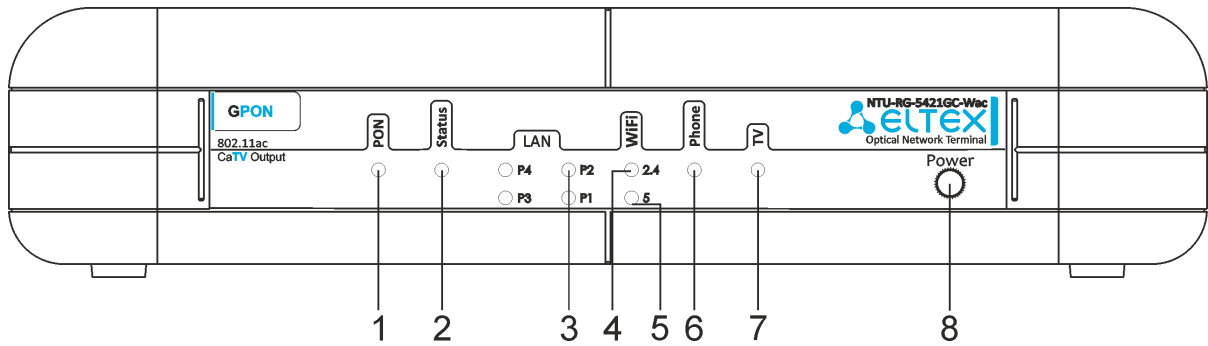
, . 8.

8 – NTU-RG-5402G-W, NTU-RG-5421G-Wac NTU-RG-5421G-WZ

1	 _		
2	 _		
3	 _		
4	 _ FXS		
5	 2.4 – Wi-Fi 2.4		
6	 5 – Wi-Fi 5		
7	 1..4 – Ethernet-		

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NTU-RG-5421G-Wac 11.



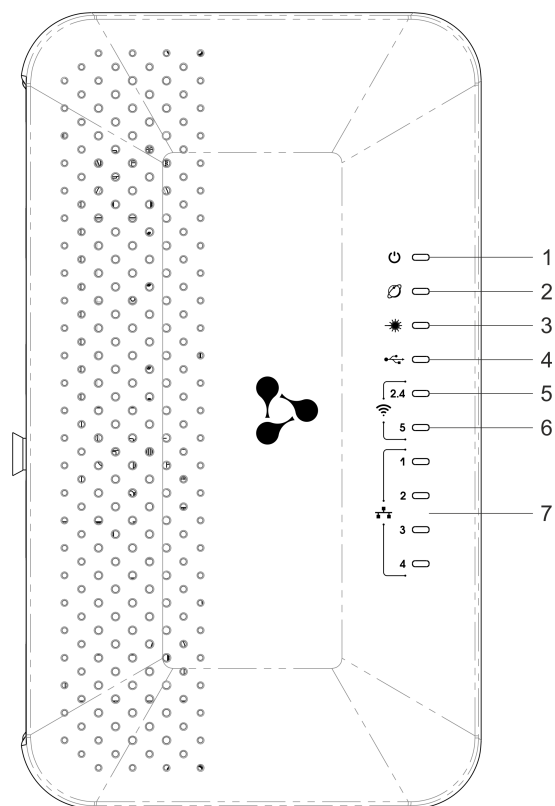
11 – NTU-RG-5421G-Wac

, . 9.

9 – NTU-RG-5421G-Wac







1	PON –		
2	Status –		
3	LAN P1..P4 – Ethernet-		10/100 /
			1000 /
4	WiFi 2.4 – Wi-Fi 2.4		Wi-Fi
			Wi-Fi
			Wi-Fi
5	WiFi 5 – Wi-Fi 5		Wi-Fi
			Wi-Fi
			Wi-Fi
6	Phone – FXS		SIP- //
			SIP-
			/
7	TV – "TV"		-8 dBm < CATV < +2 dBm
			RF-
			-
			( +2 )
8	Power –		

NTU-RG-5420G-Wac, NTU-RG-5420G-WZ, NTU-RG-5440G-Wac, NTU-RG-5440G-WZ, NTU-RG-5440G-Wac rev.B, NTU-RG-5440G-WZ rev.B 12.



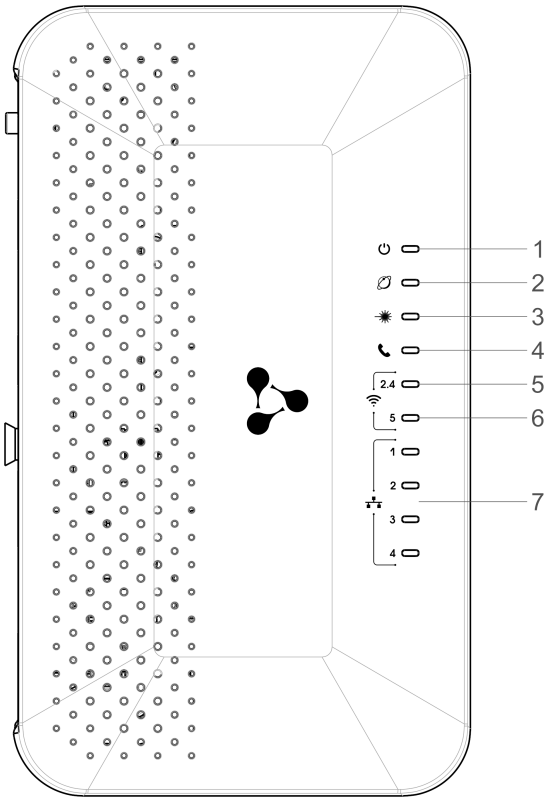
12 – NTU-RG-5420G-Wac, NTU-RG-5420G-WZ, NTU-RG-5440G-Wac, NTU-RG-5440G-WZ, NTU-RG-5440G-Wac rev.B, NTU-RG-5440G-WZ rev.B  
, . 10.

10 – NTU-RG-5420G-Wac, NTU-RG-5420G-WZ, NTU-RG-5440G-Wac, NTU-RG-5440G-WZ, NTU-RG-5440G-Wac rev.B, NTU-RG-5440G-WZ rev.B

1	 _		
2	 _		
3	 _		
4	 _ USB	USB-	
		USB-	
		USB-	
5	 2.4 – Wi-Fi 2.4	Wi-Fi	
		Wi-Fi	
		Wi-Fi	
6	 5 – Wi-Fi 5	Wi-Fi	
		Wi-Fi	
		Wi-Fi	

7	1..4 – Ethernet-	10/100 /
		1000 /






NTU-RG-5421G-Wac rev.B, NTU-RG-5421G-WZ rev.B 13.



