

# 在無線接入點上配置IPv4和IPv6

## 目標

Internet協定第4版(IPv4)是常用的IP編址形式，用於標識網路中的主機，並使用32位格式。Internet協定第6版(IPv6)是旨在取代IPv4格式的下一代IP地址標準。IPv6使用128位編址來解決IPv4中使用的32位編址問題。

此配置有助於通過動態主機配置協定(DHCP)或手動分配IP地址。預設情況下，WAP通過廣播自動請求網路資訊。如果網路中沒有DHCP伺服器，則使用預設IP地址。如果要使用靜態IP地址，必須禁用DHCP客戶端並手動分配IP地址和其他網路資訊。

本文檔的目標是在無線接入點裝置上配置IPv4和IPv6設定。

## 適用裝置

- WAP100系列
- WAP300系列
- WAP500系列

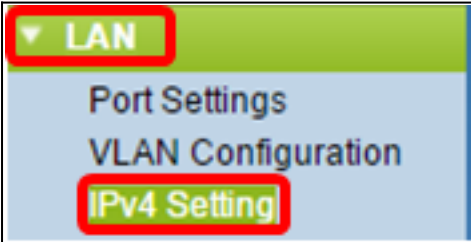

## 軟體版本

- 1.0.1.4 - WAP131、WAP351
- 1.0.6.2 - WAP121、WAP321
- 1.2.1.3 - WAP371、WAP551、WAP561
- 1.0.1.2 - WAP150、WAP361
- 1.0.0.17 - WAP571、WAP571E

## 配置IPv4

### 配置IPv4 DHCP

步驟1. 登入到基於Web的實用程式，然後根據您的WAP型號選擇LAN > IPv4 Settings或LAN > VLAN和IPv4地址。

WAP131、WAP150、WAP351、WAP361、WAP571、WAP571E	WAP121、WAP321、WAP371、WAP551、WAP561
	

步驟2. 在Connection Type區域中，按一下DHCP單選按鈕以自動獲取IP地址。預設情況下選擇此設定。

## IPv4 Setting

Connection Type:  DHCP  Static IP

Static IP Address: 192 . 168 . 1 . 245

Subnet Mask: 255 . 255 . 255 . 0

Default Gateway: 192 . 168 . 1 . 1

Domain Name Servers:  Dynamic  Manual

.  .  .

.  .  .

Save

步驟3.從域名伺服器單選按鈕選擇您的首選DNS配置。DNS是一種協定，通過將域名轉換為裝置各自的IP地址，可幫助裝置通過Internet連線其他電腦和專用網路。

附註：如果啟用DHCP，則DNS配置是可選的。

### IPv4 Setting

Connection Type:  DHCP  
 Static IP

Static IP Address: 192 . 168 . 1 . 245

Subnet Mask: 255 . 255 . 255 . 0

Default Gateway: 192 . 168 . 1 . 1

Domain Name Servers:  Dynamic  
 Manual

.  .  .

.  .  .

