



# HiGuard **W**

快速安裝手冊  
**QUICK**  
INSTALLATION  
**GUIDE**

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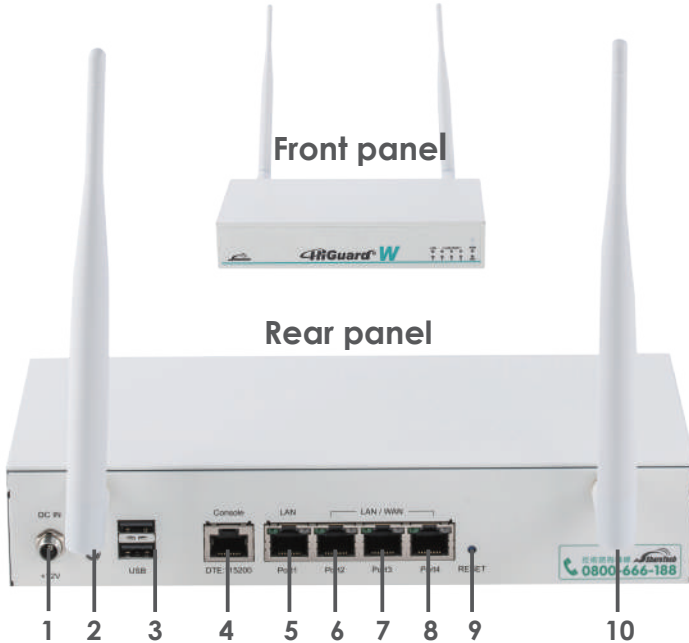
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# English QIG (Quick Install Guide)

## I. Hardware Installation

### 1. Appearance

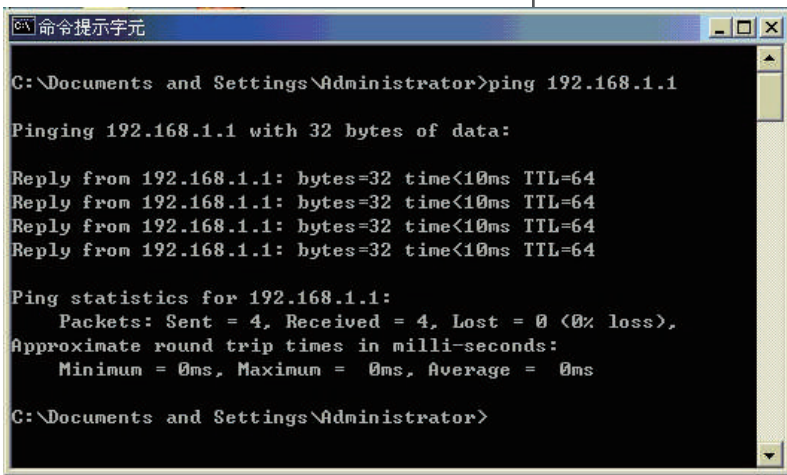
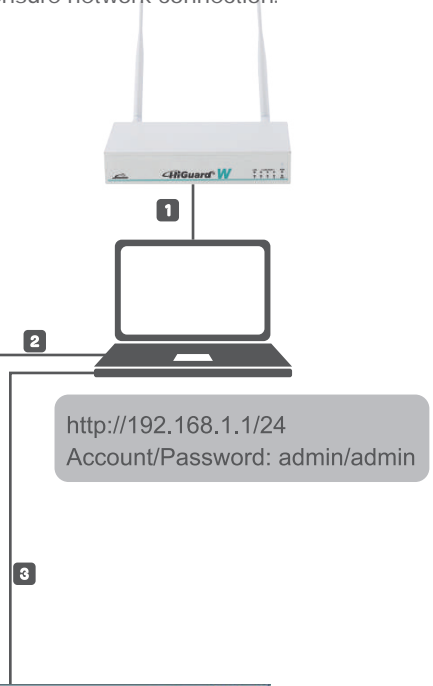
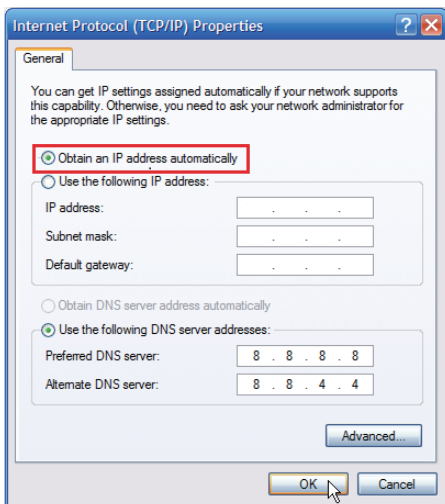