13 – NTU-RG-5421G-Wac rev.B NTU-RG-5421G-WZ rev. B

, . 11.

11 – NTU-RG-5421G-Wac rev.B, NTU-RG-5421G-WZ rev.B

1			
2			
3			
4		SIP- //	
		SIP-	
		/	
5	 2.4 – Wi-Fi 2.4	Wi-Fi	
		Wi-Fi	

			Wi-Fi
6	5 – Wi-Fi 5		Wi-Fi
			Wi-Fi
			Wi-Fi
			Wi-Fi
7	1..4 – Ethernet-		10/100 /
			1000 /

LAN

, LAN , 12.


12 – LAN

1000BASE-T,		
1000BASE-T,		
10/100BASE-TX,		
10/100BASE-TX,		

/

:

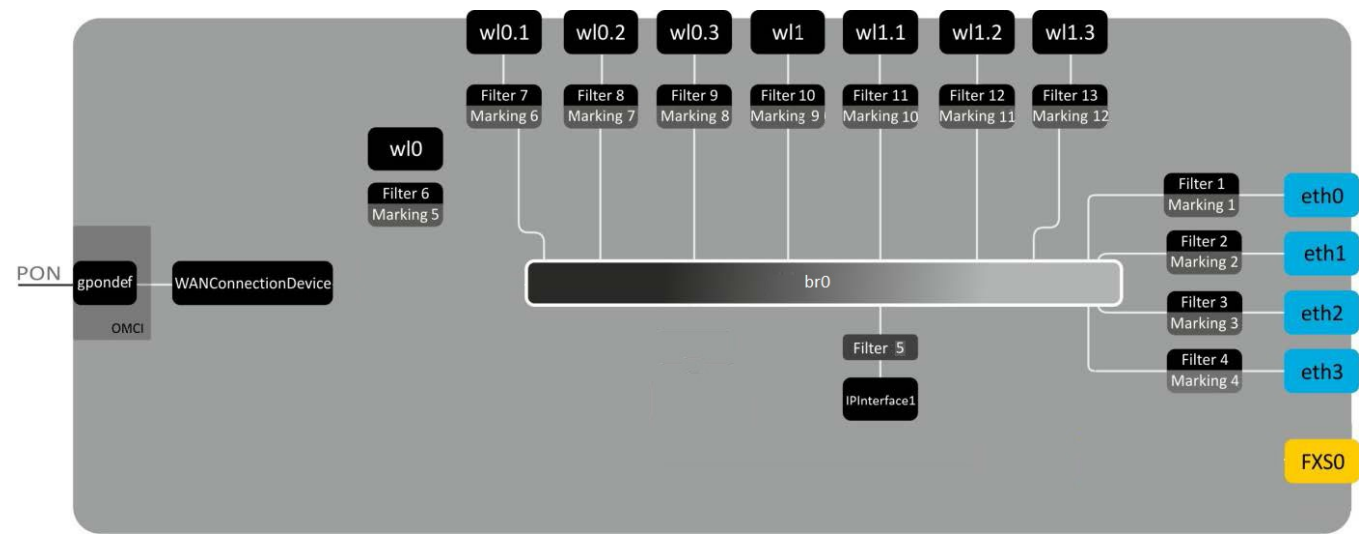
- «Reset» NTU-RG-5402G-W, NTU-RG-5421G-Wac NTU-RG-5421G-WZ;
- «F» NTU-RG-5421G-Wac, NTU-RG-5420G-Wac, NTU-RG-5420G-WZ, NTU-RG-5440G-Wac, NTU-RG-5440G-WZ, NTU-RG-5421G-Wac rev. B, NTU-RG-5421G-WZ rev.B, NTU-RG-5440G-Wac rev.B NTU-RG-5440G-WZ rev.B.

«Reset/F» 7-10 ,  . IP-: LAN– 192.168.1.1, – 255.255.255.0. LAN 1, LAN 2, LAN 3 LAN 4.

NTU-RG :

- NTU-RG;
- 220/12;
- ;
- .

NTU-RG



:

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

() (. 14):

- Br0;
- Voice ( IP );
- eth0...3;
- FXS0;
- w10, w10.1, w10.2, w10.3, w11, w11.1, w11.2, w11.3;
- IPInterface1.

**br0** LAN .**eth0..3** Ethernet- RJ-45 , STB . **br0**.**FXS0** RJ-11 . Voice. Voice web-, ACS TR-069. VoIP ( SIP-, , ..).**w10, w10.1...w11.3** Wi-Fi-. w10 2.4 , w11 – 5 .**Filter Marking** ( **br0**). , **Filter** , **Marking** – .**IPInterface1** , IP- , DHCP, .

web-.

, web-:

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



IP- : 192.168.1.1, : 255.255.255.0

:

3. «User Name» «Password».



user, user.

4. «Login». web- .

. Admin, «Password», «Old Password» , «New Password» « Confirm new password » . «Apply Changes».



### Password

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

Login User:
user

Old Password:

New Password:

Confirmed Password:

web-

NTU-RG-5421G-Wac

3

user

Logout

Status

Device

IPv6

PON

LAN

VoIP

LAN

Wireless

Services

Advance

Diagnostics

Admin

Statistics

Device Status

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

System

Board Type	NTU-RG-5421G-Wac
Serial Number	GP3A000103
PON Serial	454C545873000148
Base WAN MAC	E0D9E385A4E8
Hardware Version	1v1
Uptime	1 min
Date/Time	Mon Jul 6 13:32:40 2020
Image 1 Firmware Version (Active)	2.2.0-20200625
Image 2 Firmware Version	2.2.0-20200625
CPU Usage	10%
Memory Usage	23%
Name Servers	92.126.123.130, 213.228.68.130
IPv4 Default Gateway	ppp0
IPv6 Default Gateway	

LAN Configuration

IP Address	192.168.1.1
Subnet Mask	255.255.255.0
DHCP Server	Enabled
MAC Address	e0d9e385a4e8

