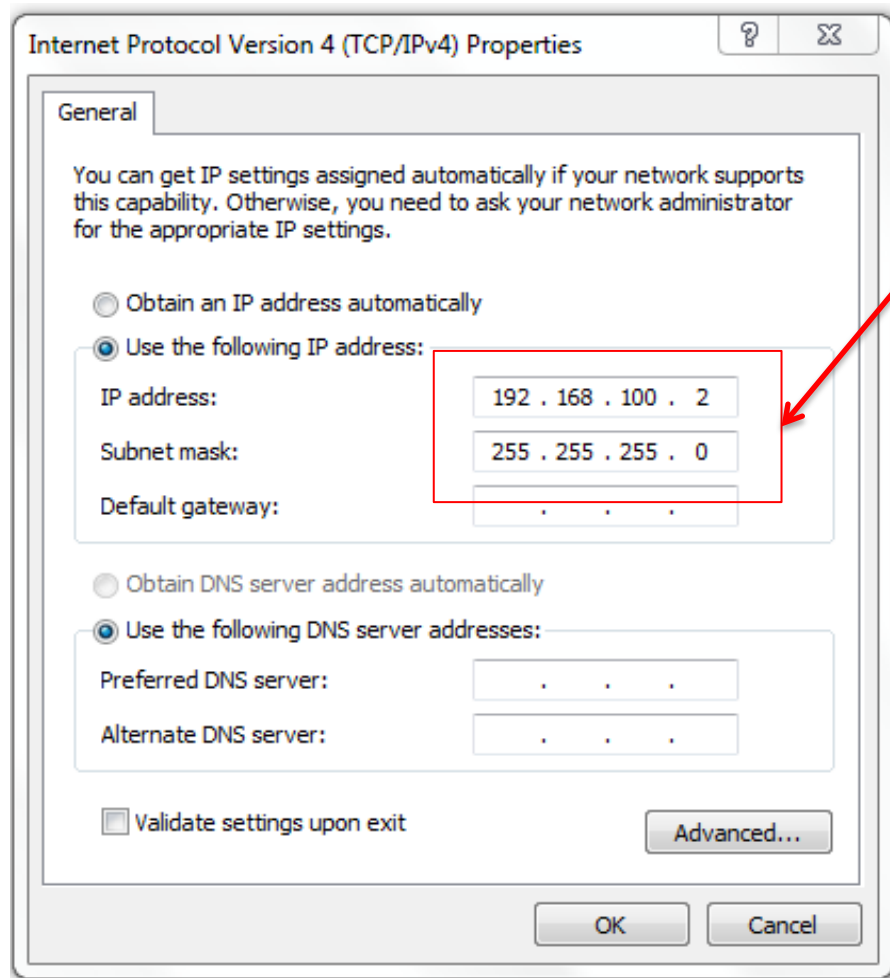


How to configuration the HG8245H ONT

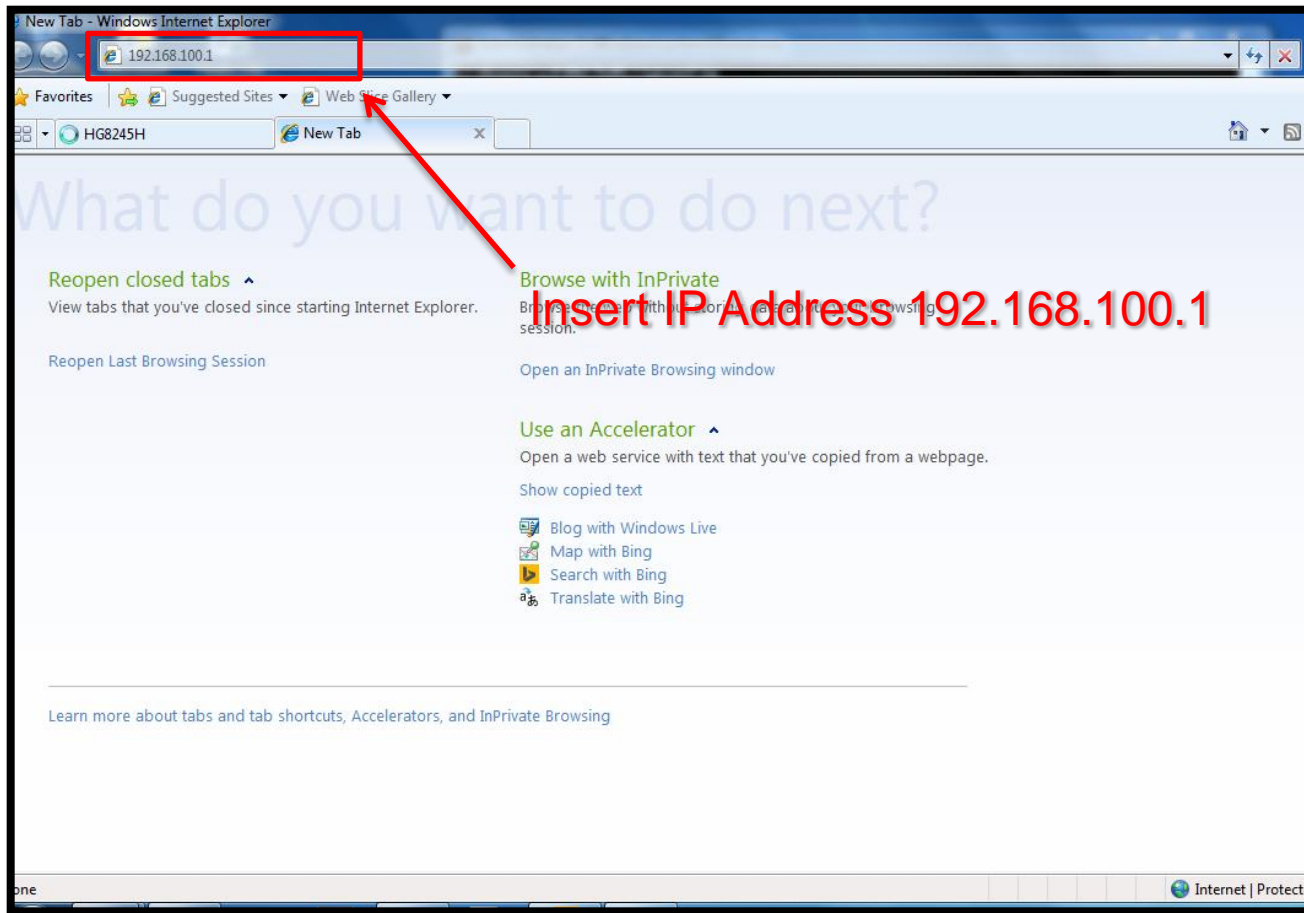
www.huawei.com

How to configure HG8245H?



Fixed IP ที่ Computer ที่จะใช้ในการ Configure ใช้ IP และ Subnet mask ดังตัวอย่างในภาพ

How to configure HG8245H ?



How to configure HG8245H ?



ใส่ Account และ Password ดังนี้:

Account : **telecomadmin**

Password : **admintelecom**

How to configure HG8245H ?

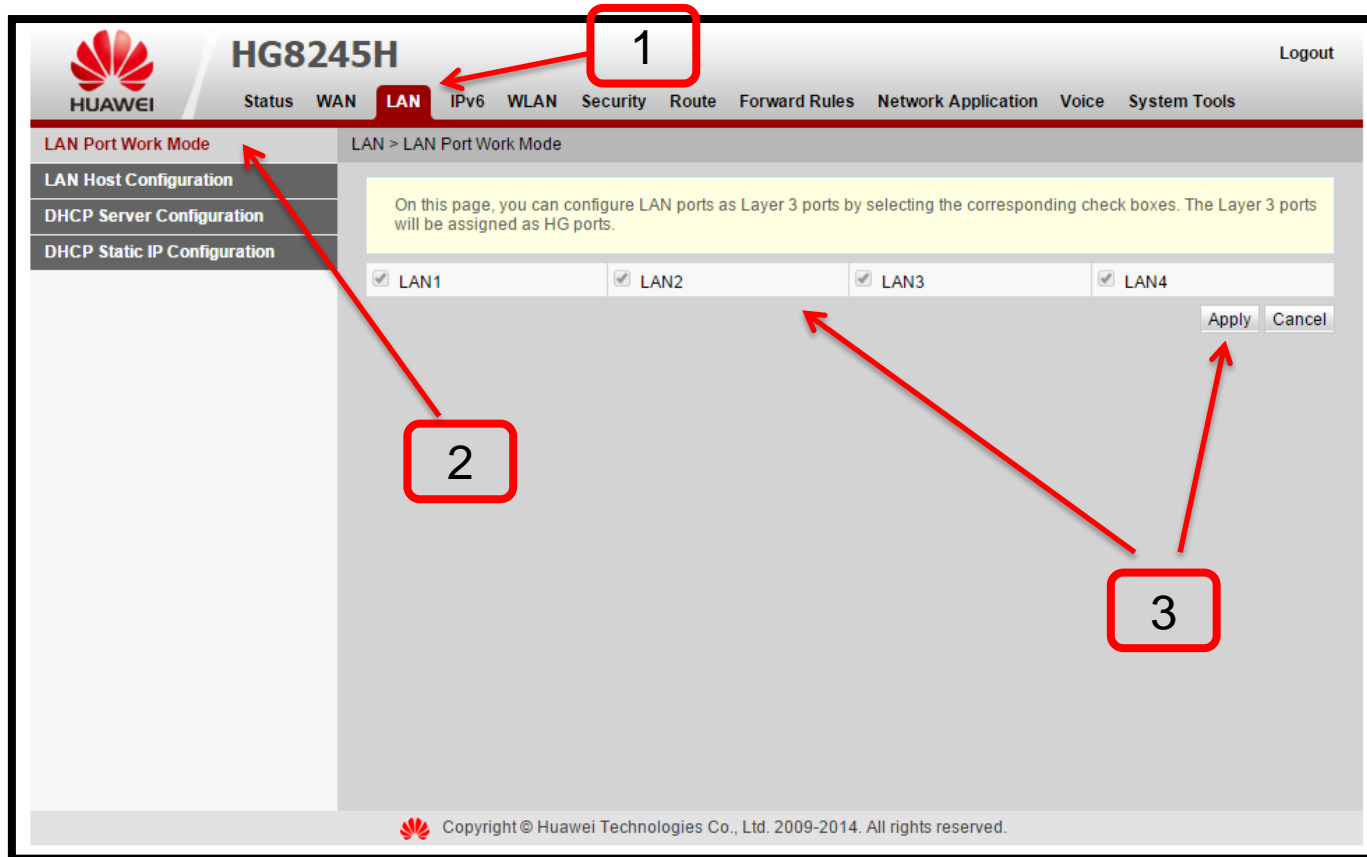
The screenshot shows the Huawei HG8245H web management interface. The browser address bar shows the URL 192.168.100.1/index.asp. The page title is HG8245H. The navigation menu includes Status, WAN, LAN, IPv6, WLAN, Security, Route, Forward Rules, Network Application, Voice, and System Tools. The left sidebar contains various information sections, with Optical Information selected. The main content area shows the Optical Information page, which includes a table of parameters for ONT and OLT information. The 'Current Value' and 'Reference Value' columns are highlighted with red and yellow boxes respectively.