## Interfaces

1. Power Connection 100-240V AC, 50-60Hz adapter
2. Power Button In red color when power off; in blue color when power on.
3. USB ports USB 2.0 performs an instant recovery using USB sticks during system suspend. Wireless 3G, 4G/LTE are supported to offer uninterrupted WAN connectivity.
4. Console Port For inspecting settings remotely.
5. LAN port Gigabit Ethernet LAN port that connects to the intranet
6. Port 2 (Custom port) Gigabit Ethernet WAN/LAN-PHY Flexible Interface
7. Port 3 (Custom port) Gigabit Ethernet WAN/LAN-PHY Flexible Interface
8. Port 4 (Custom port) Gigabit Ethernet WAN/LAN-PHY Flexible Interface
9. RESET Using a pointed object, press the button on the steadily for 15 seconds and then release it.
10. Antennas A dual-band dipole antenna for the 2.4 GHz and 5 GHz bands.

## 2. Deployment

1. Please make sure you fasten two wireless ISP radio antennas to HiGuard W.
2. Connect one end of the RJ45 Ethernet Cable to the LAN port on the back panel of HiGuard W and the other end to a laptop/computer.
3. Configure a LAN with DHCP and you will obtain 192.168.1.x/24(IP segment) automatically.
4. After getting the IP, ping 192.168.1.1 to ensure network connection.



## II. System Setting

### Easy system configuration steps

#### STEP 1

#### Start Browser

- <https://192.168.1.1>
- Acct./PW :admin / admin
- Select a preferred language

#### STEP 2

#### Setup Wizard

- Setup LAN
- Setup WAN
- Setup WiFi
- URL Blacklist
- Security Setting
- Mail Management

## STEP 1. Start Browser (Chrome)

1.1 Open the web browser and enter **https://192.168.1.1** in the address bar.



1.2 Enter login Account / Password

Chrome will pop up for authentication, please enter **admin** (account) / **admin** (password) to log in. And select a preferred language for interfaces, currently available in English/ Traditional Chinese / Simplified Chinese.



**Higuard W**

帳號  
admin

密碼  
.....

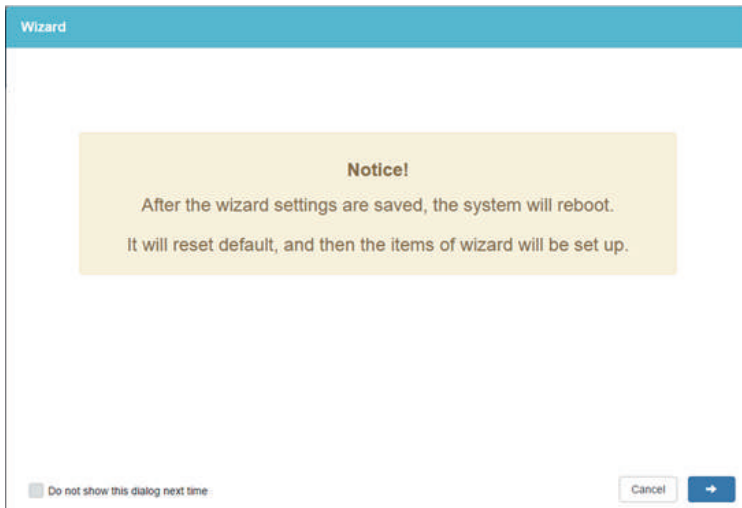
記住登入帳號

繁體中文 ▼

系統登入

1.3 Login completed. The wizard will automatically pop up to guide you through the configuration.

**NOTE:** A step-by-step wizard will wipe all your data and settings before saving new settings.



## STEP2. Setup Wizard

### 2.1 Setup LAN

Please enter your IP address and Subnet mask .