WAN Configuration

Interface	VLAN ID	MAC	Connection Type	Protocol	IP Address	Subnet Mask	Gateway	NAPT	Firewall	IGMP Proxy	802.1p	Status
ppp0_nas0_0	10	e0:d9:e3:85:a4:e8	INTERNET	PPPoE	92.127.161.201	255.255.255.255	213.228.116.9	Enabled	Enabled	Disabled		up 00:00:03 / 00:00:03 <div>Disconnect</div>
nas0_1	13	e0:d9:e3:85:a4:e9	VOICE	IPvE	10.12.147.234	255.255.255.0	10.12.147.1	Disabled	Disabled	Disabled		up
nas0_2	30	e0:d9:e3:85:a4:ea	Other	IPvE	192.168.21.21	255.255.255.0	192.168.21.1	Disabled	Disabled	Enabled		up

Refresh

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**

Board Type	NTU-RG-5421G-Wac
Serial Number	GP3A000103
PON Serial	454C545873000148
Base WAN MAC	E0D9E385A4E8
Hardware Version	1v1
Uptime	1 min
Date/Time	Mon Jul 6 13:32:40 2020
Image 1 Firmware Version (Active)	2.1.0.00000
Image 2 Firmware Version	2.1.0.00000
CPU Usage	10%
Memory Usage	23%
Name Servers	92.126.123.130, 213.228.68.130
IPv4 Default Gateway	ppp0
IPv6 Default Gateway	

**LAN Configuration**

IP Address	192.168.1.1
Subnet Mask	255.255.255.0
DHCP Server	Enabled
MAC Address	e0d9e385a4e8

**WANConfiguration**

Interface	VLAN ID	MAC	Connection Type	Protocol	IP Address	Subnet Mask	Gateway	NAPT	Firewall	IGMP Proxy	802.1p	Status
ppp0_nas0_0	10	e0:d9:e3:85:a4:e8	INTERNET	PPPoE	92.127.161.201	255.255.255.255	213.228.116.9	Enabled	Enabled	Disabled		up 00:00:03 / 00:00:03 <button>Disconnect</button>
nas0_1	13	e0:d9:e3:85:a4:e9	VOICE	IPoE	10.12.147.234	255.255.255.0	10.12.147.1	Disabled	Disabled	Disabled		up
nas0_2	30	e0:d9:e3:85:a4:ea	Other	IPoE	192.168.21.21	255.255.255.0	192.168.21.1	Disabled	Disabled	Enabled		up

Refresh

### System

- Board Type – ;
- Serial Number – ;
- PON Serial – PON;
- Base WAN MAC – WAN MAC- ;
- Hardware Version – ;
- Uptime – ;
- Date/Time – ;
- Image 1 Firmware Version (Active) – ;
- Image 2 Firmware Version – ;
- CPU Usage – CPU;
- Memory Usage – ;
- Name Servers – DNS;
- IPv4 Default Gateway – IPv4;
- IPv6 Default Gateway – IPv6.

### LAN Configuration

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

### WAN Configuration

- Interface – ;
- VLAN ID – VLAN ID ;
- MAC – MAC- ;
- Connection Type – ;
- Protocol – ;
- IP Address – IP- ;
- Gateway –;

- *Status* – .

«Refresh».

## «IPv6 Status». IPv6

IPv6.

*Status IPv6*

**IPv6 Status**  
 This page shows the current system status of IPv6.

Interface Configuration							
Interface	VLAN ID	Connection Type	Protocol	IP Address	Status	Prefix Delegation	LAN IPv6 Address
Refresh							

### WAN Configuration

- *Interface* – ;
- *VLAN ID* – VLAN ID ;
- *Connection Type* – ;
- *Protocol* – ;
- *IP Address* – IP- ;
- *Status* – ;
- *Prefix delegation* – IPv6-;
- *LAN IPv6 address* – IPv6-.

«Refresh».

## «PON».

PON-.

*Status PON*

**PON Status**  
 This page shows the current system status of PON.

PON Status	
Vendor Name	Ligent Photonics
Part Number	LTB3468-BC1
Temperature	53.734375 C
Voltage	3.146000 V
Tx Power	2.139976 dBm
Rx Power	-9.951086 dBm
Bias Current	17.084000 mA

GPON Status	
ONU State	O5
ONU ID	45
LOID Status	Initial Status

Refresh

*PON Status*

- Vendor Name – ;
- Part Number – ;
- Temperature – ;
- Voltage – ;
- Tx Power – ;
- Rx Power – ;
- Bias Current – ;
- Video Power – <sup>1</sup>.

**GPON Status**

- ONU State – OLT (O1 -> O2 -> O3 -> O4 -> O5 );
- ONU ID – OLT;
- LOID Status – OLT (Initial -> Standby -> Serial Number -> Ranging -> Operation).

«Refresh».

 <sup>1</sup> NTU-RG-5421GC-Wac.

**«LAN». LAN-**

«LAN» LAN- Wi-Fi .

Status LAN

**LAN Port Status**  
This page shows the current LAN Port status.

LAN1	Up; 1000M, Full Mode
LAN2	Down
LAN3	Down
LAN4	Down
wlan0	Up
wlan1	Up

Refresh

LAN Port Status :

- ;
- (Up/Down);
- (10/100/1000 /).

**«VoIP». VoIP**

«VoIP» VoIP.

Status VoIP

**VoIP Register Status**  
This page shows the register status of port

**Register Status**

Port	Number	Status
1	2409481	Registered

Refresh

- Port – ;
- Number – ;
- Status – -.

**«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:	LANInterface
IP Address:	192.168.1.1
Subnet Mask:	255.255.255.0
IPv6 Address:	fe80::1
IPv6 DNS Mode:	HGWProxy
Prefix Mode:	WANDelegated
WAN Interface:	
Firewall:	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled
IGMP Snooping:	<input type="radio"/> Disabled <input checked="" type="radio"/> Enabled
Ethernet to Wireless Blocking:	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled
Wireless to Wireless Blocking:	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled

Apply Changes

- Interface name – ;
- IP Address – IP- ;
- Subnet Mask – ;
- IPv6 Address – IPv6-;
- IPv6 DNS Mode – :
  - WANConnection – WAN- DNS-;
  - Static – DNS- (IPv6 DNS1, IPv6 DNS2).
- Prefix Mode – Prefix ( WAN- ):
  - WANDelegated – , ;
  - Static – Prefix.
- IPv6 DNS – DNS- (IPv6 DNS1, IPv6 DNS2);
- WAN Interface – WAN-, WANDelegated.
- Firewall (Enabled/Disabled) –/ LAN;
- IGMP Snooping (Enabled/Disabled) –/ IGMP Snooping;
- Ethernet to Wireless Blocking (Enabled/Disabled) –/ ;
- Wireless to Wireless Blocking (Enabled/Disabled) –/ 2.4 5 .