	Current Value	Reference Value
Optical Signal Sending Status:	Auto	Auto
TX Optical Power:	2.25 dBm	0.5 to 5 dBm
RX Optical Power:	-12.87 dBm	-27 to -8 dBm
Working Voltage:	3332 mV	3100 to 3500 mV
Bias Current:	13 mA	0 to 90 mA
Working Temperature:	35 °C	-10 to +85 °C

	Current Value	Reference Value
Optical module type:	Class A	--
Transmit optical power:	1173.2 dBm	0 to 4 dBm
PON port identifier:	(0x48575443DCD517)	--

Click ที่ Status → Optical Information
เพื่อตรวจสอบสถานะของ ONT
สีเหลืองคือ ค่าอ้างอิง สีแดงคือค่าที่ได้รับจริง

How to configure HG8245H ?



1. Click ที่ LAN
2. Click ที่ LAN Port Work Mode
3. Click เลือก Port LAN ทุก Port แล้ว กด Apply

How to configure HG8245H ?

The screenshot shows the Huawei HG8245H web interface. The top navigation bar includes 'Status', 'WAN', 'LAN', 'IPv6', 'WLAN', 'Security', 'Route', 'Forward Rules', 'Network Application', 'Voice', and 'System Tools'. The 'WAN' menu item is highlighted with a red box labeled '1'. Below the navigation bar, the page title is 'WAN Configuration' and the breadcrumb is 'WAN > WAN Configuration'. A yellow information box states: 'On this page, you can configure WAN port parameters. The ONT (home gateway) uses a WAN port to communicate with upper-layer network equipment. Therefore, these parameters must be consistent between the ONT and the network equipment.' Below this is a table with columns 'Connection Name', 'VLAN/Priority', and 'Protocol Type'. The table contains two rows: '2_INTERNET_B_VID_101' and '1_INTERNET_R_VID_100', both with 'IPv4' protocol type. A 'New' button and a 'Delete' button are located above the table. The 'New' button is highlighted with a red box labeled '2'. At the bottom of the page, there is a copyright notice: 'Copyright © Huawei Technologies Co., Ltd. 2009-2014. All rights reserved.'

1. Click ที่ WAN
2. Click ที่ New

How to configure HG8245H ?

