

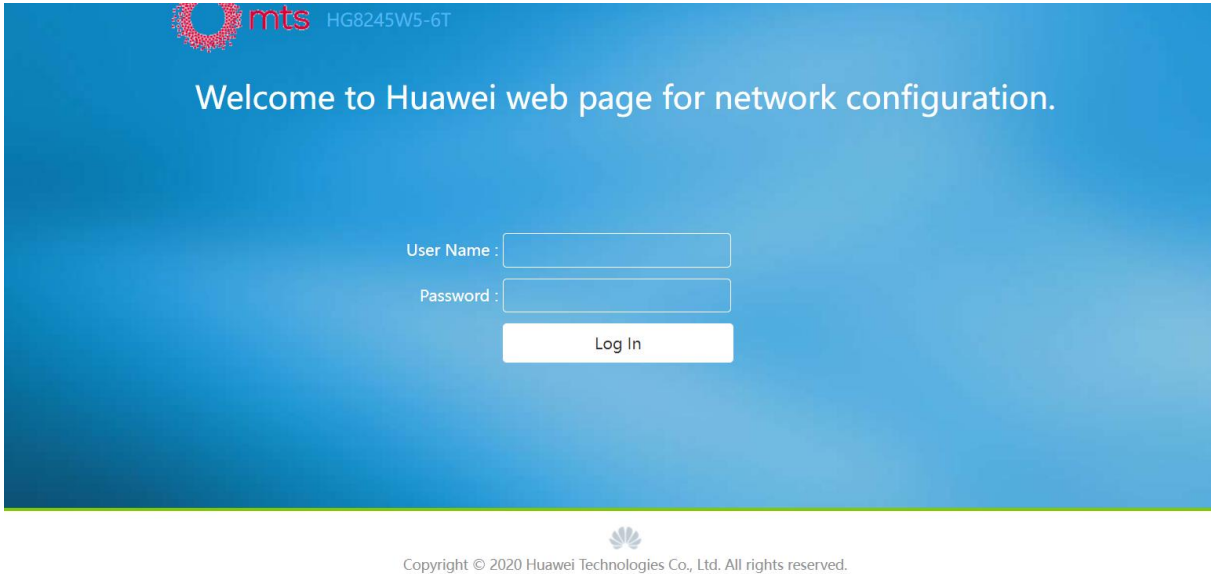
## Huawei HG8245W5 - Web panel

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## 1. Login page



The login page has a blue gradient background. At the top left is the 'mts' logo and the text 'HG8245W5-6T'. The main heading is 'Welcome to Huawei web page for network configuration.' Below this are two input fields: 'User Name :' and 'Password :'. A 'Log In' button is positioned below the password field. At the bottom center is the Huawei logo and the copyright notice: 'Copyright © 2020 Huawei Technologies Co., Ltd. All rights reserved.'

mts HG8245W5-6T

Welcome to Huawei web page for network configuration.

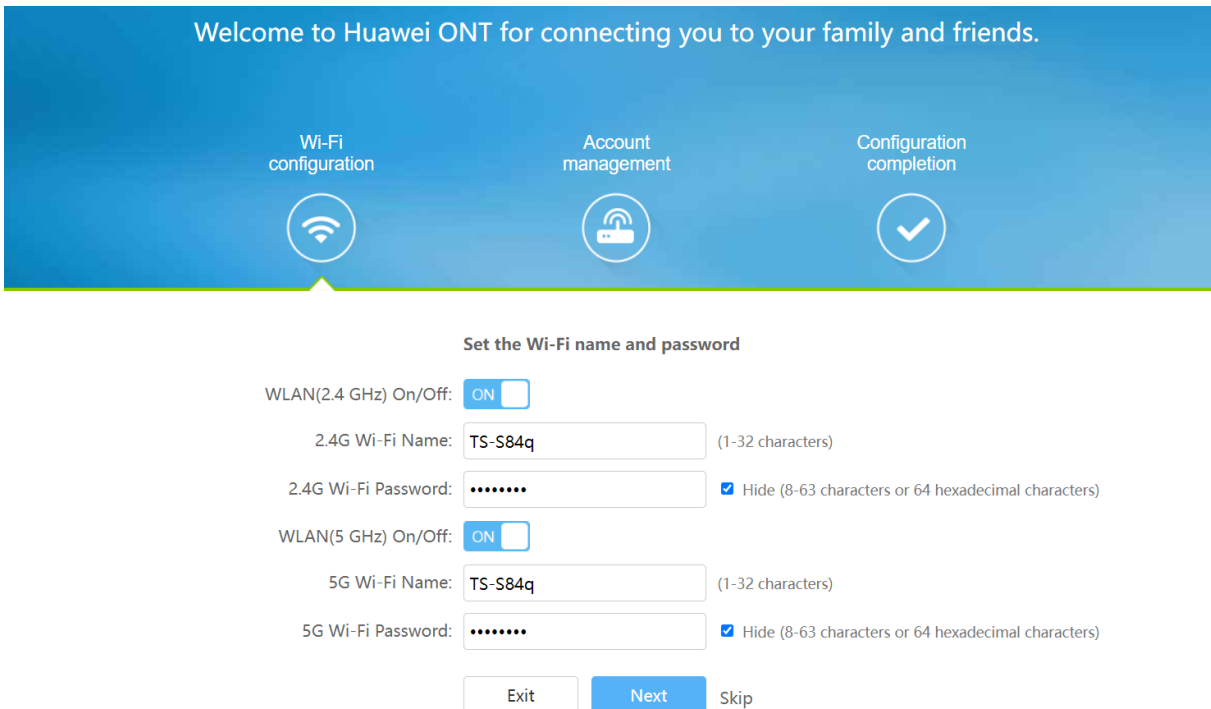
User Name :

Password :

Log In

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2. Inicijalna podešavanja koja se prikazuju nakon prvog prijavljivanja. Opciji **Fast settings** je moguće i naknadno pristupiti klikom na navedenu opciju u gornjem desnom uglu.



The initial configuration page has a blue gradient background. The heading is 'Welcome to Huawei ONT for connecting you to your family and friends.' Below this are three circular icons with labels: 'Wi-Fi configuration' (Wi-Fi icon), 'Account management' (account icon), and 'Configuration completion' (checkmark icon). The 'Wi-Fi configuration' icon is highlighted with a green arrow. Below the icons is the section 'Set the Wi-Fi name and password'. It contains two sections: 'WLAN(2.4 GHz) On/Off:' with an 'ON' toggle, and 'WLAN(5 GHz) On/Off:' with an 'ON' toggle. Each section has input fields for 'Wi-Fi Name' (pre-filled with 'TS-S84q') and 'Wi-Fi Password' (masked with dots). A 'Hide' checkbox is next to each password field. At the bottom are three buttons: 'Exit', 'Next', and 'Skip'.

Welcome to Huawei ONT for connecting you to your family and friends.

Wi-Fi configuration Account management Configuration completion

Set the Wi-Fi name and password

WLAN(2.4 GHz) On/Off: ☐ ON

2.4G Wi-Fi Name:  (1-32 characters)

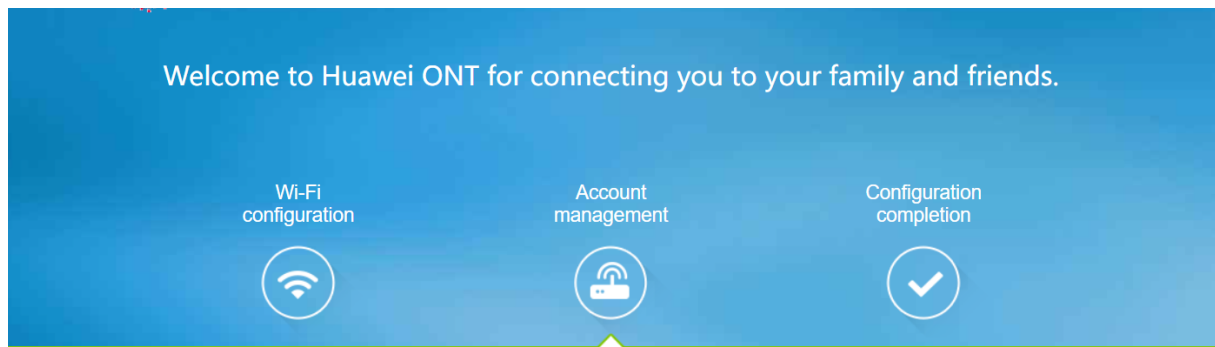
2.4G Wi-Fi Password:  ☒ Hide (8-63 characters or 64 hexadecimal characters)

WLAN(5 GHz) On/Off: ☐ ON

5G Wi-Fi Name:  (1-32 characters)

5G Wi-Fi Password:  ☒ Hide (8-63 characters or 64 hexadecimal characters)

Exit Next Skip



### Change your login password.

The login password cannot be the default one. Change it immediately.