«Apply Changes».

«Wireless».

2.4 (wlan0) 5 (wlan1).



- Wi-Fi «WLAN Advanced Settings», «Client Isolation»;
- «WLAN Basic Settings», «Multiple AP», «AP Isolation»;
- «WLAN Basic Settings», «Multiple AP», «Client Isolation»;
- LAN-WLAN, WLAN 2.4-WLAN 5 «LAN Interface Settings».

«Status». WLAN

WLAN.

Wireless wlan0 (2.4GHz)/wlan1 (5GHz) Status

<b>WLAN Status</b> This page shows the WLAN current status.		<b>WLAN Status</b> This page shows the WLAN current status.	
<b>WLAN Configuration</b>		<b>WLAN Configuration</b>	
Mode	AP	Mode	AP
Band	2.4 GHz (B+G+N)	Band	5 GHz (A+N+AC)
SSID	ELTX-2.4GHz_WiFi_A4E8	SSID	ELTX-5GHz_WiFi_A4E8
Channel Number	13	Channel Number	36
Channel Width	40 MHz	Channel Width	80 MHz
Encryption	WPA2	Encryption	WPA2
BSSID	e0:d9:e3:85:a4:e8	BSSID	e0:d9:e3:85:a4:e9
Associated Clients	0	Associated Clients	0

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

«Basic settings».

WLAN, .

*Wireless wlan0 (2.4GHz)/wlan1 (5GHz) 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.

☐ Disable WLAN Interface

Band:

2.4 GHz (B+G+N) ▾

Mode:

AP ▾

Multiple AP

SSID:

ELTX-2.4GHz\_WiFi\_87DF

Hide SSID:

☐ Enabled
☒ Disabled

Channel Width:

40MHz ▾

Current Channel Width:

40MHz

Control Sideband:

Upper ▾

Allowed Channels:

1 2 3 4 5 6 7 8 9 10 11 12 13

☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Channel Number:

Auto ▾

Radio Power (%):

100% ▾

Limit Associated Client Number:

Disabled ▾

Associated Clients:

Show Active WLAN Clients

☐ Enable Universal Repeater Mode (Acting as AP and client simultaneously)

Regdomain:

RUSSIAN(12) ▾

Apply Changes

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) ▾

Mode:

AP ▾

Multiple AP

SSID:

ELTX-5GHz\_WiFi\_87DF

Hide SSID:

☐ Enabled
☒ Disabled

Channel Width:

80MHz ▾

Current Channel Width:

80MHz

Control Sideband:

Auto ▾

Allowed Channels:

36 40 44 48 52 56 60 64 132 136 140 144 149 153 157 161 165

☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Channel Number:

Auto(DFS) ▾

Radio Power (%):

100% ▾

Limit Associated Client Number:

Disabled ▾

Associated Clients:

Show Active WLAN Clients

☐ Enable Universal Repeater Mode (Acting as AP and client simultaneously)

Regdomain:

RUSSIAN(12) ▾

Apply Changes

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



(SSID) ELTX-2.4GHz\_WiFi-aaaa/ELTX-5GHz\_WiFi-aaaa, – 4 WAN MAC. WAN MAC . (2.4/5 ).

- *Hide SSID* – (SSID). ( SSID). , SSID, ;
- *Channel Width* – 20, 40 ( 2.4 5 ) 80 ( 5 );
  - *Auto* – .
- *urrent Channel Width* – ;
- *Control Sideband* – , (Lower Upper) 40 ;
- *Allowed Channels* – Wi-Fi . – ;
- *Channel Number* – :
  - *Auto* – .
- *Radio Power (%)* – ;

- *Limit Associated Client Number (Enable/Disabled)* – / ;
- *Associated Clients* – ;
- *Enable Universal Repeater Mode (Acting as AP and client simultaneously)* – ;
- *Regdomain* – .

«Apply Changes».

 WPA2-PSK , . 8 63 ASCII. .

«Show Active WLAN Client» WLAN.

Wireless wlan0 (2.4GHz)/wlan1 (5GHz) 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)
fc:e9:98:71:e5:36	40	183	263	yes	298
<div>RefreshClose</div>					

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

«Refresh», «Close».

«Advanced settings».

.

Wireless wlan0 (2.4GHz)/wlan1 (5GHz) 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:**

(256-2346)

**RTS Threshold:**

(0-2347)

**Beacon Interval:**

(20-1024 ms)

**Data Rate:**

**Preamble Type:**
☒ Long Preamble
 ☐ Short Preamble

**Client Isolation:**
☐ Enabled
 ☒ Disabled

**Protection:**
☐ Enabled
 ☒ Disabled

**Aggregation:**
☒ Enabled
 ☐ Disabled

**Short GI:**
☒ Enabled
 ☐ Disabled

**Multicast to Unicast:**
☒ Enabled
 ☐ Disabled

**Band Steering:**
☐ Enabled
 ☒ Disabled

**WMM Support:**
☒ Enabled
 ☐ Disabled

**802.11k Support:**
☐ Enabled
 ☒ Disabled

**802.11v Support:**
☐ Enabled
 ☒ Disabled

**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:**

(256-2346)

**RTS Threshold:**

(0-2347)

**Beacon Interval:**

(20-1024 ms)