Basic Information

Enable WAN:	<input checked="" type="checkbox"/>	← 1
Encapsulation Mode:	<input type="radio"/> IPoE <input checked="" type="radio"/> PPPoE	← 2
Protocol Type:	IPv4	
WAN Mode:	Route WAN	← 3
Service Type:	INTERNET	
Enable VLAN:	<input checked="" type="checkbox"/>	
VLAN ID:	10	← 4
802.1p Policy:	<input checked="" type="radio"/> Use the specified value <input type="radio"/> Copy from IP precedence	
802.1p:	0	
MRU:		(1-1540)
User Name:	022222222@tothome	← 5
Password:	*****	
Enable LCP Detection:	<input type="checkbox"/>	
Binding Options:	<input checked="" type="checkbox"/> LAN1 <input checked="" type="checkbox"/> LAN2 <input checked="" type="checkbox"/> LAN3 <input checked="" type="checkbox"/> LAN4 <input checked="" type="checkbox"/> SSID1 <input type="checkbox"/> SSID2 <input checked="" type="checkbox"/> SSID3 <input type="checkbox"/> SSID4	← 6

IPv4 Information

IP Acquisition Mode:	<input type="radio"/> Static <input type="radio"/> DHCP <input checked="" type="radio"/> PPPoE	
Enable NAT:	<input checked="" type="checkbox"/>	
NAT type:	Port-restricted cone NAT	
Dialing Method:	Automatic	
Multicast VLAN ID:		(1-4094)
DNSv4 for IPv6:	<input type="checkbox"/>	

Apply Cancel

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1. เลือก Enable WAN
2. เลือก PPPoE สำหรับ Internet
3. WAN Mode:เลือก Route WAN

4. ใส่ User VLAN 10 สำหรับ Internet
5. ใส่ User & Password
6. เลือก Port LAN และ SSID

How to configure HG8245H ?

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

Enable WLAN

Basic Configuration New Delete

SSID Index	SSID Name	SSID Status	Number of Associated Devices	Broadcast SSID	Security Configuration
<input type="checkbox"/> 1	HUAWEI-1189	Enabled	32	Enabled	Configured
<input type="checkbox"/> 2	@AISwifi_Huawei	Enabled	32	Enabled	Unconfigured

SSID Configuration Details

SSID Name: HUAWEI-1189 * (1-32 characters) **1**

Enable SSID:

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

Broadcast SSID:

Enable WMM:

Authentication Mode: WPA2 PreSharedKey **2**

Encryption Mode: TKIP&AES

WPA PreSharedKey: Hide * (8-63 ASCII characters or 64 hexadecimal characters) **3**


WPA Group Key Regeneration Interval: 3600 *(600-86400s)

Enable WPS:

WPS Mode: PBC

PBC:

4

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Click ที่ WLAN → SSID Index 1

1. เปลี่ยนชื่อตามความต้องการของลูกค้า

2. เลือกตามตัวอย่างในภาพ

3. เปลี่ยนรหัสตามความต้องการของลูกค้า

4. Click ที่ Apply

How to configure HG8245H ?

The screenshot displays the Huawei HG8245H web management interface. The top navigation bar includes 'Status', 'WAN', 'LAN', 'IPv6', 'WLAN', 'Security', 'Route', 'Forward Rules', 'Network Application', 'Voice', and 'System Tools'. The 'Status' menu is selected, leading to the 'WAN Information' page. A yellow box contains the text: 'On this page, you can query the connection and line status of the WAN port.' Below this, the 'IPv4 Information' table is highlighted with a red box. The table has columns: WAN Name, Connection Status, IP Acquisition Mode, IP Address, Subnet Mask, VLAN/Priority, MAC Address, and Connection Status. Two rows are visible: '2_INTERNET_B_VID_101' with 'Connected' status and '1_INTERNET_R_VID_100' with 'Connected' status and 'PPPoE' acquisition mode. Below the IPv4 table is the 'IPv6 Information' table, which is currently empty. The footer contains the Huawei logo and copyright information: 'Copyright © Huawei Technologies Co., Ltd. 2009-2014. All rights reserved.'

WAN Name	Connection Status	IP Acquisition Mode	IP Address	Subnet Mask	VLAN/Priority	MAC Address	Connection Status
2_INTERNET_B_VID_101	Connected	--	--	--	101/0	--	Always
1_INTERNET_R_VID_100	Connected	PPPoE	10.178.128.129	255.255.255.255	100/0	10:51:72:DC:9A:3C	Always

Click ที่ Status → WAN Information
เพื่อตรวจสอบว่าได้รับ IP หรือยัง หลังจาก Configure เสร็จ

How to configure HG8245H ?