可用選項定義如下：

**動態** — WAP從區域網(LAN)上的DHCP伺服器獲取域名伺服器(DNS)地址。如果選擇此選項，請跳至[步驟4](#)。

**手動** — 允許您在**域名伺服器(Domain Name Servers)**欄位中手動配置一個或多個DNS伺服器地址。

[步驟4](#). 按一下「Save」。

### 配置靜態IPv4地址

步驟1. 按一下靜態IP的單選按鈕。

**IPv4 Settings**

Connection Type:  DHCP  
 Static IP

Static IP Address: 192 . 168 . 2 . 251

Subnet Mask: 255 . 255 . 255 . 0

Default Gateway: 192 . 168 . 2 . 1

Domain Name Servers:  Dynamic  
 Manual

10. . 10. . 10. . 1

12. . 10. . 10. . 1

步驟2. 在靜態IP地址欄位中輸入接入點的IP地址。該IP地址應是唯一的，且尚未分配給同一網路中的任何其他裝置。

**IPv4 Settings**

Connection Type:  DHCP  
 Static IP

Static IP Address: 192 . 168 . 2 . 251

Subnet Mask: 255 . 255 . 255 . 0

Default Gateway: 192 . 168 . 2 . 1

Domain Name Servers:  Dynamic  
 Manual

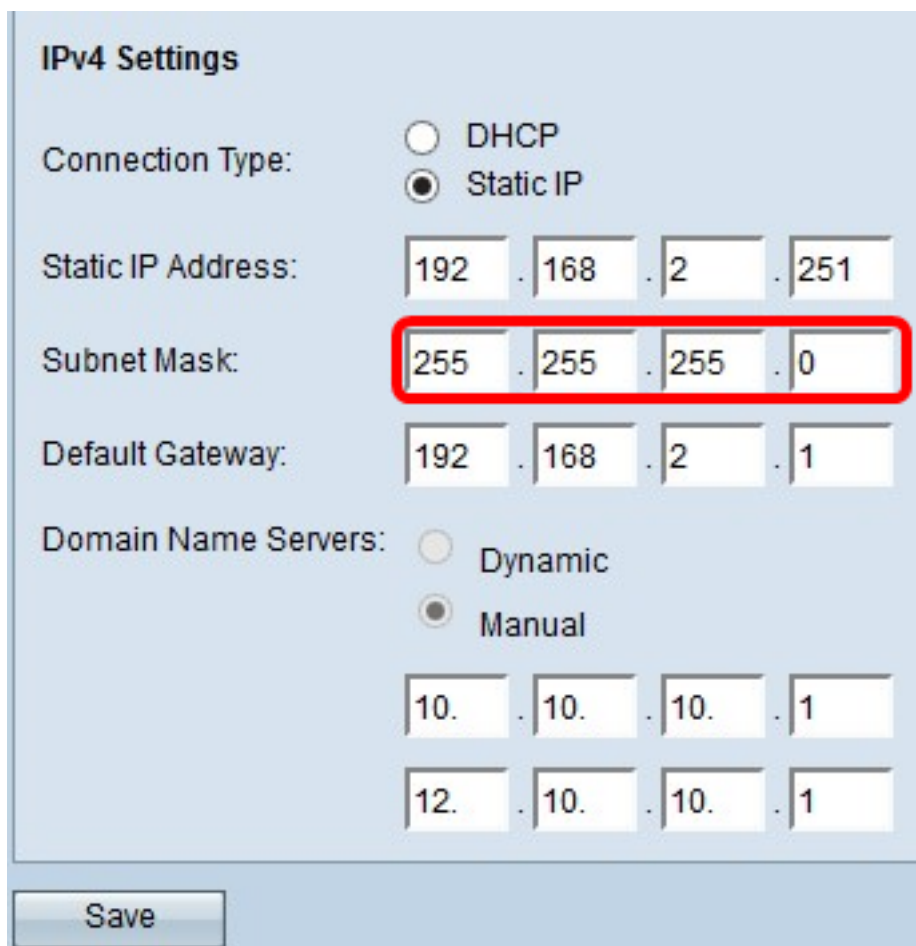
10. . 10. . 10. . 1

12. . 10. . 10. . 1

Save

步驟3. 在Subnet Mask欄位中輸入網路的子網掩碼。預設掩碼取決於您選擇的IP地址類別或您用於網路的子網數量。

附註：預設掩碼為255.255.255.0



The image shows a screenshot of the IPv4 Settings window in Windows. The window is titled "IPv4 Settings" and contains the following fields and options:

- Connection Type:** Radio buttons for "DHCP" (unselected) and "Static IP" (selected).
- Static IP Address:** Four input boxes containing the values 192, 168, 2, and 251, separated by dots.
- Subnet Mask:** Four input boxes containing the values 255, 255, 255, and 0, separated by dots. This row is highlighted with a red rectangular border.
- Default Gateway:** Four input boxes containing the values 192, 168, 2, and 1, separated by dots.
- Domain Name Servers:** Radio buttons for "Dynamic" (unselected) and "Manual" (selected). Below this are two rows of input boxes for DNS servers:
  - Row 1: 10, 10, 10, 1
  - Row 2: 12, 10, 10, 1

At the bottom of the window is a "Save" button.