The screenshot shows the 'STEP 1 - Network Interface LAN' configuration screen. At the top, a progress bar indicates seven steps: 1. LAN (selected), 2. WAN, 3. WiFi, 4. URL Blacklists, 5. Security Settings, 6. Mail Management, and 7. Setup Completed.

The 'LAN' configuration section includes the following fields:

- Enable:  STATIC
- Name: LAN
- IP address: 192.168.1.1
- Subnet mask: 255.255.255.0
- DHCP Server:
- Server IP Start Address: 192.168.1.2
- Server IP End Address: 192.168.1.100
- Default Gateway: 192.168.1.1
- DNS 1: 168.95.1.1
- DNS 2: 168.55.192.1

At the bottom right, there are 'Cancel', 'Previous' (left arrow), and 'Next' (right arrow) buttons.

## 2.2 Setup WAN

Administrators can click on the drop-down arrow to select preferred connection methods. One WAN port must be enabled to proceed.

**STATIC:** IP address, subnet mask, and default gateway are required to configure WAN setting. The default gateway is 255.255.255.0

**DHCP:** A connection method that IP address is assigned by a router/switch in the perimeter. IP address, subnet mask, and default gateway are not required.

**PPPOE:** DSL providers typically use this option. Please enter the account and password provided by your ISP to gain access to the Internet. If your ISP provides you a set IP address, you are able to select STATIC.

STEP 2 - Network Interface WAN

1 LAN 2 WAN 3 WiFi 4 DHCP (disabled) 5 Security Settings 6 Mail Management 7 Setup Completed

WAN1 WAN2

Enable: STATIC

Name: WAN1

IP address: 192.168.166.99

Subnet mask: 255.255.255.0

Default gateway: 192.168.166.1

Detect before saving:

Management IP:

Cancel Previous Next

## 2.3 Setup WiFi

Select Country, Frequency Band and Network mode. Type in a network name in SSID and determine it to be hidden or not. Choose security type and enter password.

STEP 3 - Network Interface WiFi

1 LAN 2 WAN 3 WiFi 4 DHCP (disabled) 5 Security Settings 6 Mail Management 7 Setup Completed

WiFi Setting

Country: TW

Frequency Band: 2.4 GHz

Network mode: 802.11 g/n mixed

WiFi SSID: ON

SSID: HqairmW\_SSID1 (1-32 characters) Hide SSID: OFF

Bridge:  LAN  OFF

Security type: WPA2\_PSK AES

Network security key: (8-63 characters) SHOW

Cancel Previous Next



## 2.4 Setup URL Blacklists

URL Blacklist is switched off by default. Administrators can enable the function, select match level, enter blacklisted URL or IP, or select default categories.

**STEP 4 - Uri blacklists**

1 LAN 2 WAN 3 WiFi 4 **URL Blacklists** 5 Security Settings 6 Mail Management 7 Setup Completed

Setting

URL Blacklist  OFF

Match Mode  Exact  Fuzzy

URL Blacklist

IPv4 IP Blacklist

Default List

<input type="checkbox"/> Aggressive	<input type="checkbox"/> Audio-video	<input type="checkbox"/> Drugs
<input type="checkbox"/> Gambling	<input type="checkbox"/> Hacking	<input type="checkbox"/> Porn
<input type="checkbox"/> Proxy	<input type="checkbox"/> Redirector	<input type="checkbox"/> Spyware
<input type="checkbox"/> Suspect	<input type="checkbox"/> Warez	

Cancel

## 2.5 Setup Security Settings

Security settings are switched on by default. Administrators can select actions taken on detected anomalies.

**STEP 5 - Security settings**

1 LAN 2 WAN 3 WiFi 4 URL Blacklists 5 **Security Settings** 6 Mail Management 7 Setup Completed

Firewall Protection

Firewall protection  ON

Anomaly Detection

Log  Notify  Block

SMTP

Recipient

Blocking actions   minute(s)

Intranet Protection

Collision detection : IP  ON

Collision detection : MAC  ON

Cancel

## 2.6 Setup Mail Management

Filtering log and anti-virus are switched on by default. Administrators can choose manually to switch off if it is not required.