**Data Rate:**

**Preamble Type:**
☒ Long Preamble
 ☐ Short Preamble

**Client Isolation:**
☐ Enabled
 ☒ Disabled

**Protection:**
☐ Enabled
 ☒ Disabled

**Aggregation:**
☒ Enabled
 ☐ Disabled

**Short GI:**
☒ Enabled
 ☐ Disabled

**TX beamforming:**
☒ Enabled
 ☐ Disabled

**MU MIMO:**
☐ Enabled
 ☒ Disabled

**Multicast to Unicast:**
☒ Enabled
 ☐ Disabled

**Band Steering:**
☐ Enabled
 ☒ Disabled

**WMM Support:**
☒ Enabled
 ☐ Disabled

**802.11k Support:**
☐ Enabled
 ☒ Disabled

**802.11v Support:**
☐ Enabled
 ☒ Disabled

- *Fragment Threshold* – ;
- *RTS Threshold* – , RTS, RTS/CTS ( / ) ;
- *Beacon Interval* – , , ;
- *Data rate* – ;
- *Preamble Type* – : (Long Preamble) / (Short Preamble);
- *Client Isolation* (Enable/Disabled) – / ;
- *Protection* (Enable/Disabled) – / 802.11n protection;
- *Aggregation* (Enable/Disabled) – / ;
- *Short GI* (Enable/Disabled) – / ;
- *TX beamforming* ( Enable/Disabled) – / ;
- *MU MIMO* – / Multi-user MIMO;
- *Multicast to Unicast* (Enable/Disabled) – / multicast unicast;
- *Band Steering* – ( SSID 2.4/5 GHz);
- *WMM Support* (Enable/Disabled) – / Wi-Fi Multimedia;
- *802.11k Support* – / Radio Resource managment ;
- *802.11v Support* – / Wireless Network Managment .

«Apply Changes».

## «Security».

, WPS.

### Wireless wlan0 (2.4GHz)/wlan1 (5GHz) 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\_A4E8

**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:**

**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-5GHz\_WiFi\_A4E8

**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:**

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

Wireless wlan0 (2.4GHz)/wlan1 (5GHz) 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

Delete Selected

Delete All

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

Delete Selected

Delete All

- Mode- MAC-:
  - Disabled- ;
  - Allowed Listed- ( );
  - Deny Listed- ( ).
- MAC Address- MAC- . «Add», «Reset».
- «Delete Selected», «Delete All».

«WiFi radar».

IBSS.

Wireless wlan0 (2.4GHz)/wlan1 (5GHz) WiFi radar

WiFi Radar

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	RSSI
ELTX-2.4GHz_WiFi_47A3	e8:28:c1:e4:47:a3	13 (B+G+N)	AP	WPA2-PSK	-15 dBm
ELTX-2.4GHz_WiFi_FDF8	e0:d9:e3:82:fd:f8	3 (B+G+N)	AP	WPA2-PSK	-48 dBm
ELTX-2.4GHz_WiFi_8248	e0:d9:e3:56:82:4a	4 (B+G+N)	AP	WPA2-PSK	-48 dBm
ELTX-2.4GHz_WiFi_4CD0	e8:28:c1:d2:4c:d0	13 (B+G+N)	AP	WPA2-PSK	-48 dBm
Eltex-Local	e0:d9:e3:4e:35:12	6 (B+G+N)	AP	WPA-1X/WPA2-1X	-56 dBm
Eltex-Guest	e0:d9:e3:4e:35:11	6 (B+G+N)	AP	no	-56 dBm
BRAS-Guest	e0:d9:e3:4e:35:10	6 (B+G+N)	AP	no	-56 dBm
st444ef0	a8:f9:4b:11:51:89	8 (B+G+N)	AP	WPA-PSK/WPA2-PSK	-60 dBm
Eltex-Local	e0:d9:e3:4e:00:11	11 (B+G+N)	AP	WPA-1X/WPA2-1X	-64 dBm
BRAS-Guest	e0:d9:e3:4e:00:13	11 (B+G+N)	AP	no	-64 dBm
Eltex-Guest	e0:d9:e3:4e:00:10	11 (B+G+N)	AP	no	-68 dBm
ShowRoom_2G	e2:d9:e3:9f:80:50	4 (B+G+N)	AP	WPA2-PSK	-72 dBm
Eltex-Local	e0:d9:e3:91:20:31	1 (B+G+N)	AP	WPA-1X/WPA2-1X	-72 dBm
Eltex-Guest	e0:d9:e3:8f:be:d1	11 (B+G+N)	AP	no	-72 dBm
Eltex-Guest	e0:d9:e3:91:20:30	1 (B+G+N)	AP	no	-72 dBm
BRAS-Guest	e0:d9:e3:91:20:32	1 (B+G+N)	AP	no	-76 dBm
BrcmAP1	e8:28:c1:df:49:e3	1 (B+G+N)	AP	no	-80 dBm

Refresh

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

«Refresh».

«EasyMesh Settings». EasyMesh

EasyMesh . Wi-Fi EasyMesh , IoT-.

Wireless EasyMesh EasyMesh Settings

EasyMesh Settings

This page is used to configure the parameters for EasyMesh feature of your Access Point.

Device Name:

EasyMesh\_Device

Role:

Controller

Disabled

Apply Changes

- *Device name* – ;
- *Role* – : .

«Apply Changes».

«Topology». EasyMesh

mesh- «Controller» : , MAC- , IP- .

Wireless EasyMesh Topology

### EasyMesh Network Topology

This page displays the topology of EasyMesh network

«Refresh».

## «WPS». Wi-Fi

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

*Wireless wlan0 (2.4GHz) / wlan1 (5GHz) 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.

Push Button Configuration:

☐ Disable WPS

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

«Apply Changes».

## «Services».

### «DHCP Setting». DHCP

DHCP- DHCP-.

*Services DHCP (Server)*

### DHCP Settings

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

**DHCP Mode:** ☐ NONE ☐ DHCP Relay ☒ DHCP Server

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

**IP Pool Range:**  -

**Subnet Mask:**

**Max Lease Time:**  seconds (-1 indicates an infinite lease)

**DomainName:**

**Gateway Address:**

**DNS option:** ☒ Use DNS Relay ☐ Set Manually

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

Services DHCP (Relay)

DHCP Settings

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

DHCP Mode:

☐ NONE
 ☒ DHCP Relay
 ☐ DHCP Server

This page is used to configure the DHCP Server IP Address for DHCP Relay.

DHCP Server IP Address:

172.19.31.4

Apply Changes

- *DHCP Server IP Address* – IP- DHCP.

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

«Dynamic DNS».

DNS ( ) DNS- ( ) . ( , NTU-RG) IP-. IP-, IPCP PPP- DHCP.

DNS , IP- DHCP, DNS-.

Services DNS 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:

☒

DDNS Provider:

DynDNS.org ▾

Hostname:

Interface

▾

DynDns/No-IP Settings:

UserName:

Password:

TZO Settings:

Add

Modify

Remove

Dynamic DNS Table:

Select	State	Hostname	UserName	Service	Status
--------	-------	----------	----------	---------	--------

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

DynDns/No-IP Settings:

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

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

«Firewall».