步驟4.在*Default Gateway*欄位中輸入預設閘道IP位址。預設網關是當IP地址與路由表中的路由不匹配時使用的電腦節點。然後它會相應地轉發流量。此裝置通常是路由器。若要瞭解如何使用Windows命令提示符查詢連線的裝置的預設網關IP地址，請按一下[此處](#)。

**IPv4 Settings**

Connection Type:  DHCP  
 Static IP

Static IP Address: 192 . 168 . 2 . 251

Subnet Mask: 255 . 255 . 255 . 0

Default Gateway: 192 . 168 . 2 . 1

Domain Name Servers:  Dynamic  
 Manual

10. . 10. . 10. . 1

12. . 10. . 10. . 1

Save

步驟5.在 *Domain Name Server* 欄位中輸入DNS的IP地址。DNS是一種協定，通過將域名轉換為裝置各自的IP地址，可幫助裝置通過Internet連線其他電腦和專用網路。

**附註：**還可以在提供的其他欄位中新增其他DNS伺服器IP地址，但它是可選的。如果其中一個伺服器關閉或不可用，則擁有兩個DNS伺服器會很有用。

**IPv4 Settings**

Connection Type:  DHCP  
 Static IP

Static IP Address: 192 . 168 . 2 . 251

Subnet Mask: 255 . 255 . 255 . 0

Default Gateway: 192 . 168 . 2 . 1

Domain Name Servers:  Dynamic  
 Manual

10. . 10. . 10. . 1

12. . 10. . 10. . 1

Save

步驟6.按一下「Save」。

**IPv4 Settings**

Connection Type:  DHCP  
 Static IP

Static IP Address: 192 . 168 . 2 . 251

Subnet Mask: 255 . 255 . 255 . 0

Default Gateway: 192 . 168 . 2 . 1

Domain Name Servers:  Dynamic  
 Manual

10. . 10. . 10. . 1

12. . 10. . 10. . 1

Save

步驟7.如果您以前預配置了設定，則會出現一個彈出視窗，確認無線設定即將更新且可能發生斷開連線。按一下「OK」(確定)。

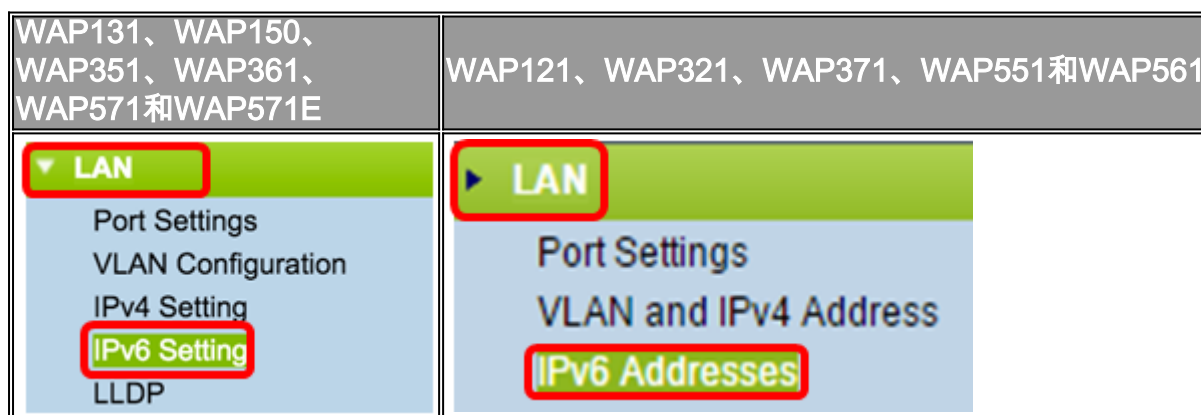


您現在應該靜態配置了IPv4地址。

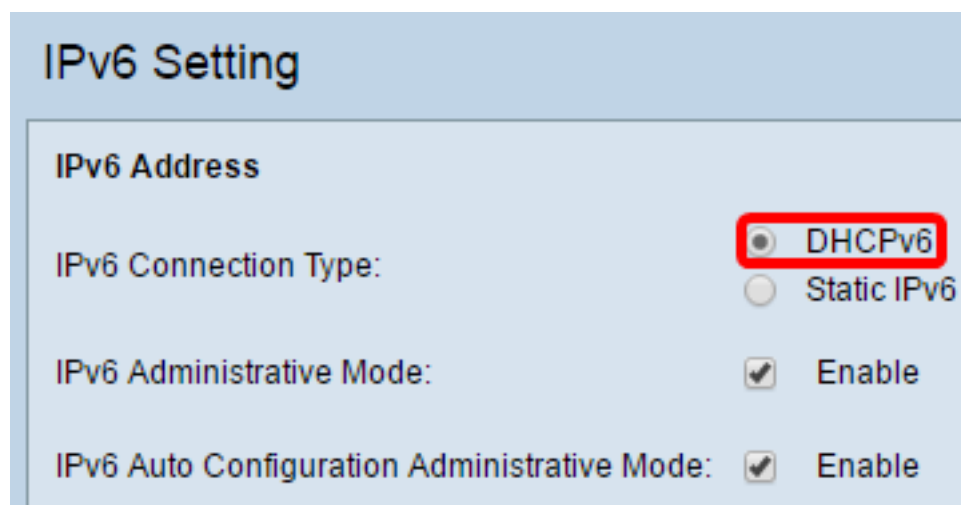
## 配置IPv6

### 配置IPv6 DHCP

步驟1.登入到基於Web的實用程式，然後選擇LAN > IPv6設定或LAN > IPv6地址。



步驟2.按一下DHCPv6作為IPv6連線型別。IPv6連線型別告知裝置如何獲取IPv6地址。



步驟3.要允許對接入點的IPv6管理訪問，請選中Enable IPv6 Administrative Mode覈取方塊。



## IPv6 Addresses

IPv6 Connection Type:	<input checked="" type="radio"/> DHCPv6
	<input type="radio"/> Static IPv6
IPv6 Administrative Mode:	<input checked="" type="checkbox"/> Enable
IPv6 Auto Configuration Administrative Mode:	<input checked="" type="checkbox"/> Enable
Static IPv6 Address:	<input type="text" value="::"/>
Static IPv6 Address Prefix Length:	<input type="text" value="0"/> (Range: 0 - 128, Default: 0)
Static IPv6 Address Status:	
IPv6 Autoconfigured Global Addresses:	
IPv6 Link Local Address:	fe80::ceef:48ff:fe87:4970/64