The screenshot shows the Huawei HG8245H web interface. The top navigation bar includes the Huawei logo, the model name 'HG8245H', and a 'Logout' link. Below the navigation bar are several menu items: Status, WAN, LAN, IPv6, WLAN, Security, Route, Forward Rules, Network Application, Voice, and System Tools. The 'System Tools' menu item is highlighted with a red box. On the left side, there is a sidebar menu with various options, including 'Configuration File', which is also highlighted with a red box. The main content area is titled 'System Tools > Configuration File' and contains three yellow informational boxes. The first box explains that the current configuration file can be saved to flash memory and that the device can be restarted. Below this box are two buttons: 'Save' and 'Save and Restart', with the 'Save' button highlighted in red. The second box states that the current configuration file can be downloaded to a local computer, with a 'Download Configuration File' button below it. The third box explains that if a path is entered and 'Update Configuration File' is clicked, the terminal will be updated. Below this box is a form with a 'Configuration File:' label, an input field, a 'Browse...' button, and an 'Update Configuration File' button. At the bottom of the page, there is a copyright notice: 'Copyright © Huawei Technologies Co., Ltd. 2009-2014. All rights reserved.'

Click ที่ System Tools → Configuration File → Save
เมื่อ Configure เสร็จแล้วจะต้อง Save ทุกครั้ง

Port Forwarding

www.huawei.com

Port Forwarding

HUAWEI HG8245H Logout

Status WAN LAN IPv6 WLAN Security Route **Forward Rules** Network Application Voice System Tools

DMZ Configuration Forward Rules > Port Mapping Configuration

Port Mapping Configuration **2**

Port Trigger Configuration

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

3

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

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Click Forward Rules → Port Mapping Configuration → New

Port Forwarding

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

Mapping Name	WAN Name	Internal Host	External Host	Enable

Type: User-defined Application Select...

Enable Port Mapping:

Mapping Name: CAMARA ← 1

WAN Name: 2_INTERNET_R_V ← 2

Internal Host: 192.168.100.20 * Select ← 3

External Source IP Address:

Add ← 4 Apply Cancel

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1. กำหนดชื่อ
2. กำหนด WAN ที่ใช้

3. กรอก IP ของกล่องที่กำหนดไว้
4. Click ที่ Add

Port Forwarding

HUAWEI HG8245H

Status WAN LAN IPv6 WLAN Security Route **Forward Rules** Network Application Voice System Tools

DMZ Configuration

Port Mapping Configuration

Port Trigger Configuration

Forward Rules > Port Mapping Configuration

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

New Delete

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

Type: User-defined Application Select...

Enable Port Mapping:

Mapping Name: CAMARA

WAN Name: 2_INTERNET_R_V

Internal Host: 192.168.100.20 * Select... **5**

External Source IP Address:

Protocol: TCP/UDP **6**

Internal port number: 3500 -- 3500 *

External port number: 3500 -- 3500 * **7**

External source port number:

Delete **8**

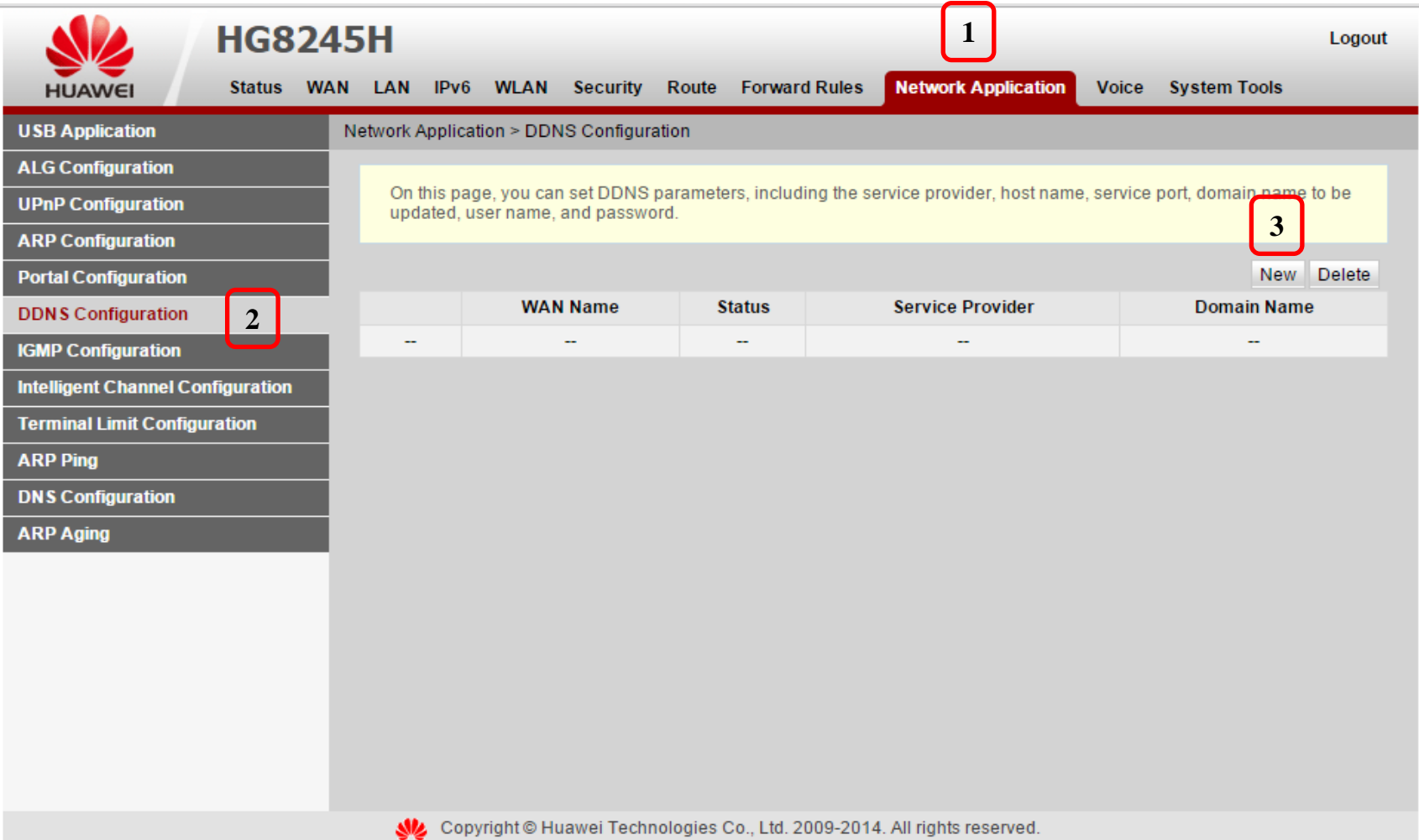
Add

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5.กำหนด Protocol
6.กำหนด Internal Port

7.กำหนด External Port
8. Click ที่ Apply

DDNS Configuration



The screenshot shows the Huawei HG8245H web management interface. At the top, the Huawei logo and model number 'HG8245H' are visible. A navigation bar includes 'Status', 'WAN', 'LAN', 'IPv6', 'WLAN', 'Security', 'Route', 'Forward Rules', 'Network Application', 'Voice', and 'System Tools'. The 'Network Application' menu is highlighted with a red box labeled '1'. On the left sidebar, 'DDNS Configuration' is highlighted with a red box labeled '2'. The main content area shows a yellow instruction box with a red box labeled '3' pointing to the 'New' button. Below the instruction is a table with columns: WAN Name, Status, Service Provider, and Domain Name. The table contains one row with dashes in all cells.

On this page, you can set DDNS parameters, including the service provider, host name, service port, domain name to be updated, user name, and password.

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

Click  Network Application → DDNS Configuration → New

DDNS Configuration

The screenshot shows the DDNS Configuration page on a Huawei HG8245H router. The page title is "Network Application > DDNS Configuration". A yellow instruction box at the top states: "On this page, you can set DDNS parameters, including the service provider, host name, service port, domain name to be updated, user name, and password." Below this is a table with columns: WAN Name, Status, Service Provider, and Domain Name. The configuration form includes the following fields:

- Enable DDNS:
- WAN Name: 2_INTERNET_R_VID_10 (Annotation 1)
- Service Provider: dyndns
- Host Name: members.dyndns.org * (1-255 characters)
- Service Port: 80 * (1-65535)
- Domain Name: TOT.dyndns.biz * (1-255 characters) (Annotation 2)
- User Name: TOT * (1-255 characters) (Annotation 3)
- Password: [masked] * (1-255 characters)

At the bottom of the form are "Apply" and "Cancel" buttons. The "Apply" button is circled with a red box and labeled "4".