User Name:telekom

Old Password:

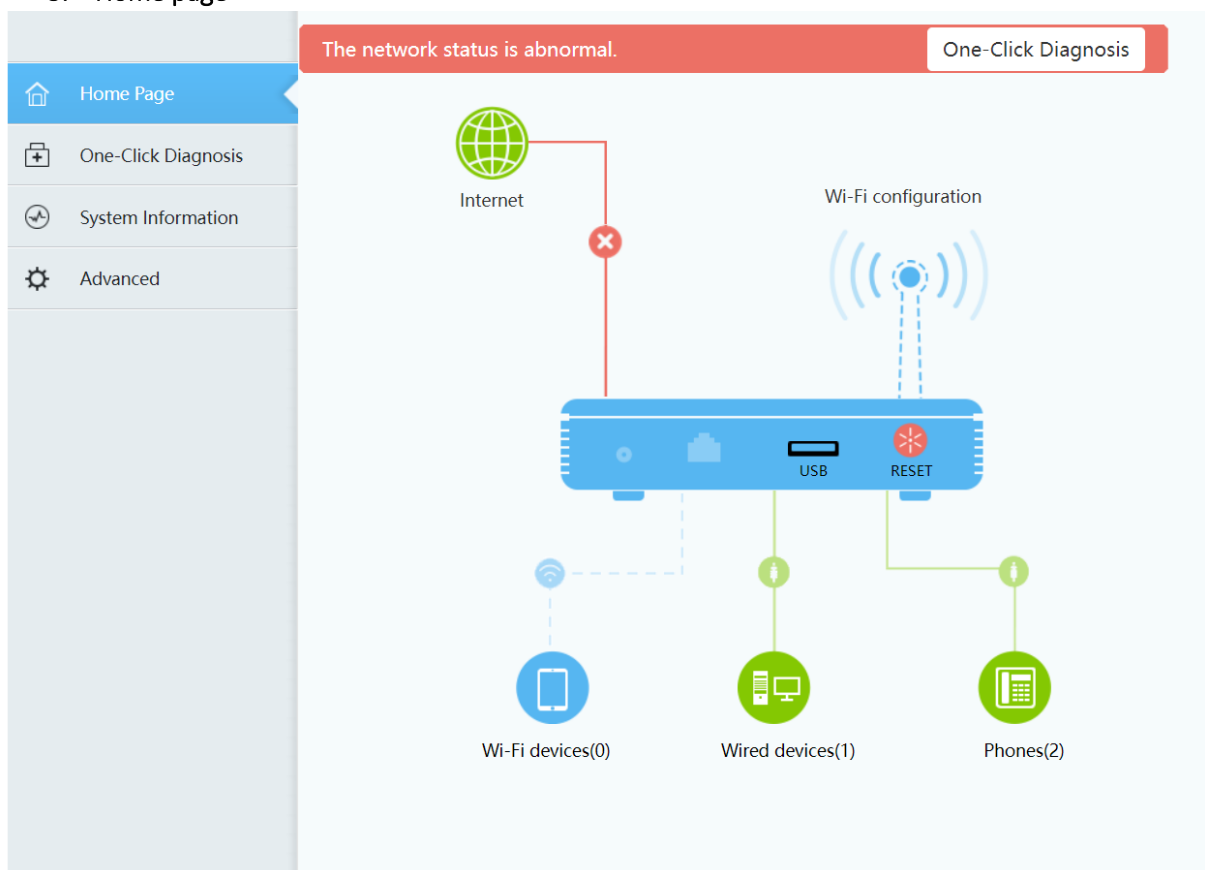
New Password:

Confirm Password:


**Password requirements**

1. The password must contain at least 6 characters.
2. The password must contain at least two of the following combinations: digits, uppercase letters, lowercase letters and special characters. Special characters can be the following: ` ~ ! @ # \$ % ^ & \* ( ) \_ = + \ | [ { } ] ; ' " < , . > / ? .
3. The password cannot be any user name or user name in reverse order.

### 3. Home page





### 3.1. Home page - Internet

  
Internet

PON info	Registration status	Network connection status
Line protocol: GPON	Optical path (OLT): The fiber is disconnected.	IP Protocol: --
Connection status: Disconnected	Registration status (ACS): Unregistered	IP Address: --
Connection duration: --		

### 3.2. Home page – Wi-Fi configuration

  
Internet

  
Wi-Fi configuration

#### Wi-Fi Setting

Enable 2.4G Network:

☒ ON

Wi-Fi Name:

TS-S84q

(1-32 characters)

Password:

.....

☒ Hide (8-63 characters or 64 hexadecimal characters)

☐ Hide the network

---

Enable 5G Network:

☒ ON

Wi-Fi Name:

TS-S84q

(1-32 characters)

Password:

.....

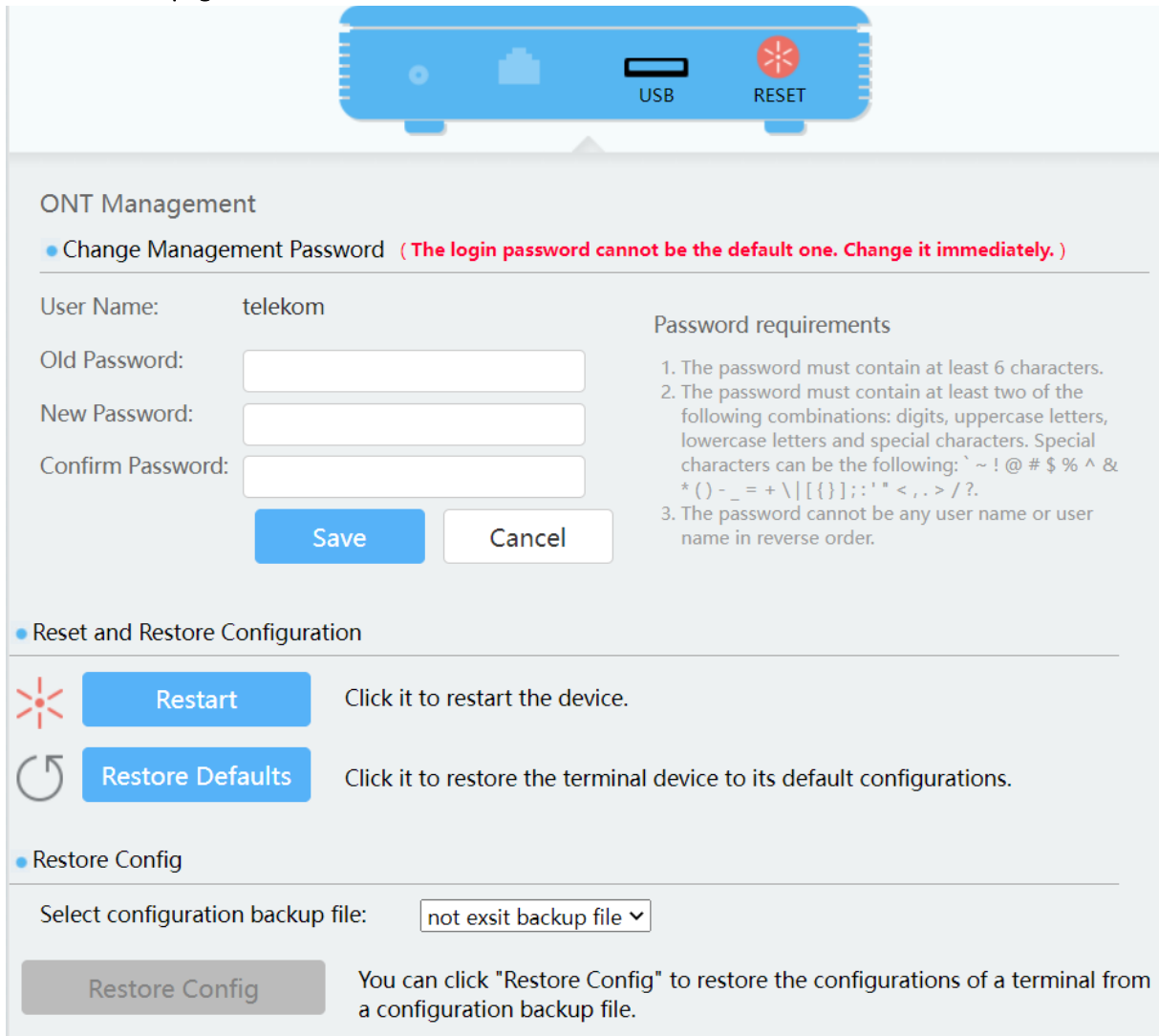
☒ Hide (8-63 characters or 64 hexadecimal characters)