Default IPv6 Gateway:	<input type="text" value="::"/>
IPv6 Domain Name Servers:	<input checked="" type="radio"/> Dynamic
	<input type="radio"/> Manual
	<input type="text" value="::"/>
	<input type="text" value="::"/>

步驟4.要通過LAN埠上接收的路由器通告瞭解其IPv6地址和網關，請選中**Enable IPv6 Auto Configuration Administrative Mode**竅取方塊。接入點可以有多个自動配置的IPv6地址。

## IPv6 Addresses

IPv6 Connection Type:	<input checked="" type="radio"/> DHCPv6
	<input type="radio"/> Static IPv6
IPv6 Administrative Mode:	<input checked="" type="checkbox"/> Enable
IPv6 Auto Configuration Administrative Mode:	<input checked="" type="checkbox"/> Enable
Static IPv6 Address:	<input type="text" value="..."/>
Static IPv6 Address Prefix Length:	<input type="text" value="0"/> (Range: 0 - 128, Default: 0)
Static IPv6 Address Status:	
IPv6 Autoconfigured Global Addresses:	
IPv6 Link Local Address:	fe80::ceef:48ff:fe87:4970/64
Default IPv6 Gateway:	<input type="text" value="..."/>
IPv6 Domain Name Servers:	<input checked="" type="radio"/> Dynamic
	<input type="radio"/> Manual
	<input type="text" value="..."/>
	<input type="text" value="..."/>

Save

步驟5.按一下Save。

## IPv6 Addresses

IPv6 Connection Type:	<input checked="" type="radio"/> DHCPv6 <input type="radio"/> Static IPv6
IPv6 Administrative Mode:	<input checked="" type="checkbox"/> Enable
IPv6 Auto Configuration Administrative Mode:	<input checked="" type="checkbox"/> Enable
Static IPv6 Address:	<input type="text" value="::"/>
Static IPv6 Address Prefix Length:	<input type="text" value="0"/> (Range: 0 - 128, Default: 0)
Static IPv6 Address Status:	
IPv6 Autoconfigured Global Addresses:	
IPv6 Link Local Address:	fe80::ceef:48ff:fe87:4970/64
Default IPv6 Gateway:	<input type="text" value="::"/>
IPv6 Domain Name Servers:	<input checked="" type="radio"/> Dynamic <input type="radio"/> Manual
	<input type="text" value="::"/> <input type="text" value="::"/>
	<input type="text" value="::"/> <input type="text" value="::"/>