«ALG On-Off Configuration».    ALG

ALG.

 Application-level gateway (ALG) — NAT-, - , , NAT .

Services Firewall ALG

ALG On-Off Configuration

This page is used to enable/disable ALG services.

ALG Type:

ftp

☒ Enable ☐ Disable

tftp

☒ Enable ☐ Disable

h323

☒ Enable ☐ Disable

rtsp/rtcp

☒ Enable ☐ Disable

l2tp

☒ Enable ☐ Disable

ipsec

☒ Enable ☐ Disable

sip

☒ Enable ☐ Disable

pptp

☒ Enable ☐ Disable

Apply Changes

«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:

Outgoing

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	WAN Interface	Rule Action
--------	-----------	----------	-------------------	-------------	------------------------	------------------	---------------	-------------

Delete Selected

Delete All

- Incoming Default Action Deny/Allow— ;
- Outgoing Default Action Deny/Allow— .

«Apply Changes».

«Add»:

- *Protocol* – ;
- *Rule Action Deny/Allow* – (/);
- *Source IP Address* – IP- ;
- *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

Incoming Default Action

☐ Deny ☒ Allow

Apply Changes

Direction:

Outgoing

Source MAC Address:

Destination MAC Address:

Rule Action

☒ Deny ☐ Allow

Add

Current Filter Table:

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

Delete Selected

Delete All

•

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

«Apply Changes».

«Add»:

- *Source MAC Address* – MAC-, /;
- *Destination MAC Address* – MAC-, /.

«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

Enable ☒ Application: Active Worlds

Comment	Local IP	Local Port from	Local Port to	Protocol	Remote Port from	Remote Port to	Interface	NAT loopback
				Both ▼			Any ▼	<input type="checkbox"/>
				Both ▼			Any ▼	<input type="checkbox"/>
				Both ▼			Any ▼	<input type="checkbox"/>
				Both ▼			Any ▼	<input type="checkbox"/>
				Both ▼			Any ▼	<input type="checkbox"/>
				Both ▼			Any ▼	<input type="checkbox"/>
				Both ▼			Any ▼	<input type="checkbox"/>
				Both ▼			Any ▼	<input type="checkbox"/>
				Both ▼			Any ▼	<input type="checkbox"/>
				Both ▼			Any ▼	<input type="checkbox"/>
				Both ▼			Any ▼	<input type="checkbox"/>
				Both ▼			Any ▼	<input type="checkbox"/>
				Both ▼			Any ▼	<input type="checkbox"/>
				Both ▼			Any ▼	<input type="checkbox"/>

**Current Port Forwarding Table:**

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

«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 – ;
- NAT-loopback – NAT «» . , , .

«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».

URLBlocking

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

Delete Selected

Delete All

Keyword:

Add

Keyword Filtering Table:

Select

Filtered Keyword

Delete Selected

Delete All

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

«Apply Changes».

«Domain Blocking».

Services Firewall Domain blocking

Domain BlockingConfiguration

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 BlockingConfiguration:

Select

Domain

Delete Selected

Delete All

Enable, Domain «Add»

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

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

«Port Triggering».

1.2.0 .

Services Firewall Port Triggering

Port Triggering Configuration					
Name	IP Address	TCP Port to Open	UDP Port to Open	Enable	
<input type="text"/> << Select Game ▼	0.0.0.0	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	
Add   Modify   Reset					
Game Rules List					
Name	IP Address	TCP Port to Open	UDP Port to Open	Enable	Action

## «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:**

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

«Apply Changes».

## «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:** ☐ Disable ☒ Enable



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.

RIP:

☒ Disable

☐ Enable

Apply Changes

Interface:

br0 ▾

Receive Mode:

NONE ▾

Send Mode:

NONE ▾

Add

RIP Config Table:

Select	Interface	Receive Mode	Send Mode
--------	-----------	--------------	-----------

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».

«Samba». Samba

Samba.

Services Samba Samba

Samba Configuration

This page let user to config Samba.

Samba :

☐ Disable

☒ Enable

NetBIOS Name :

Realtek

Server String :

Realtek Samba Server

Apply Changes

- *Samba Enable/Disable* – / Samba;
- *Server String* – .

«Apply Changes».

Accounts Samba.

Services Samba Accounts

Samba Configuration

This page let user to config Samba.

Username

New Password

Confirmed Password

Add/Edit

Delete

Reset

Username

Modify

- *Username* – ;
- *New password* – ;
- *Confirmed Password* – .

Shares Samba.

Samba Configuration

This page let user to config Samba.

Share name

Path

Read only

☒

Write list

Comment

Add/Edit

Delete

Reset

Share name	Path	Read only	Write list	Comment	Modify
------------	------	-----------	------------	---------	--------

- *Share name* – ;
- *Path* – ;
- *Read only* – ;
- *Write list* – , ;
- *Comment* – .

«VPN».

«L2TP». L2TP VPN

L2TP VPN. L2TP Internet .

VPN L2TP

L2TP VPN Configuration

This page is used to configure the parameters for L2TP mode VPN.

L2TP VPN:

☐ Disable

☒ Enable

Server:

Tunnel Authentication:

☐

Tunnel Authentication Secret:

PPP Authentication:

Auto

PPP Encryption:

NONE

UserName:

Password:

PPP Connection Type:

Persistent

Idle Time (min):

MTU:

1458

Default Gateway:

☐

Apply Changes

L2TP Table:

Select	Interface	Server	Tunnel Authentication	PPP Authentication	MTU	Default Gateway	Action
--------	-----------	--------	-----------------------	--------------------	-----	-----------------	--------

Delete Selected

- *L2TP VPN* – , , L2TP. «*Enable*» :
  - *Server* – L2TP ( IP- IPv4);
  - *Tunnel Authentication* – ;
  - *Tunnel Authentication Secret* – ;
  - *PPP Authentication* – , L2TP-;
  - *PPP Encryption* – , ( CHAPMSv2);
  - *UserName* – L2TP-;
  - *Password* – L2TP-;
  - *PPP Connection Type* – ;
  - *Idle Time (min)* – , ( dial-on-demand));
  - *MTU* – , ( – 1462);
  - *Default Gateway* – , L2TP- .

«Apply Changes».

«L2TP Table» L2TP VPN. , «Delete Selected».

«IPsec». IPsec

VPN IPsec.

**IPsec VPN Configuration**

This page is used to configure the parameters for IPsec mode VPN.