☐ Hide the network

Save

Cancel

### 3.3. Home page - Reset



The interface features a header with a blue bar containing icons for power, network, USB, and a red RESET button. Below this, the 'ONT Management' section includes a 'Change Management Password' option with a warning. The password change form has fields for 'Old Password', 'New Password', and 'Confirm Password', along with 'Save' and 'Cancel' buttons. To the right, 'Password requirements' are listed. Below this, the 'Reset and Restore Configuration' section contains 'Restart' and 'Restore Defaults' buttons with descriptions. The 'Restore Config' section includes a dropdown for 'Select configuration backup file' and a 'Restore Config' button with a descriptive note.

ONT Management

- Change Management Password ( The login password cannot be the default one. Change it immediately. )

User Name: telekom

Old Password:


New Password:


Confirm Password:

Password requirements

1. The password must contain at least 6 characters.
2. The password must contain at least two of the following combinations: digits, uppercase letters, lowercase letters and special characters. Special characters can be the following: ` ~ ! @ # \$ % ^ & \* ( ) \_ = + \ | [ { } ] ; : ' " < , . > / ? .
3. The password cannot be any user name or user name in reverse order.

- Reset and Restore Configuration

  Click it to restart the device.

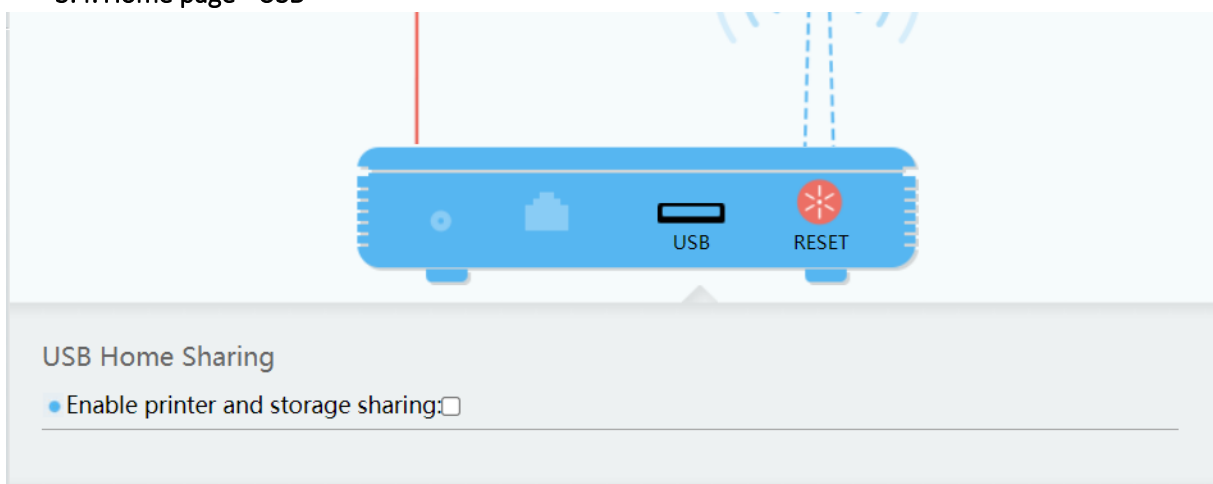
  Click it to restore the terminal device to its default configurations.

- Restore Config

Select configuration backup file:

You can click "Restore Config" to restore the configurations of a terminal from a configuration backup file.

### 3.4. Home page - USB

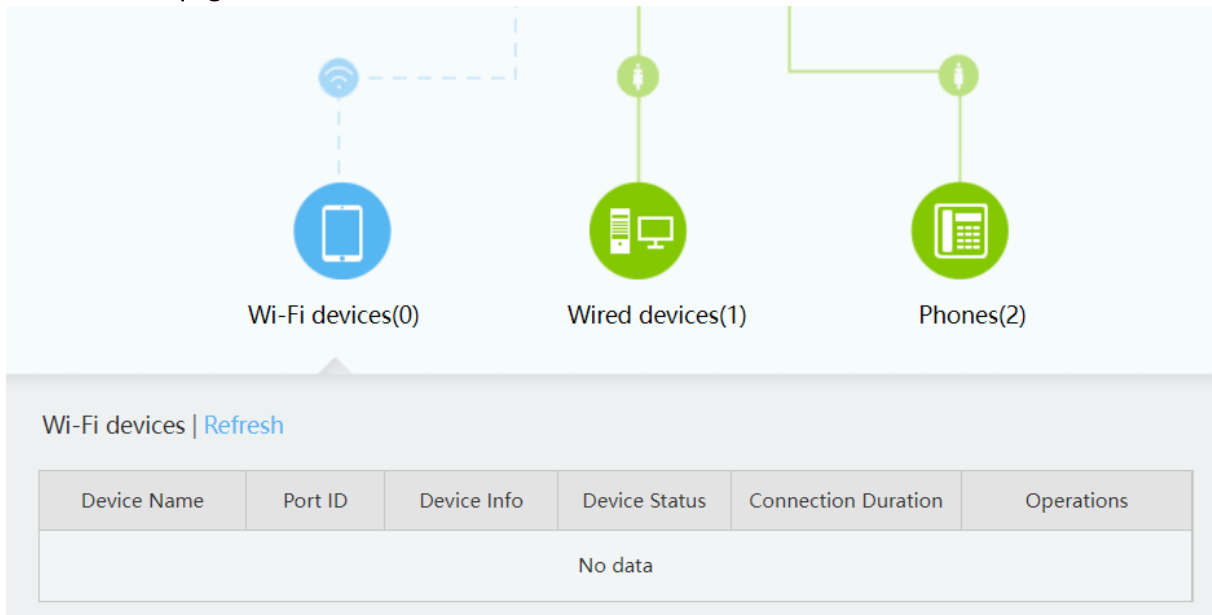


The interface features a header with a blue bar containing icons for power, network, USB, and a red RESET button. Below this, the 'USB Home Sharing' section includes an 'Enable printer and storage sharing' checkbox.