**STEP 6 - Email management**

1 LAN 2 WAN 3 WIFI 4 URI Blacklists 5 Security Settings 6 Mail Management 7 Setup Completed

Filter Log Filter log  ON

Anti-Virus Anti-virus  ON

Cancel

## 2.7 Setup Completed

To save your configuration settings, click the Save button in the lower right corner. Please wait for the Setup Wizard to finish. This could take up to 120 seconds.

**STEP 7 - Setup Completed**

1 LAN 2 WAN 3 WIFI 4 URI Blacklists 5 Security Settings 6 Mail Management 7 Setup Completed

List

LAN Enable : STATIC IP : 192.168.1.1 / 255.255.255.0

WAN1 Enable : STATIC IP : 192.168.186.99 / 255.255.255.0 Default gateway : 192.168.186.1

WAN2 Enable : PPPOE Account : 76138012@hinet.net

WIFI Enable : ON SSID : HiguardW\_\$\$SID1 Bridge : LAN

Uri blacklists OFF

Security settings Firewall Protection : ON

Anomaly Detection : Log ON Notify OFF Block OFF

Intranet Protection : Collision detection : IP ON Collision detection : MAC ON

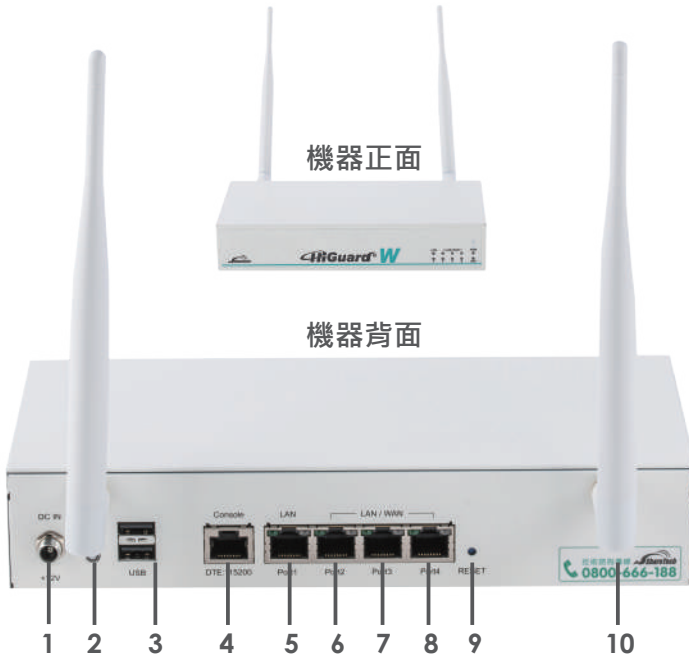
Email management Filter Log ON Anti-Virus ON

Do not show this dialog next time

Cancel

# 繁體版 快速安裝指引

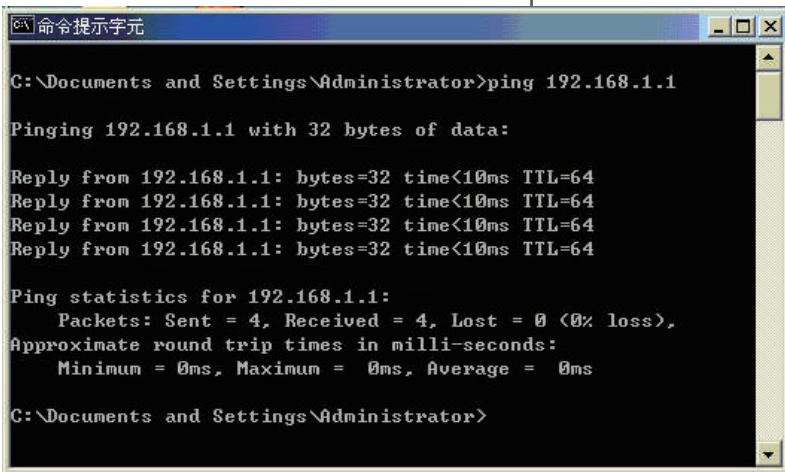
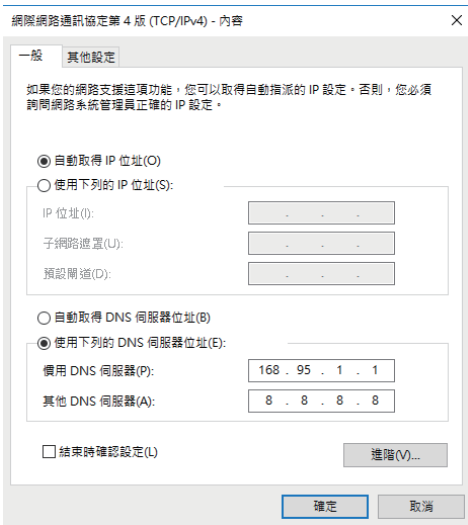
## 一、產品外觀