### 配置靜態IPv6地址

步驟1. 按一下靜態IPv6作為IPv6連線型別，手動為接入點分配IPv6地址。

## IPv6 Addresses

IPv6 Connection Type:	<input type="radio"/> DHCPv6
	<input checked="" type="radio"/> Static IPv6
IPv6 Administrative Mode:	<input checked="" type="checkbox"/> Enable
IPv6 Auto Configuration Administrative Mode:	<input checked="" type="checkbox"/> Enable
Static IPv6 Address:	<input type="text" value="2001:DB8:0:ABCD::1"/>
Static IPv6 Address Prefix Length:	<input type="text" value="48"/> (Range: 0 - 128, Default: 0)
Static IPv6 Address Status:	
IPv6 Autoconfigured Global Addresses:	
IPv6 Link Local Address:	fe80::ceef:48ff:fe87:4970/64
Default IPv6 Gateway:	<input type="text" value="2001:DB8:0:0:E000::F/64"/>
IPv6 Domain Name Servers:	<input type="radio"/> Dynamic
	<input checked="" type="radio"/> Manual
	<input type="text"/>
	<input type="text"/>

步驟2.選中IPv6管理模式竅取方塊以啟用IPv6管理訪問。這允許通過IPv6地址訪問裝置管理介面。

IPv6 Connection Type:	<input type="radio"/> DHCPv6
	<input checked="" type="radio"/> Static IPv6
IPv6 Administrative Mode:	<input checked="" type="checkbox"/> Enable
IPv6 Auto Configuration Administrative Mode:	<input checked="" type="checkbox"/> Enable

步驟3.選中IPv6 Auto Configuration Administrative Mode竅取方塊以在裝置上啟用IPv6自動地址配置。預設情況下啟用。

IPv6 Connection Type:	<input type="radio"/> DHCPv6
	<input checked="" type="radio"/> Static IPv6
IPv6 Administrative Mode:	<input checked="" type="checkbox"/> Enable
IPv6 Auto Configuration Administrative Mode:	<input checked="" type="checkbox"/> Enable

步驟4.在 *Static IPv6 Address* (靜態IPv6地址) 欄位中輸入接入點的IPv6地址。這是唯一的IPv6地址，網路中任何其他裝置都不應使用它。這是一個全域性可路由IPv6地址。

### IPv6 Addresses

IPv6 Connection Type:	<input type="radio"/> DHCPv6
	<input checked="" type="radio"/> Static IPv6
IPv6 Administrative Mode:	<input checked="" type="checkbox"/> Enable
IPv6 Auto Configuration Administrative Mode:	<input checked="" type="checkbox"/> Enable
Static IPv6 Address:	<input type="text" value="2001:DB8:0:ABCD::1"/>
Static IPv6 Address Prefix Length:	<input type="text" value="48"/> (Range: 0 - 128, Default: 0)
Static IPv6 Address Status:	
IPv6 Autoconfigured Global Addresses:	
IPv6 Link Local Address:	fe80::ceef:48ff:fe87:4970/64
Default IPv6 Gateway:	<input type="text" value="2001:DB8:0:0:E000::F/64"/>
IPv6 Domain Name Servers:	<input type="radio"/> Dynamic
	<input checked="" type="radio"/> Manual
	<input type="text"/>
	<input type="text"/>

步驟5.在 *Static IPv6 Address Prefix Length* 欄位中輸入靜態地址的字首長度。字首長度是一個介於0到128之間的整數，它指定IPv6 IP地址的網路部分。在本示例中，使用48。