USB Home Sharing

- Enable printer and storage sharing: ☐

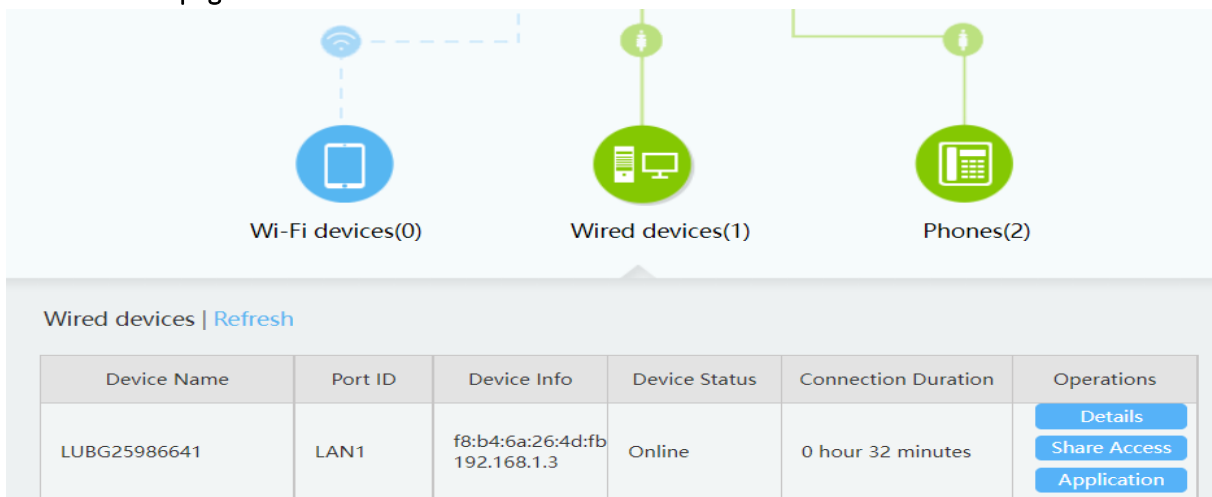
### 3.5. Home page – Wi-Fi devices



The screenshot shows the 'Wi-Fi devices' home page. At the top, there are three status indicators: 'Wi-Fi devices(0)' with a blue Wi-Fi icon, 'Wired devices(1)' with a green wired icon, and 'Phones(2)' with a green phone icon. Below these is a section titled 'Wi-Fi devices | Refresh'. It contains a table with the following columns: Device Name, Port ID, Device Info, Device Status, Connection Duration, and Operations. The table is currently empty, displaying 'No data'.

Device Name	Port ID	Device Info	Device Status	Connection Duration	Operations
No data					

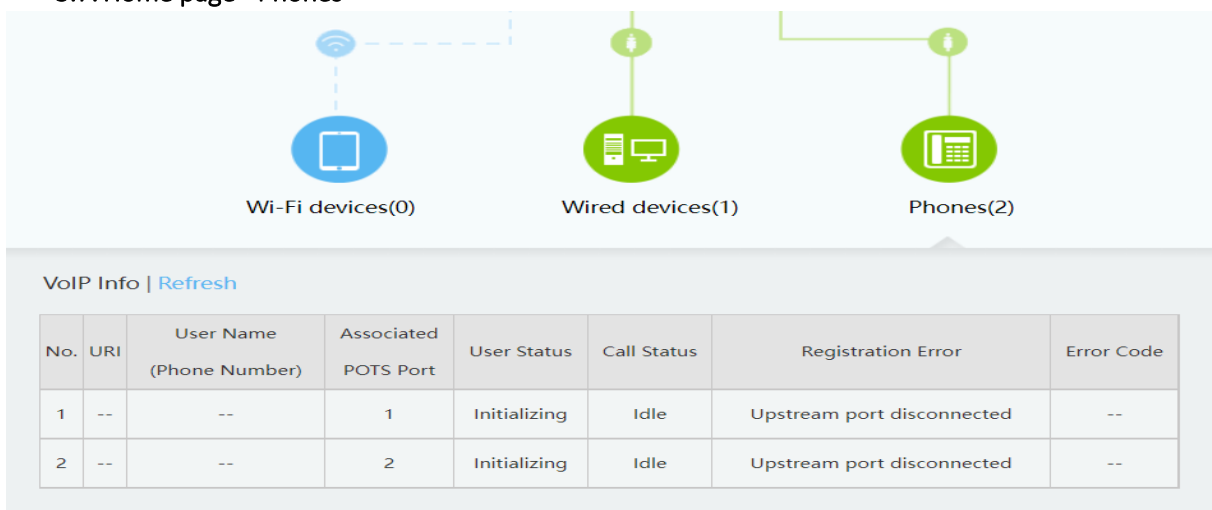
### 3.6. Home page – Wired devices



The screenshot shows the 'Wired devices' home page. At the top, there are three status indicators: 'Wi-Fi devices(0)' with a blue Wi-Fi icon, 'Wired devices(1)' with a green wired icon, and 'Phones(2)' with a green phone icon. Below these is a section titled 'Wired devices | Refresh'. It contains a table with the following columns: Device Name, Port ID, Device Info, Device Status, Connection Duration, and Operations. The table contains one entry for device 'LUBG25986641' on 'LAN1' with MAC address 'f8:b4:6a:26:4d:fb' and IP '192.168.1.3'. The status is 'Online' and connection duration is '0 hour 32 minutes'. The Operations column has three buttons: 'Details', 'Share Access', and 'Application'.

Device Name	Port ID	Device Info	Device Status	Connection Duration	Operations
LUBG25986641	LAN1	f8:b4:6a:26:4d:fb 192.168.1.3	Online	0 hour 32 minutes	<a href="#">Details</a> <a href="#">Share Access</a> <a href="#">Application</a>

### 3.7. Home page - Phones



The screenshot shows the 'Phones' home page. At the top, there are three status indicators: 'Wi-Fi devices(0)' with a blue Wi-Fi icon, 'Wired devices(1)' with a green wired icon, and 'Phones(2)' with a green phone icon. Below these is a section titled 'VoIP Info | Refresh'. It contains a table with the following columns: No., URI, User Name (Phone Number), Associated POTS Port, User Status, Call Status, Registration Error, and Error Code. The table contains two entries, both with 'Initializing' status and 'Upstream port disconnected' error.

No.	URI	User Name (Phone Number)	Associated POTS Port	User Status	Call Status	Registration Error	Error Code
1	--	--	1	Initializing	Idle	Upstream port disconnected	--
2	--	--	2	Initializing	Idle	Upstream port disconnected	--

#### 4. One-Click Diagnosis


Home Page

One-Click Diagnosis

System Information

Advanced

This diagnosis method applies for only a professional engineer and it affects data services. Therefore, exercise caution when you use this diagnosis method.




Diagnose again

The diagnosis result is abnormal. Handle the abnormality.

! Password strength

User password strength Low

Wi-Fi password strength High

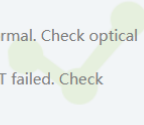


! Internet connection status

This optical path is abnormal. Check optical fiber connections.

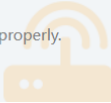
Registration with the OLT failed. Check registration parameters.

PPPoE dialup fails.



✓ Hardware status

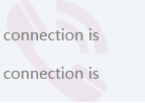
Hardware is functioning properly.



! Voice service status

Port1:The voice network connection is abnormal.

Port2:The voice network connection is abnormal.





## 5. System information

### 5.1. System information - Device

Device

WAN

Optical

Service Provisioni...

VoIP

Eth Port

WLAN

Home Network

#### Device Information

On this page, you can view basic device information.

##### Basic Information

Device Type:	HG8245W5-6T
CPE Description:	EchoLife HG8245W5-6T GPON Terminal (CLASS B+/PRODUCT ID:2150084679EGM5006889/CHIP:00000020210310)
SN:	48575443F8ED63A5 (HWTCF8ED63A5)
Hardware Version:	1A3D.A
Software Version:	V5R020C00S100
Manufacture Info:	2150084679EGM5006889.C412
ONT Registration Status:	O1(Initial state)
ONT ID:	255
CPU Usage:	13%
Memory Usage:	47%
Custom Info:	Telekom Srbija
System Time:	1981-01-01 00:36:40+01:00

##### Extended Information

Device alias:

Apply

### 5.2. System information – WAN Information

Device

WAN

Optical

Service Provisioni...

VoIP

Eth Port

WLAN

Home Network

#### WAN Information

On this page, you can query the connection and line status of the WAN port.