- 1.電源連接埠 100-240V AC, 50-60Hz 變壓器。
- 2.電源鍵 當設備為關機狀態時亮紅色燈，為開機狀態時亮藍燈。
- 3.USB埠 當設備發生意外狀況導致無法正常運作，可透過USB裝置進行設定檔快速復原。可外接無線3G/4G USB，提供有線/無線即時備援與負載平衡機制。
- 4.Console埠 主要用途為查看系統內部網路介面設定。
- 5.LAN 埠 內部網路介面，將企業內部的網路連結在此網路面。
- 6.Port 2自定義埠 使用者可以自行定義 WAN或LAN。
- 7.Port 3自定義埠 使用者可以自行定義 WAN或LAN。
- 8.Port 4自定義埠 使用者可以自行定義 WAN或LAN。
- 9.RESET 利用小型的針狀物長按15秒按鈕後，設備會重開機。
- 10.無線天線 可支援2.4GHz及5GHz雙頻的天線。

## 2. 硬體連接設定

1. 將二支天線旋上 HiGuard W，確保天線已旋緊於設備上。
2. 使用 RJ45 網路線，將筆電或電腦連接於HiGuard W的LAN 網路埠上。
3. 電腦區域網路設定成 DHCP 模式，即可自動取得 192.168.1.x/24 同網段 IP。
4. IP 取得後，於設定電腦上 Ping 192.168.1.1。



## 二、系統設定

### 簡易系統設定步驟

#### STEP 1

#### 開啟瀏覽器

- IP : 192.168.1.1
- 帳號/密碼 : admin / admin
- 選擇介面語系

#### STEP 2

#### 設定安裝精靈

- LAN 設定
- WAN 設定
- WiFi 設定
- URL 黑名單設定
- 防護設定
- 郵件管理設定

## STEP 1. 開啟瀏覽器 (Chrome)

### 1.1 輸入遠端登入網址

打開Chrome 瀏覽器，於網址輸入 **https://192.168.1.1**



### 1.2 輸入登入帳號/密碼

在彈出的Chrome視窗再次輸入 **admin** (帳號) / **admin** (密碼) 後點選「系統登入」。並選擇介面語系，目前支援英語、繁體中文、簡體中文三種語系。



**Higuard W**

帳號  
admin

密碼  
.....