---

Negotiation Type ☒ Automatic ☐ Manual

**Auto Configure:**

Mode

---

**Remote:**

Tunnel Addr.

---

**Local:**

Tunnel Addr.

---

**Security Option:**

Encapsulation Type

IKE Auth Method

Pre shared key

Advanced Option ☐

**IPsec Information List:**

Enable	State	Type	RemoteGW	RemoteIP	Interface	LocalIP	EncapMode	filterProtocol	filterPort
<input type="button" value="Delete Selected"/>	<input type="button" value="Enable"/>	<input type="button" value="Disable"/>							

**Certificate Management:**

cert.pem  Файл не выбран

privKey.pem  Файл не выбран

- *Negotiation type (Automatic/Manual)* – ;
- *Mode* – ;
- *Remote:*
  - *Tunnel Addr.* – IP- ;
- *Local:*
  - *Tunnel Addr.* – IP ;
- *Security Option:*
  - *Encapsulation Type* – ;
  - *IKE Auth Method* – IKE;
  - *Pre shared key* – ;
  - *Advanced Option* – I .

«Add/Save».

«IPsec Information List» IPsec VPN. , «Delete Selected». «Enable»/«Disable» / IPsec-.

- *cert.pem* – ;
- *privKey* – .

«Advance».

## «ARP Table». ARP

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

*Advance ARP table*

User List

This table shows a list of learned MAC addresses.

IP Address	MAC Address
192.168.1.15	ec-08-6b-05-c5-33

Refresh

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

«Refresh».

«Bridging». Bridging

. MAC-, / 802.1d Spanning Tree.

*Advance Bridging*

BridgingConfiguration

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:

7200

(seconds)

802.1d Spanning Tree:

Disabled

Enabled

Apply Changes

Show MACs

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

«Apply Changes».

, «Show MACs».

*Advance Bridging Show MACs*

Bridge Forwarding Database

This table shows a list of learned MAC addresses.

Port	MAC Address	Is Local?	Ageing Timer
2	ec-08-6b-05-c5-33	no	0.01
7	e0-d9-e3-9d-f7-b6	yes	---

Refresh

Close

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

«Refresh», «Close».

«Routing».

.

*Advance Routing*

RoutingConfiguration

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 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

Refresh

Close

«Refresh», «Close».

«Link Mode». LAN-

LAN-. LAN1/2/3/4 – , 10M Half Mode, 10M Full Mode, 100M Half Mode, 100M Full Mode Auto Mode ( ).

Advance Link mode

Ethernet Link Speed/Duplex Mode

Set the Ethernet link speed/duplex mode.

LAN1:

Auto Mode ▾

LAN2:

Auto Mode ▾

LAN3:

Auto Mode ▾

LAN4:

Auto Mode ▾

Apply Changes

«Apply Changes».

«Print Server».

..

Advance Print Server



**Printer URL(s)**

This page is used to show printer URL(s).

---

Refresh

«Refresh».

## «IPv6». IPv6

/ IPv6-, «Enable»/«Disable».

Advance IPv6

**IPv6Configuration**

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**

This page is used to setup the RADVD's configuration of your Device.

---

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 setting». DHCPv6-

DHCPv6 . (DHCPServer(Auto)) .

Advance IPv6 DHCPv6

DHCPv6 Settings

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

DHCPv6 Mode:

☐ Disable

☒ Enable;

Auto Config by Prefix Delegation for DHCPv6 Server.

Show Client

Apply Changes

NTP Server IP:

Add

NTP Server Table

Select	NTP Server
<div><div>Delete Selected</div><div>Delete All</div></div>	

Hostname:

Add

MAC Address:

IP Address:

MAC Binding Table

Select	Host Name	MAC Address	IP Address
<div><div>Delete Selected</div><div>Delete All</div></div>			

- DHCPv6 Mode – / DHCPv6;
- NTP Server IP – IP- NTP- ;
- Hostname – ;
- MAC Address – MAC- IP-;
- IP Address – IP- MAC-.

«Apply Changes». «Show Client» IP- DHCPv6-.

Advance IPv6 DHCPv6 Show Client

Active DHCPv6 Clients

This table shows the assigned IP address, DUID and time expired for each DHCP leased client.

IP Address	DUID	Expired Time (sec)
NONE	----	----

Refresh

Close

«MLD proxy». MLD proxy

/ MLD-proxy, «Enable»/«Disable».

Advance IPv6 MLD proxy

MLD ProxyConfiguration

This page be used to configure MLD Proxy.

MLD Proxy: ☒ Disable ☐ Enable

WAN Interface:

Apply Changes

«Apply Changes».

«MLD snooping». MLD snooping

/ MLD-snooping, «Enable» / «Disable».

Advance IPv6 MLD snooping

MLD SnoopingConfiguration

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 RoutingConfiguration

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

Static IPv6 Route Table:

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 , .

Advance IPv6 IPv6 routing Show Routes

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::e2d9:e3ff:fe9d:f7b2/128	::	U	0	1	0	lo
fe80::e2d9:e3ff:fe9d:f7b2/128	::	U	0	1	0	lo
fe80::e2d9:e3ff:fe9d:f7b2/128	::	U	0	1	0	lo
fe80::e2d9:e3ff:fe9d:f7b2/128	::	U	0	1	0	lo
fe80::e2d9:e3ff:fe9d:f7b2/128	::	U	0	1	0	lo
fe80::e2d9:e3ff:fe9d:f7b6/128	::	U	0	1	0	lo
ff02::1:2/128	::	UC	0	0	7	br0
ff00::/8	::	U	256	1	0	br0
ff00::/8	::	U	256	0	0	eth0
ff00::/8	::	U	256	0	0	nas0
ff00::/8	::	U	256	0	0	wlan0
ff00::/8	::	U	256	0	0	wlan1
ff00::/8	::	U	256	0	0	eth0.3

Refresh

Close

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

«Refresh», «Close».

«IPv6 IP/Port filtering».

, .

Advance 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: 

Outgoing

Protocol: 

TCP

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	Rule Action
<div><div>Delete Selected</div><div>Delete All</div></div>							

- Outgoing Default Action – :
  - Deny – ;

- *Allow* – ;
- *Incoming Default Action* – :
- *Deny* – ;
- *Allow* – ;
- *Direction* – :
  - *Outgoing* – ;
  - *Incoming* – ;
- *Protocol* – ;
- *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».