##### IPv4 Information (Click any table cell for details)

WAN Name	Status	IP Address	VLAN/Priority	Connect
1_INTERNET_R_VID_100	Disconnected	--	100/0	On Demand
2_VOIP_R_VID_500	Disconnected	--	500/0	Always On
3_IPTV_B_VID_300	Disconnected	--	300/0	Always On
4_TR069_R_VID_600	Disconnected	--	600/0	Always On
5_OTHER_B_VID_200	Disconnected	--	200/0	Always On

### 5.3. System information – Optical Information

Device

WAN

Optical

Service Provisioni...

VoIP

Eth Port

WLAN

Home Network

#### Optical Information

On this page, you can query the status of the optical module.

##### ONT Information

	Current Value	Reference Value
Optical Signal Sending Status:	--	Auto
TX Optical Power:	-- dBm	0.5 to 5 dBm
RX Optical Power:	-- dBm	-27 to -8 dBm
Working Voltage:	3312 mV	3100 to 3500 mV
Bias Current:	0 mA	0 to 90 mA
Working Temperature:	52 °C	-10 to +85 °C

##### OLT Information

	Current Value	Reference Value
Optical module type:	--	--
Transmit optical power:	-- dBm	--
PON port identifier:	--	--

### 5.4. System information – Service Provisioning Status

Device

WAN

Optical

Service Provisioni...

VoIP

Eth Port

WLAN

Home Network

#### Service Provisioning Status

On this page, you can query the service provisioning status.

ONT Registration Status:

Obtaining the status. Please wait.

OLT Service Configuration Status:

--

EMS Configuration Status:

--

ACS Registration Status:

--

Refresh

## 5.5. System information – VoIP Information

Device  
WAN  
Optical  
Service Provisioni...  
VoIP  
Eth Port  
WLAN  
Home Network

### VoIP Information

On this page, you can query status information of voice users and reset the voice function.

No.	URI	User Name (Phone Number)	Associated POTS Port	User Status	Call Status	Registration Err or	Error Code
1	--	--	1	Initializing	Idle	Upstream por t disconnected	--
2	--	--	2	Initializing	Idle	Upstream por t disconnected	--

Restart VoIP

## 5.6. System information – Eth Port Information

Device  
WAN  
Optical  
Service Provisioni...  
VoIP  
Eth Port  
WLAN  
Home Network

### Eth Port Information

On this page, you can query the user-side Ethernet port information.

#### Ethernet Port Status

Port	Status			Receive (RX)		Transmit (TX)	
	Mode	Speed	Link	Bytes	Packets	Bytes	Packets
1	Full-duplex	100 Mbit/s	Up	1719863	13884	15648874	14745
2	--	--	Down	0	0	0	0
3	--	--	Down	0	0	0	0
4	--	--	Down	0	0	0	0

## 5.7. System information – WLAN Information

Device  
WAN  
Optical  
Service Provisioni...  
VoIP  
Eth Port  
WLAN  
Home Network

### WLAN Information

On this page, you can query the WLAN information, WLAN packet statistics, and SSID information.

One-Click Diagnosis

☒ 2.4 GHz wireless network information
☐ 5 GHz wireless network information

#### WLAN Info

WLAN Status: Enabled  
WLAN Channel: 11

#### WLAN Packet Statistics

SSID Index	SSID Name	Receive (RX)				Transmit (TX)			
		Bytes	Packets	Error	Discarded	Bytes	Packets	Error	Discarded
1	TS-S84q	0	0	0	0	145764	1355	0	11

#### SSID Information

SSID Index	SSID Name	Security Configuration	Authentication Mode	Encryption Mode
1	TS-S84q	Configured	WPA/WPA2 PreSharedKey	TKIP&AES

5.8. System information – Home Network Information

Device

WAN

Optical

Service Provisioni...

VoIP


Eth Port

WLAN

Home Network

### Home Network Information

On this page, you can query the device status, statistics information, and neighbor AP information in the Wi-Fi network.



HG8245W5-6T  
MAC:EC:C0:1B:8C:A7:2B

#### Information About the Selected External AP

Model	Serial Number	Hardware Version	Software Version	Online Duration	Frequency Band	SSID Connection
--	--	--	--	--	--	--

#### Frequency Band of the Selected External AP

Devices Associated with External APs			External APs Neighbor Information					External AP Wi-Fi Statistics				
SSID Name	MAC Address	Connection Duration (s)	Receiving Rate (Mbit/s)	Sending Rate (Mbit/s)	Signal Strength (dBm)	Noise (dBm)	Signal-to-Noise Ratio (dB)	Signal Quality (dBm)	Antenna Num	11k	11v	DualB

## 6. Advanced

### 6.1. Advanced – WAN Configuration

WAN

LAN

Security

Forward Rules

Application

WLAN

System Management

Maintenance Diagno..

#### WAN Configuration

On this page, you can set WAN port parameters. A home gateway communicates with an upper-layer device using the WAN port. During the communication, WAN port parameters must be consistent with upper-layer device parameters.

Connection Name	VLAN/Priority	Protocol Type
1_INTERNET_R_VID_100	100/0	IPv4

## 6.2. Advanced – LAN

### 6.2.1. Advanced – LAN – LAN Host

WAN

LAN

LAN Host

DHCP Server

DHCP Static IP

DHCPv6 Server

DHCPv6 Static IP

Security

Forward Rules

Application

WLAN

System Management

Maintenance Diagno..

#### LAN Host Configuration

On this page, you can configure the LAN management IP address. After changing the LAN management IP address, ensure that the primary address pool on the DHCP server is in the same subnet as the new LAN IP address. Otherwise, the DHCP server will not work properly.

##### Primary Address

Primary IP Address:

192.168.1.1

\*

Primary Address Subnet Mask:

255.255.255.0

\*

##### Secondary Address

Enable secondary address:

☒

IP Address:

192.168.2.1

\*

Subnet Mask:

255.255.255.0

\*

Apply

Cancel

### 6.2.2. Advanced – LAN – DHCP Server Configuration

WAN

LAN

LAN Host

DHCP Server

DHCP Static IP

DHCPv6 Server

DHCPv6 Static IP

Security

Forward Rules

Application

WLAN

System Management

Maintenance Diagno..

#### DHCP Server Configuration

On this page, you can set DHCP server parameters for the LAN-side device to obtain IP addresses.

##### Primary Address Pool

Enable Primary DHCP Server: ☒

Enable DHCP Relay: ☒

Enable Option125: ☒

LAN Host IP Address: 192.168.1.1

Subnet Mask: 255.255.255.0

Start IP Address:  \*(It must be in the same subnet as the IP address of the LAN host.)

End IP Address:  \*

Lease Time:

Primary DNS Server:

Secondary DNS Server:

##### Secondary Address Pool

Enable Secondary DHCP Server: ☐

Apply

Cancel

### 6.2.3. Advanced – LAN – DHCP Static IP Configuration

WAN

LAN

LAN Host

DHCP Server

DHCP Static IP

DHCPv6 Server

DHCPv6 Static IP

#### DHCP Static IP Configuration

On this page, you can configure the reserved IP address that is assigned using DHCP for the specified MAC address.

New

Delete

	MAC Address	IP Address
--	--	--

#### 6.2.4. Advanced – LAN – DHCPv6 Server

LAN

LAN Host

DHCP Server

DHCP Static IP

DHCPv6 Server

DHCPv6 Static IP

Security

Forward Rules

Application

WLAN

System Management

Maintenance Diagno..

On this page, you can set IPv6-related feature parameters.

### Interface Address Information

IPv6 Address:

Method of Obtaining Prefixes:

Parent Prefix:

Child Prefix Mask:  (IPv6 address/64)

MTU:  (1280-1500)

### DNS Information

DNS Source on the LAN Side:

### Resource Allocation Information

Enable Route Advertisement: ☒

Enable DHCPv6 Server: ☒

Resource Allocation Mode:

Address/Prefix Assignment Mode: ☐ DHCPv6 ☒ SLAAC

Other Information Assignment Mode: ☒ DHCPv6 ☐ SLAAC

### ULA information

ULA Mode:

#### 6.2.5. Advanced – LAN – DHCPv6 Static IP Configuration

WAN

LAN

LAN Host

DHCP Server

DHCP Static IP

DHCPv6 Server

DHCPv6 Static IP

### DHCPv6 Static IP Configuration

On this page, you can assign an IP address to a MAC using a reserved interface ID and IPv6 GUA address. The IPv6 GUA address is a combination of the interface ID and prefix configured on the LAN side. If the method of obtaining LAN addresses is set to SLAAC, the configuration on this page does not take effect.