1.กำหนด WAN

2.กำหนด Domain name ของลูกค้า

3.กรอก User name และ Password ของลูกค้า

4. Click ที่ Apply

3 June 2008

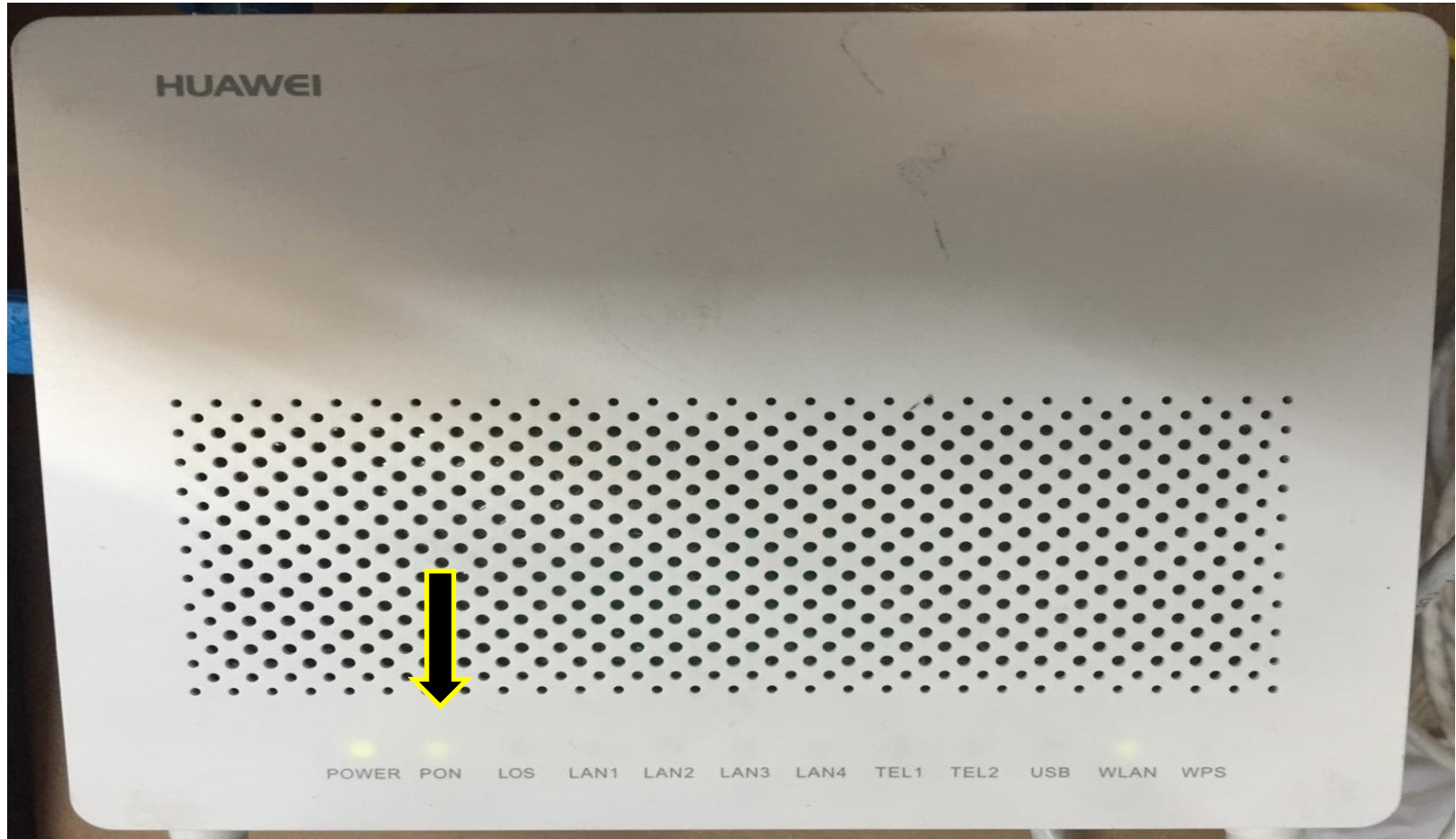
Security Level: internal

Troubleshooting

www.huawei.com

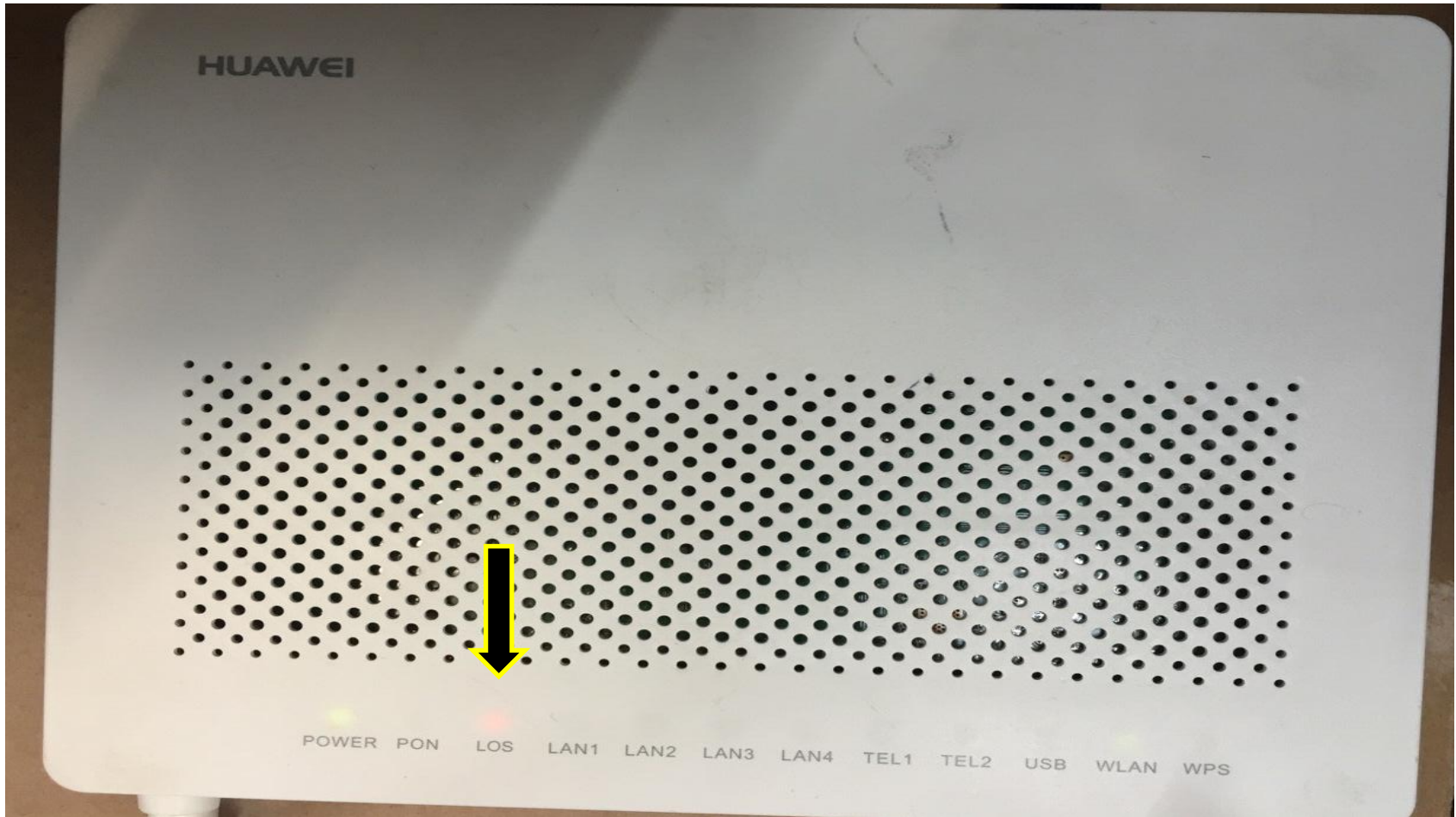


Troubleshooting



Lighting Status

Troubleshooting



Power loss

How to configure HG8245H ?

The screenshot shows the web management interface for a Huawei HG8245H device. The browser address bar shows the URL 192.168.100.1/index.asp. The interface includes a navigation menu with options like WAN, LAN, IPv6, WLAN, Security, Route, Forward Rules, Network Application, Voice, and System Tools. The 'Status' page is active, displaying 'Optical Information'.

Optical Information

	Current Value	Reference Value
Optical Signal Sending Status:	Auto	Auto
TX Optical Power:	2.25 dBm	0.5 to 5 dBm
RX Optical Power:	-12.87 dBm	-27 to -8 dBm
Working Voltage:	3332 mV	3100 to 3500 mV
Bias Current:	13 mA	0 to 90 mA
Working Temperature:	35 °C	-10 to +85 °C

OLT Information

	Current Value	Reference Value
Optical module type:	Class A	--
Transmit optical power:	1173.2 dBm	0 to 4 dBm
PON port identifier:	(0x48575443DCD517)	--

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Click ที่ Status → Optical Information