## «Diagnostics»

### «Ping».

Ping.

*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:**

IP- «*Host Address*» «Go».

### «Traceroute»

UDP- / .

*Diagnostics Traceroute*

**Traceroute Diagnostics**

This page is used to diagnose the network by sending UDP-packets and receiving a message about port reach/unreachability.

---

**Host Address:**

**Max number of hops:**

IP- «*Host Address*», «*Max number of hops*» «Go».

## «Admin»

### «Settings».

*Admin Settings Backup Settings*

### Backup Settings

This page allows you to backup current settings to a file

Backup Settings to File

(Backup Settings) «Backup Settings to File».

*Admin Settings Update Settings*

### Update Settings

This page allows you to restore settings from file

Restore Settings from File: Выберите файл Файл не выбран

Restore

, (Update Settings) «Restore».

*Admin Settings Restore Default*

### Restore Default

This page allows you to restore factory default settings

Reset Settings to Default

(Restore Default) «Reset Settings to Default».

## «GPON Setting». GPON

OLT.

*Admin GPON Setting*

### GPON Settings

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

PLOAM Password:

Apply Changes

- PLOAM Password— OLT.

«Apply Changes».



..

## «Commit/Reboot».

«Commit and Reboot» . .

*Admin Commit/Reboot*

**Commit and Reboot**  
Click the button below to reboot the router  

---

Commit and Reboot

«Logout».

«Logout».

Admin Logout

**Logout**  
This page is used to logout from the Device.  

---

Logout

«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:

user ▼

Old Password:

New Password:

Confirmed Password:

Apply Changes

Reset

Old Password, New Password Confirmed Password.

«Apply hanges», «Reset».

«Firmware upgrade».

, « », «Upgrade». «Reset».

Admin Firmware upgrade

**Firmware Upgrade**  
  
**Step 1:** Obtain an updated software image file from your ISP.  
**Step 2:** Click the "Choose File" button to locate the image file.  
**Step 3:** Click the "Upgrade" button once to upload the new image file.  
  
NOTE: The update process takes about 2 minutes to complete, and your Broadband Router will reboot.  

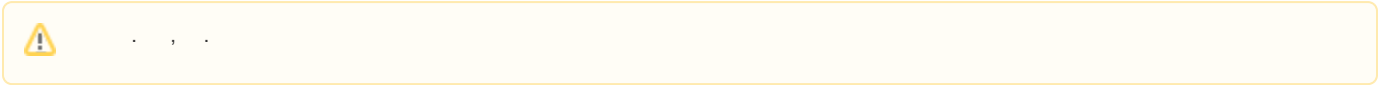
---

Browse...

No file selected.  

Upgrade

Reset



«Remote Access».

HTTP / Telnet / ICMP.

Admin Remote Access

**Remote Access Configuration**  
This page is used to configure the Remote Access rules.  

---

Enable:

☒

Service:

HTTP ▾

Interface:

Default ▾

IP Address:

0.0.0.0

Subnet Mask:

0.0.0.0

Port:

Add

RA Table:

Select	State	Interface	IP Address	Service	Port
<input type="checkbox"/>	Enable	br0	0.0.0.0/0	HTTP	80
<input type="checkbox"/>	Enable	br0	0.0.0.0/0	ICMP	--

Delete Selected

Toggle selected

- Enable – ;
- Service – ;
- Interface – , ;
- IP Address – IP- ;
- Subnet Mask – ;
- Port – .

«Add». «RA Table». / «Toggle selected». Select «Delete Selected».

«Time zone».

, - .

Admin Time zone



Time ZoneConfiguration

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

Current Time :

Year1970Mon1Day1

Hour0Min46Sec43

Time Zone Select :

Europe/Moscow (UTC+03:00)

☐ Enable Daylight Saving Time

☐ Enable SNTP Client Update

WAN Interface:

Any

SNTP Server :

☒ clock.fmt.he.net

☐ 220.130.158.52 (Manual Setting)

Apply Changes

Refresh

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

«Apply Changes», «Refresh».

«Statistics».

«Interface».

/ :

Statistics Interface

Interface Statistcs

This page shows the packet statistics for transmission and reception regarding to network interface.

Interface	Rx pkt	Rx err	Rx drop	Tx pkt	Tx err	Tx drop
LAN 1	1893	0	2	3174	0	0
LAN 2	0	0	0	0	0	0
LAN 3	0	0	0	0	0	0
LAN 4	0	0	0	0	0	0
Wi-Fi 2.4GHz	682	0	0	0	0	0
Wi-Fi 5GHz	2111	0	0	277	0	0
ppp0_nas0_0	366	0	0	266	0	0
nas0_1	59	0	0	15	0	0
nas0_2	10	0	0	0	0	0

Refresh

Reset Statistics

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

«PON»


:

Statistics PON

PON Statistics	
Bytes Sent	58932
Bytes Received	196338
Packets Sent	330
Packets Received	1309
Unicast Packets Sent	324
Unicast Packets Received	445
Multicast Packets Sent	0
Multicast Packets Received	549
Broadcast Packets Sent	6
Broadcast Packets Received	315
FEC Errors	0
HEC Errors	0
Packets Dropped	0
Pause Packets Sent	0
Pause Packets Received	0

- 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;
- Packets Dropped – .

«Z-Wave»

 NTU-RG-5421G-WZ, NTU-RG-5420G-WZ, NTU-RG-5440G-WZ, NTU-RG-5421G-WZ rev.B, NTU-RG-5440G-WZ rev.B.

Zwave Configuration

This page let user to config Zwave settings

Zway :

☒ Disable ☐ Enable

Hostname :

smarthome.example.org

Destination Port :

4443

Secure connection :

☐ Disable ☒ Enable

Apply Changes

Reset Controller

« ».

- Zway – / « »;
- Hostname – « »;
- Destination port – , « »;
- Secure connection – Enable, ;
- Reset controller ( Zway) – , , , .

*«Apply Changes».*

1.9	2.5.1	11.2021	
1.8	2.5.0	09.2021	
1.7	2.3.1	03.2021	
1.6	2.3.0	02.2021	
1.5	2.2.0	10.2020	
1.4	2.1.0	07.2020	
1.3	1.2.1	12.2019	
1.2	1.2.0	10.2019	
1.1	1.1.0	04.2019	
1.0	1.0.1	11.2018	