	MAC Address	Interface ID
--	--	--

## 6.3. Advanced – Security

### 6.3.1. Advanced – Security – Ipv4 Filtering

WAN

LAN

Security

IPv4 Filtering

MAC Filtering

Wi-Fi MAC Filterin...

Parental Control

Device Access Cont...

#### IPv4 Address Filtering

On this page, you can configure WAN-to-LAN filter to prohibit some IP addresses in the WAN from accessing the LAN.

Enable IP Filter: ☐ (Device forwarding performance will deteriorate if the IP filtering function is enabled.)

Filter Mode: Blacklist

New Delete

	Rule name	Protocol	Direction	LAN-Side IP Address	WAN-Side IP Address
--	--	--	--	--	--

### 6.3.2. Advanced – Security – MAC Address Filtering

WAN

LAN

Security

IPv4 Filtering

MAC Filtering

Wi-Fi MAC Filterin...

Parental Control

Device Access Cont...

#### MAC Address Filtering

On this page, you can configure MAC filter to prohibit some PCs from accessing the Internet.

Enable MAC Filter: ☐

Filter Mode: Blacklist

New Delete

	Device Name	Source MAC Address
--	--	--

### 6.3.3. Advanced – Security – Wi-Fi MAC Address Filtering

WAN

LAN

Security

IPv4 Filtering

MAC Filtering

Wi-Fi MAC Filterin...

Parental Control

Device Access Cont...

#### Wi-Fi MAC Address Filtering

On this page, you can configure MAC filter to prohibit some PCs from accessing the Internet.

Enable WLAN MAC Filter: ☐

Filter Mode: Blacklist

New Delete

	SSID Index	Device Name	Source MAC Address
--	--	--	--



### 6.3.4. Advanced – Security – Parental Control

WAN

LAN

Security

IPv4 Filtering

MAC Filtering

Wi-Fi MAC Filterin...

Parental Control

Device Access Cont...

## Parental Control

On this page, you can set Internet access restrictions to allow your kids to use the Internet safely without direct supervision. Parental control allows you to set the times when your kids can use the Internet and which websites they can access.

[Overview](#) | [Template](#) | [Statistics](#) [Help](#)

☐ Apply on all devices ☒ Apply on specified devices

New Delete

	Device	Description	Binding Templates
--	--	--	--

### 6.3.5. Advanced – Security – Device Access Control

WAN

LAN

Security

IPv4 Filtering

MAC Filtering

Wi-Fi MAC Filterin...

Parental Control

Device Access Cont...

## Device Access Control

On this page, you can enable or disable permissions to access the device.

### Wi-Fi Service

Enable devices on the Wi-Fi side to access web pages: ☐

Apply Cancel

## 6.4. Advanced – Forward Rules

### 6.4.1. Advanced – Forward Rules – DMZ Function

WAN

LAN

Security

Forward Rules

DMZ Function

IPv4 Port Mapping

Port Trigger

Application

WLAN

System Management

## DMZ Function

On this page, you can configure DMZ parameters. The DMZ device restricts unreliable external connections from linking up to the device. It is a buffer between a secure system and an insecure system. If the WAN port is not listed in the port mapping table, the application requests from the WAN connection are forwarded to the DMZ device.

New Delete

	WAN Name	Enable DMZ	Host Address
----	----	----	----

Enable DMZ: ☐

WAN Name:

Host Address:

Apply Cancel

### 6.4.2. Advanced – Forward Rules – Ipv4 Port Mapping

WAN

LAN

Security

Forward Rules

DMZ Function

IPv4 Port Mapping

Port Trigger

Application

WLAN

System Management

Maintenance Diagno..

#### IPv4 Port Mapping

On this page, you can set port mapping parameters to set up virtual servers on the LAN network and allow these servers to be accessed from the Internet.  
Note: The well-known ports for voice services cannot be in the range of the mapping ports.

NewDelete

	Mapping Name	WAN Name	Internal Host	External Host	Enable
----	----	----	----	----	----

Type: ☒ User-defined ☐ Application

Application: 

Select...

Enable Port Mapping: ☒

Mapping Name:

WAN Name: 

1\_INTERNET\_R\_V

Internal Host: 

Select...

External Source IP Address:

Add

ApplyCancel

### 6.4.3. Advanced – Forward Rules – Port Trigger

WAN

LAN

Security

Forward Rules

DMZ Function

IPv4 Port Mapping

Port Trigger

Application

WLAN

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Maintenance Diagno..

#### Port Trigger Configuration

On this page, you can configure the range of the ports that are used by LAN-side applications to access the Internet. You can also enable the port automatically.  
Note: The well-known ports for voice services cannot be in the range of open ports.

NewDelete

	WAN Name	Enable Port Trigger	Trigger Port	Open Port	Trigger Protocol	Open Protocol
----	----	----	----	----	----	----

Enable Port Trigger: ☒

WAN Name: 

1\_INTERNET\_R\_VID\_100

Trigger Protocol: 

TCP

Open Protocol: 

TCP

Start Trigger Port:

End Trigger Port:

Start Open Port:

End Open Port:

ApplyCancel

## 6.5. Advanced – Application

### 6.5.1. Advanced – Application – USB Application

WAN

LAN

Security

Forward Rules

Application

USB Application

Media Sharing

DDNS

UPnP

Static DNS

WLAN

System Management

Maintenance Diagno..

#### FTP Configuration

On this page, you can configure the FTP client for downloading a file to a storage device of the home gateway, and configure the FTP server for sharing resources.  
When configuring the FTP server, enable the LAN-side or WAN-side FTP function and select character code in UTF-8 format.  
Caution:  
Do not remove and re-insert the USB storage device in use, because this may damage files in it.

#### FTP Client Configuration

FTP URL:

Port ID:

User Name:

Password:

Path:  \*

User Name	Password	Port ID	FTP URL	Path	Status
--	--	--	--	--	--

#### FTP Server Configuration

Enable FTP Server: ☐

User Name:

Password:

Port ID:

USB Device:

Root Path:

### 6.5.2. Advanced – Application – Media Sharing

WAN

LAN

Security

Forward Rules

Application

USB Application

Media Sharing

DDNS

UPnP

Static DNS

#### Media Sharing

In the media sharing service, you can share media information to devices that support DLNA. For example, you can share video, audio, and pictures to PCs, mobile devices, and consumption appliances. On this page, you can configure the sharing service switch and share directories.  
⚠ Caution:  
Do not remove and re-insert the USB storage device in use, because this may damage files in it.

Enable media sharing: ☐

Share path: ☒ All paths ☐ Specify path

### 6.5.3. Advanced – Application - DDNS

- WAN
- LAN
- Security
- Forward Rules
- Application**
- USB Application
- Media Sharing
- DDNS
- UPnP
- Static DNS
- WLAN
- System Management
- Maintenance Diagno..

#### DDNS Function

To obtain the dynamic DNS service, you must apply for a domain name from the dynamic DNS service provider to obtain the configuration information, including the host, user name, and password.

New Delete

	WAN Name	Status	Service Provider	Domain Name
----	----	----	----	----

##### DDNS Service Information:

Enable DDNS: ☐

WAN Name: 1 INTERNET\_R\_VID\_100

Domain Name:  \*(1-255 characters)

##### Service provider information:

Service Provider: dyndns

Host of the Service Provider: members.dyndns.org \*(1-255 characters)

Service Port: 80 \*(1-65535)

User Name:  \*(1-256 characters)

Password:  (0-256 characters)

Encryption Mode: BASE64

Apply Cancel

##### DDNS Service State:

WAN Name	Domain Name	Run State	Last Update Time	Last Error
--	--	--	--	--

### 6.5.4. Advanced – Application - UPnP

- WAN
- LAN
- Security
- Forward Rules
- Application**
- USB Application
- Media Sharing
- DDNS
- UPnP**
- Static DNS
- WLAN

#### UPnP Function

On this page, you can enable or disable the universal plug-and-play (UPnP) function, which supports automatic discovery of multiple types of network devices. If this function is enabled for a device, the device can access networks, obtain an IP address, transmit data, discover other devices, and acquire the data of other devices.