เพื่อตรวจสอบสถานะของ ONT

How to configure HG8245H ?

The screenshot displays the Huawei HG8245H web management interface. The top navigation bar includes 'Status', 'WAN', 'LAN', 'IPv6', 'WLAN', 'Security', 'Route', 'Forward Rules', 'Network Application', 'Voice', and 'System Tools'. The 'Status' tab is selected, and the 'WAN Information' page is shown. A yellow box contains the text: 'On this page, you can query the connection and line status of the WAN port.' Below this, the 'IPv4 Information' table is highlighted with a red box. The table has the following data:

WAN Name	Connection Status	IP Acquisition Mode	IP Address	Subnet Mask	VLAN/Priority	MAC Address	Connection
2_INTERNET_B_VID_101	Connected	--	--	--	101/0	--	Always
1_INTERNET_R_VID_100	Connected	PPPoE	10.178.128.129	255.255.255.255	100/0	10:51:72:DC:9A:3C	Always

Below the IPv4 table, there is an 'IPv6 Information' table with columns: WAN Name, Connection Status, Prefix Acquisition Mode, Prefix, VLAN/Priority, and MAC Address. The data row shows dashes for all values. Below that is another table with columns: WAN Name, IP Acquisition Mode, IP Address, and IP Address Status, also showing dashes for all values.

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Click  Status → WAN Information

Thank you