附註：這類似於IPv4中的子網掩碼。預設字首長度為0。

## IPv6 Addresses

IPv6 Connection Type:	<input type="radio"/> DHCPv6
	<input checked="" type="radio"/> Static IPv6
IPv6 Administrative Mode:	<input checked="" type="checkbox"/> Enable
IPv6 Auto Configuration Administrative Mode:	<input checked="" type="checkbox"/> Enable
Static IPv6 Address:	<input type="text" value="2001:DB8:0:ABCD::1"/>
Static IPv6 Address Prefix Length:	<input type="text" value="48"/> (Range: 0 - 128, Default: 0)
Static IPv6 Address Status:	
IPv6 Autoconfigured Global Addresses:	
IPv6 Link Local Address:	fe80::ceef:48ff:fe87:4970/64
Default IPv6 Gateway:	<input type="text" value="2001:DB8:0:0:E000::F/64"/>
IPv6 Domain Name Servers:	<input type="radio"/> Dynamic
	<input checked="" type="radio"/> Manual
	<input type="text"/>
	<input type="text"/>

步驟6.在*Default IPv6 Gateway*欄位中輸入預設網關的IPv6地址。

## IPv6 Addresses

IPv6 Connection Type:	<input type="radio"/> DHCPv6
	<input checked="" type="radio"/> Static IPv6
IPv6 Administrative Mode:	<input checked="" type="checkbox"/> Enable
IPv6 Auto Configuration Administrative Mode:	<input checked="" type="checkbox"/> Enable
Static IPv6 Address:	<input type="text" value="2001:DB8:0:ABCD::1"/>
Static IPv6 Address Prefix Length:	<input type="text" value="48"/> (Range: 0 - 128, Default: 0)
Static IPv6 Address Status:	
IPv6 Autoconfigured Global Addresses:	
IPv6 Link Local Address:	fe80::ceef:48ff:fe87:4970/64
Default IPv6 Gateway:	<input type="text" value="2001:DB8:0:0:E000::F/64"/>
IPv6 Domain Name Servers:	<input type="radio"/> Dynamic
	<input checked="" type="radio"/> Manual
	<input type="text"/>
	<input type="text"/>

Save

步驟7.在「IPv6域名伺服器」欄位中輸入IPv6 DNS服務器地址。

## IPv6 Addresses

IPv6 Connection Type:	<input type="radio"/> DHCPv6
	<input checked="" type="radio"/> Static IPv6
IPv6 Administrative Mode:	<input checked="" type="checkbox"/> Enable
IPv6 Auto Configuration Administrative Mode:	<input checked="" type="checkbox"/> Enable
Static IPv6 Address:	<input type="text" value="2001:DB8:0:ABCD::1"/>
Static IPv6 Address Prefix Length:	<input type="text" value="48"/> (Range: 0 - 128, Default: 0)
Static IPv6 Address Status:	
IPv6 Autoconfigured Global Addresses:	
IPv6 Link Local Address:	fe80::ceef:48ff:fe87:4970/64
Default IPv6 Gateway:	<input type="text" value="2001:DB8:0:0:E000::F/64"/>
IPv6 Domain Name Servers:	<input type="radio"/> Dynamic
	<input checked="" type="radio"/> Manual
	<input type="text" value="2001:DB8:0:1:FFFF:1234::5/64"/>
	<input type="text" value="2001:DB8:0:1:FFFF:5678:5/64"/>

Save

步驟8.按一下「Save」。



## IPv6 Addresses

IPv6 Connection Type:	<input type="radio"/> DHCPv6
	<input checked="" type="radio"/> Static IPv6
IPv6 Administrative Mode:	<input checked="" type="checkbox"/> Enable
IPv6 Auto Configuration Administrative Mode:	<input checked="" type="checkbox"/> Enable
Static IPv6 Address:	<input type="text" value="2001:DB8:0:ABCD::1"/>
Static IPv6 Address Prefix Length:	<input type="text" value="48"/> (Range: 0 - 128, Default: 0)
Static IPv6 Address Status:	
IPv6 Autoconfigured Global Addresses:	
IPv6 Link Local Address:	fe80::ceef:48ff:fe87:4970/64
Default IPv6 Gateway:	<input type="text" value="2001:DB8:0:0:E000::F/64"/>
IPv6 Domain Name Servers:	<input type="radio"/> Dynamic
	<input checked="" type="radio"/> Manual
	<input type="text" value="2001:DB8:0:1:FFFF:1234::5/64"/>
	<input type="text" value="2001:DB8:0:1:FFFF:5678:5/64"/>

Save

您現在應該已經配置了靜態IPv6設定。