Enable UPnP: ☐

Apply Cancel

Number	Description	External Port	Internal Port	Protocol	IP Address	Status
--	--	--	--	--	--	--

<< < 0/0 > >>
Page  Go

### 6.5.5. Advanced – Application – Static DNS

WAN

LAN

Security

Forward Rules

Application

USB Application

Media Sharing

DDNS

UPnP

Static DNS

## Static DNS

On this page, you can configure static domain name resolution.

### Static DNS Configuration

New

Delete

	Domain Name	IP Address
----	----	----

Domain Name:

\*

IP Address:

\*

Apply

Cancel

## 6.6. Advanced – WLAN

### 6.6.1. Advanced – WLAN – 2.4G Basic Network Settings

WAN

LAN

Security

Forward Rules

Application

WLAN

2.4G Basic Network...

2.4G Advanced Netw...

5G Basic Network S...

5G Advanced Networ...

Automatic Wi-Fi Sh...

Wi-Fi Coverage

System Management

Maintenance Diagno...

#### 2.4G Basic Network Settings

On this page, you can set the basic parameters of 2.4 GHz wireless network (When the 2.4 GHz wireless network is disabled, this page is blank).

**Caution:**

- Wireless network services may be interrupted temporarily after you modify wireless network parameters.
- It is recommended that you use the WPA2 or WPA/WPA2 authentication mode for security purposes.

☒ **Enable WLAN**

SSID Index	SSID Name	SSID Status	Number of Associated Devices	Broadcast SSID	Security Configuration
<input type="checkbox"/> 1	TS-S84q	Enabled	32	Enabled	Configured
---	---	---	---	---	---
-	-	-	-	-	-

#### SSID Configuration Details

SSID Name:  \* (1-32 characters)

Enable SSID: ☒

Number of Associated Devices:  \* (1-32)

Broadcast SSID: ☒

Enable WMM: ☒

Authentication Mode:

Encryption Mode:

WPA PreSharedKey:  ☒ Hide \*(8-63 characters or 64 hexadecimal characters)

WPA Group Key Regeneration Interval:  \*(600-86400s)

Enable WPS: ☒

WPS Mode:

PBC:

### 6.6.2. Advanced – WLAN – 2.4G Advanced Network Settings

WAN

LAN

Security

Forward Rules

Application

WLAN

2.4G Basic Network...

2.4G Advanced Netw...

5G Basic Network S...

5G Advanced Networ...

Automatic Wi-Fi Sh...

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Maintenance Diagno...

#### 2.4G Advanced Network Settings

On this page, you can set the advanced parameters of 2.4 GHz wireless network (When the 2.4 GHz wireless network is disabled, this page is blank).

**Caution:**

Wireless network services may be interrupted temporarily after you modify wireless network parameters.

#### Advanced Configuration

TX Power:

Regulatory Domain:

Channel:

Channel Width:

Mode:

DTIM Period:  (1-255; default: 1)

Beacon Period:  (20-1000 ms; default: 100)

RTS Threshold:  (1-2346 bytes; default: 2346)

Fragmentation Threshold:  (256-2346 bytes; default: 2346)

### 6.6.3. Advanced – WLAN – 5G Basic Network Settings

WAN

LAN

Security

Forward Rules

Application

WLAN

2.4G Basic Network...

2.4G Advanced Netw...

5G Basic Network S...

5G Advanced Networ...

Automatic Wi-Fi Sh...

Wi-Fi Coverage

System Management

Maintenance Diagno...

#### 5G Basic Network Settings

On this page, you can set the basic parameters of 5 GHz wireless network (When the 5 GHz wireless network is disabled, this page is blank).

**Caution:**

- Wireless network services may be interrupted temporarily after you modify wireless network parameters.
- It is recommended that you use the WPA2 or WPA/WPA2 authentication mode for security purposes.

☒ **Enable WLAN**

SSID Index	SSID Name	SSID Status	Number of Associated Devices	Broadcast SSID	Security Configuration
<input type="checkbox"/> 5	TS-S84q	Enabled	32	Enabled	Configured

#### SSID Configuration Details

SSID Name:  \* (1-32 characters)

Enable SSID: ☒

Number of Associated Devices:  \* (1-32)

Broadcast SSID: ☒

Enable WMM: ☒

Authentication Mode:

Encryption Mode:

WPA PreSharedKey:  ☒ Hide \*(8-63 characters or 64 hexadecimal characters)

WPA Group Key Regeneration Interval:  \*(600-86400s)

Enable WPS: ☒

WPS Mode:

PBC:

### 6.6.4. Advanced – WLAN – 5G Advanced Network Settings

WAN

LAN

Security

Forward Rules

Application

WLAN

2.4G Basic Network...

2.4G Advanced Netw...

5G Basic Network S...

5G Advanced Networ...

Automatic Wi-Fi Sh...

Wi-Fi Coverage

System Management

#### 5G Advanced Network Settings

On this page, you can set the advanced parameters of 5 GHz wireless network (When the 5 GHz wireless network is disabled, this page is blank).

**Caution:**

Wireless network services may be interrupted temporarily after you modify wireless network parameters.

#### Advanced Configuration

TX Power:

Regulatory Domain:

Channel:

Channel Width:

Mode:

Band Steering: ☒

DTIM Period:  (1-255; default: 1)

Beacon Period:  (20-1000 ms; default: 100)

RTS Threshold:  (1-2346 bytes; default: 2346)

Fragmentation Threshold:  (256-2346 bytes; default: 2346)

### 6.6.5. Advanced – WLAN – Automatic Wi-Fi Shutdown

WAN

LAN

Security

Forward Rules

Application

WLAN

2.4G Basic Network...

2.4G Advanced Netw...

5G Basic Network S...

5G Advanced Networ...

Automatic Wi-Fi Sh...

Wi-Fi Coverage

#### Automatic Wi-Fi Shutdown

On this page, you can enable automatic Wi-Fi shutdown in a specified period as required.

##### Automatic Shutdown Configuration

☒ Enable automatic Wi-Fi shutdown

	Start	End	Mon	Tues	Wed	Thur	Fri	Sat	Sun	All
1	<input type="text"/> : <input type="text"/>	<input type="text"/> : <input type="text"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	<input type="text"/> : <input type="text"/>	<input type="text"/> : <input type="text"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	<input type="text"/> : <input type="text"/>	<input type="text"/> : <input type="text"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	<input type="text"/> : <input type="text"/>	<input type="text"/> : <input type="text"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Apply

Cancel

### 6.6.6. Advanced – WLAN – Wi-Fi Coverage Management

WAN

LAN

Security

Forward Rules

Application

WLAN

2.4G Basic Network...

2.4G Advanced Netw...

5G Basic Network S...

5G Advanced Networ...

Automatic Wi-Fi Sh...

Wi-Fi Coverage

#### Wi-Fi Coverage Management

On this page, you can specify the SSID for a Wi-Fi network and add the scanned external AP to this Wi-Fi network. Then, the external AP and this device construct an entire Wi-Fi network and your wireless devices can seamlessly access this network.

Wi-Fi Parameter Setting

Wi-Fi Network Management

Select a policy to synchronize Wi-Fi parameters to the newly detected external AP.

☐ Do not enable automatic synchronization.

☒ Specify the SSID for automatic synchronization. 

TS-S84q(2.4G) TS-S84q(5G)

☐ Enable best-effort synchronization based on AP capabilities.

##### External AP List

Device Model	Serial Number	Status	Online Duration	Configuration Status
--	--	--	--	--



LAN

Security

Forward Rules

Application

WLAN

2.4G Basic Network...

2.4G Advanced Netw...

5G Basic Network S...

5G Advanced Networ...