記住登入帳號

繁體中文 ▼

系統登入

1.3 登入管理者介面後，將自動開啟安裝精靈，引導管理者完成設定流程。

註: 注意安裝精靈會先清除目前資料，再儲存新設定。



## STEP2. 設定安裝精靈

管理者請按下下方右鍵按鈕，進行下一個安裝精靈步驟。

### 2.1 LAN 設定

請輸入IP 位址與網路遮罩。



## 2.2 WAN 設定

請按下箭頭選擇所需的連線模式，至少設定一個WAN才可繼續安裝精靈流程。

【**STATIC**】需自訂IP位址、網路遮罩和閘道，預設網路遮罩255.255.255.0

【**DHCP**】由上端設備主動配發，不需要設定IP位址、網路遮罩和閘道。

【**PPPOE撥接**】由電信業者主動配發，不需要設定IP位址、網路遮罩和閘道。如果配發的是固定IP，也可先選STATIC。

The screenshot shows the 'STEP 2 - 網路介面設置 WAN' (Step 2 - Network Interface Setup WAN) page. It features a progress bar at the top with steps: 1 LAN, 2 WAN, 3 WiFi, 4 URL Blacklist, 5 Security Settings, 6 Mail Management, and 7 Setup Completed. The 'WAN1' tab is active. The configuration includes a dropdown menu for '應用' (Application) set to 'STATIC', a name field '名稱' (Name) set to 'WAN1', an IP address field 'IP位址' (IP Address) with '192.168.196.99', a subnet mask field '網路遮罩' (Subnet Mask) with '255.255.255.0', and a gateway field '預設閘道' (Default Gateway) with '192.168.196.1'. There are checkboxes for '儲存前檢查連線' (Save and check connection) and '管理 IP' (Manage IP), both of which are checked. At the bottom right, there are buttons for '完成' (Done), a left arrow, and a right arrow.

## 2.3 WiFi設定

選擇國家、頻帶、網路模式，並輸入SSID名稱。SSID可以選擇是否隱藏。選擇安全模式並輸入密碼

The screenshot shows the 'STEP 3 - 網路介面設置 WiFi' (Step 3 - Network Interface Setup WiFi) page. It features a progress bar at the top with steps: 1 LAN, 2 WAN, 3 WiFi, 4 URL Blacklist, 5 Security Settings, 6 Mail Management, and 7 Setup Completed. The '無線網路設定' (Wireless Network Setup) section is expanded. The configuration includes a dropdown for '國家' (Country) set to 'TW', a dropdown for '頻帶' (Band) set to '2.4 GHz', and a dropdown for '網路模式' (Network Mode) set to '802.11 g/n mixed'. There is a '無線網路 SSID' (Wireless Network SSID) dropdown set to 'ON'. The '無線網路 SSID 名稱 (SSID)' (Wireless Network SSID Name) field contains 'HguardW\_@SID1' with a note '(1-32位一般字元)'. The '隱藏 SSID' (Hide SSID) checkbox is set to 'OFF'. The 'Bridge' section has radio buttons for 'LAN' (selected) and 'OFF'. The '安全模式' (Security Mode) dropdown is set to 'WPA2\_PSK' and the encryption dropdown is set to 'AES'. The 'WPA 金鑰' (WPA Key) field contains '\*\*\*\*\*' with a note '(8-63位一般字元)'. A 'SHOW' button is next to the key field. At the bottom right, there are buttons for '完成' (Done), a left arrow, and a right arrow.



## 2.4 URL 黑名單設定

預設關閉，管理者可依照需求開啟此功能，選擇比對模式、輸入URL 或 IP黑名單，或勾選預設黑名單進行管理。

**STEP 4 - URL 黑名單設定**

1 LAN 2 WAN 3 WiFi 4 URL Blacklists 5 Security Settings 6 Mail Management 7 Setup Completed

設定

URL 黑名單  OFF

比對模式  完整  模糊

URL 黑名單

IPv4 IP 黑名單

預設名單

<input type="checkbox"/> 語言暴力	<input type="checkbox"/> 線上影音	<input type="checkbox"/> 藥品
<input type="checkbox"/> 賭博	<input type="checkbox"/> 駭客	<input type="checkbox"/> 成人網站
<input type="checkbox"/> 代理伺服器	<input type="checkbox"/> 轉賣	<input type="checkbox"/> 後門程式
<input type="checkbox"/> 不信任網站	<input type="checkbox"/> 非法盜版	

取消 返回 前進

## 2.5 防護設定

預設開啟，管理者可依照需求對於異常IP進行紀錄、通知或阻擋。

**STEP 5 - 防護設定**

1 LAN 2 WAN 3 WiFi 4 URL Blacklists 5 Security Settings 6 Mail Management 7 Setup Completed

防火牆功能

防火牆功能設定  ON

異常IP分析

異常IP分析  記錄  通知  阻擋

SMTP

Mail server  顯示狀態  OFF TLS  OFF

收件者

阻擋動作   分

內網防護

偽造者偵測: IP  ON

偽造者偵測: MAC  ON

取消 返回 前進

## 2.6 郵件管理設定

預設開啟，管理者可依照需求選擇是否關閉。



## 2.7 設定完成

最後顯示設定清單，確認後請按下儲存鍵，請稍後120秒，安裝精靈將儲存此設定。