Automatic Wi-Fi Sh...

Wi-Fi Coverage

System Management

Maintenance Diagno...

On this page, you can specify the SSID for a Wi-Fi network and add the scanned external AP to this Wi-Fi network. Then, the external AP and this device construct an entire Wi-Fi network and your wireless devices can seamlessly access this network.

Wi-Fi Parameter Setting

Wi-Fi Network Management

☐ Synchronize WLAN frequency band status to the external AP

☐ Enable Video Retransmission Switch

RTCP Port  1~65535, default value:8027

Apply

Cancel

Wi-Fi Link Switching Sensitivity

Low

Medium

High

Apply

Cancel

Wi-Fi Operation for Entire Network

Forced channel reselection

Start

Automatic Network Topology Adjustment Policy

☐ No cascaded STAs
 ☒ Deteriorated cascade link
 

☒ The cascade link rate is lower than the threshold.
 ☐ The air interface packet loss rate of the cascade link exceeds the threshold.

Apply

Cancel

Cascade Link Threshold

Name	Value	Description
Low rate threshold	<input type="text" value="200"/>	kbps (0 to 65535; default value: 200)
PLR threshold	<input type="text" value="5"/>	% (0 to 100; default value: 5)

Apply

Cancel

## 6.7. Advanced – System Management

### 6.7.1. Advanced – System Management – Account Management

WAN	Account Management
LAN	On this page, you can change the password of the current login user to ensure security and make it easy to remember.
Security	<b>The login password cannot be the default one. Change it immediately.</b>
Forward Rules	User Name: <input type="text" value="telekom"/>
Application	Old Password: <input type="password"/>
WLAN	New Password: <input type="password"/>
System Management	Confirm Password: <input type="password"/>
Account Management	<div>1. The password must contain at least 6 characters. 2. The password must contain at least two of the following combinations: digits, uppercase letters, lowercase letters; and special characters. Special characters can be the following: ` ~ ! @ # \$ % ^ &amp; * ( ) - _ = + \   [ ] { } ; : ' " &lt; , . &gt; / ? . 3. The password cannot be any user name or user name in reverse order.</div>
ONT Authentication	<div>Apply Cancel</div>
Open Source Softwa...	
Maintenance Diagno..	

### 6.7.2. Advanced – System Management – ONT Authentication

WAN	ONT Authentication
LAN	On this page, you can change ONT authentication parameters to ensure that it can be authenticated on the OLT.
Security	Password Mode: <input type="text" value="ASCII string"/>
Forward Rules	Password: <input type="password"/>
Application	<input checked="" type="checkbox"/> Hide(a string of 10 characters at most)
WLAN	<div>Apply Cancel</div>
System Management	
Account Management	
ONT Authentication	
Open Source Softwa...	
Maintenance Diagno..	

## 6.8. Advanced - Maintenance diagnostic

### 6.8.1. Advanced - Maintenance diagnostic – Configuration File Management

WAN

LAN

Security

Forward Rules

Application

WLAN

System Management

Maintenance Diagno..

Configuration File...

Maintenance

User Log

Firewall Log

Indicator Status M...

Reboot

#### Configuration File Management

On this page, you can store the configuration file.

SaveSave and Restart

### 6.8.2. Advanced - Maintenance diagnostic – Maintenance

WAN

LAN

Security

Forward Rules

Application

WLAN

System Management

Maintenance Diagno..

Configuration File...

Maintenance

User Log

Firewall Log

Indicator Status M...

Reboot

#### Maintenance

On this page, you can use the maintenance and diagnosis function to check LAN or Internet connectivity.

##### Ping Test

Target:

\*

WAN Name:

Data Block Size:

56

(32-65500; default: 56)

Repetitions:

4

(1-3600; default without inputting: 4)

Maximum Timeout Time:

10

(1-4294967s; default: 10)

DSCP Value:

0

(0-63; default without inputting: 0)

StartStop

##### Traceroute Test

Target:

\*

WAN Name:

Data Block Size:

38

(38-32768; default: 38)

StartStop

### 6.8.3. Advanced - Maintenance diagnostic – User Log

WAN

LAN

Security

Forward Rules

Application

WLAN

System Management

Maintenance Diagnostic

Configuration File...

Maintenance

User Log

Firewall Log

Indicator Status M...

Reboot

## User Log

On this page, you can download and query user logs.

### Download and View Logs

Download Log File

Log Type: All-Log

Manufacturer:Huawei Technologies Co., Ltd;  
ProductClass:HG8245W5-6T;  
SerialNumber:48575443F8ED63A5;  
IP:192.168.1.1;  
HWVer:1A3D.A;  
SWVer:V5R020C00S100;

1981-01-01 00:00:09 [Error][Alarm-Log] AlarmID:104001,AlarmLevel:Error,Device reset. Cause: System  
1970-01-01 00:00:00 [Error][Alarm-Log] AlarmID:104001,AlarmLevel:Error,Device reset. Cause: System  
1981-01-01 00:01:41 [Error][Alarm-Log] AlarmID:104509,AlarmLevel:Error,Software upgrading.Termin  
1981-01-01 00:02:27 [Error][Alarm-Log] AlarmID:104510,AlarmLevel:Error,Software successfully upgra  
1981-01-01 00:02:28 [Error][Alarm-Log] AlarmID:104001,AlarmLevel:Error,Device reset. Cause: [0], Ter  
1970-01-01 00:00:00 [Error][Alarm-Log] AlarmID:104001,AlarmLevel:Error,Device reset. Cause: System  
1970-01-01 00:00:00 [Error][Alarm-Log] AlarmID:104001,AlarmLevel:Error,Device reset. Cause: System  
1970-01-01 00:00:00 [Error][Alarm-Log] AlarmID:104001,AlarmLevel:Error,Device reset. Cause: System  
1981-01-01 00:00:11 [Error][Alarm-Log] AlarmID:104001,AlarmLevel:Error,Device reset. Cause: System  
1970-01-01 00:00:00 [Error][Alarm-Log] AlarmID:104001,AlarmLevel:Error,Device reset. Cause: System  
1970-01-01 00:00:00 [Error][Alarm-Log] AlarmID:104001,AlarmLevel:Error,Device reset. Cause: System

### 6.8.4. Advanced - Maintenance diagnostic – Firewall Log

WAN

LAN

Security

Forward Rules

Application

WLAN

System Management

Maintenance Diagnostic

Configuration File...

Maintenance

User Log

Firewall Log

Indicator Status M...

Reboot

## Firewall Log

On this page, you can configure, download, and query a firewall log.

Enable Firewall Log ☐ (If enabled, device forwarding performance will be deteriorated.)

New Delete

	Log Rule Status	Log Access Direction	Log Rule Action
--	--	--	--

### Download and View Logs

Download Log File

Manufacturer:Huawei Technologies Co., Ltd;  
ProductClass:HG8245W5-6T;  
SerialNumber:48575443F8ED63A5;  
IP:192.168.1.1;  
HWVer:1A3D.A;  
SWVer:V5R020C00S100;

### 6.8.5. Advanced - Maintenance diagnostic – Indicator Status Management

WAN

LAN

Security

Forward Rules

Application

WLAN

System Management

Maintenance Diagno..

Configuration File...

Maintenance

User Log

Firewall Log

Indicator Status M...

## Indicator Status Management

On this page, you can set the indicator switch of a device. You can configure an indicator off period if you set Indicator switch to Off. An indicator is always off if no indicator off period is specified.

### Indicator Switch Configuration

Indicator Switch ☒ On ☐ Off

### 6.8.6. Advanced - Maintenance diagnostic – Reboot

WAN

LAN

Security

Forward Rules

Application

WLAN

System Management

Maintenance Diagno..

Configuration File...

Maintenance

User Log

Firewall Log

Indicator Status M...

Reboot

## Reboot

On this page, you can set reboot settings.

Enable: ☐

Running Days:  (1-365)

Traffic Keep Time:  (m)

Traffic Limit:  (Kb)

Reboot Start Time:  :  (00:00-23:59)

Reboot End Time:  :  (00:00-23:59)