

## Configure un enlace punto a punto de 2 capas por dispositivo 11AC

Estos son los pasos sobre cómo configurar un enlace PtP mediante 11AC.

La topología de red es así.

Computadora (192.168.1.100) / WIS-L525AC (192.168.1.2) / WIS-L525AC (192.168.1.3) / Computadora (192.168.1.88)

1) Configure 192.168.1.2 como AP. Inicie sesión y configure la IP LAN

The screenshot shows the WIS Network configuration interface. The 'Network' tab is selected. A warning message at the top states: 'The password of this device is the original password. Please configure a stronger password to protect the web interface and the SSH interface. Go to password configuration...'. Below this is the 'VLAN Overview' section, which contains a table with the following data:

Name	LAN Port	Protocol	IPv4-Address	Netmask	DHCP Server	
lan1	eth0 eth1 ath0	dhcp	192.168.1.45	255.255.255.0	Disabled	<input type="button" value="Delete"/> <input type="button" value="Edit"/>

The screenshot shows the WIS Network configuration interface for the 'LAN Interface'. The 'Network' tab is selected. The configuration form includes the following fields:

- LAN Port: eth0 eth1 ath0
- Untag Port:  eth0,  eth1,  ath0
- Tag Port: (empty)
- Add Port: eth0 Tag ID: (empty)
- STP:
- Auto IP Alias:
- Protocol:
- IPv4 Address: (empty)
- Netmask: (empty)
- Gateway: (empty)
- MTU: 1500

2) Configure la radio de AP, de la siguiente manera.

The screenshot shows the configuration page for the 'Wireless' section. The 'Radio' menu item is highlighted in the sidebar. The main content area shows the configuration for the 'wifi0' interface. The 'Mode' is set to 'AP', 'IEEE 802.11 Mode' to '11ac', 'Bandwidth' to '80MHz', 'Channel' to '149 (5745 MHz)', and 'Tx Power' to '27 dBm'. The 'Region' is set to 'World'. Below this, the 'Wireless Service Template Binding' table shows a single entry for 'default\_5G' with SSID 'AP\_5G' and wlan port 'ath0'. The 'WEP Key' section is visible at the bottom.

3) Habilite el WDS en la página Servicio inalámbrico.

The screenshot shows the 'Wireless Service' configuration page. The 'Wireless Service' menu item is highlighted in the sidebar. The main content area shows the 'Wireless Service Template Overview' table. The table has columns for ID, Template Name, SSID, Hide SSID, WDS, Encryption, and Radio Bound. The 'WDS' column for the 'default\_5G' template is checked. The 'Edit' button for this template is highlighted with a red box.

The screenshot shows the detailed configuration for the 'default\_5G' template. The 'WDS' checkbox is checked and highlighted with a red box. The 'Save & Apply' button is also highlighted with a red box.

4) Cuando finalice el AP, puede ver la página de estado para confirmar

The screenshot shows the 'Status' page of the Wis Networks interface. The 'Network' section displays WAN Status as 'Not Connected' and LAN1 Status with the following details:

- Type: dhcp
- IPv4 address: 192.168.145
- Netmask: 255.255.255.0
- Connected: 0h 23m 20s
- LAN Port: eth0 eth1 ath0
- DHCP Server: Disabled
- Rx: 1.51 MB (18894 Pkts)
- Tx: 9.53 MB (8598 Pkts)

The 'Active Connections' bar shows 11 / 16384 (0%). The 'Wireless' section shows a table for 802.11an Wireless (wifi0):

SSID	BSSID	Interface	Mode	Encryption	Channel	Frequency	Association
AP_5G	FC:AD:0F:90:10:00	ath0	AP	None	149	5.745GHz	0

5) Establezca el lado STA. Inicie sesión y primero configure la IP de la LAN como el mismo.

The screenshot shows the 'Network' page. A warning message states: "The password of this device is the original password. Please configure a stronger password to protect the web interface and the SSH interface. Go to password configuration...". The 'VLAN Overview' table is as follows:

Name	LAN Port	Protocol	IPv4-Address	Netmask	DHCP Server	Actions
lan1	eth0 eth1 ath0	dhcp	192.168.145	255.255.255.0	Disabled	Disable, Delete, Edit

The screenshot shows the configuration page for the LAN interface. The 'Protocol' is set to 'Static'. The 'IPv4 Address' and 'Netmask' fields are highlighted with red boxes, indicating they need to be configured. The 'MTU' is set to 1500. The 'Add Port' section shows 'eth0', 'eth1', and 'ath0' selected as Untag Ports.

6) Configure el radio de la siguiente manera

The screenshot shows the WIS Network configuration interface. The 'Wireless' tab is selected in the top navigation bar. On the left sidebar, 'Radio' is selected, and 'wif0' is highlighted. The main configuration area is divided into two sections: 'wif0' and 'Wireless Client Setting'. In the 'wif0' section, the 'Mode' is set to 'Station', 'IEEE 802.11 Mode' is '11ac', 'Bandwidth' is '80MHz', 'Tx Power' is '27 dBm', 'Channel' is '149 (5745 MHz)', and 'Region' is 'World'. In the 'Wireless Client Setting' section, the 'SSID' field is empty, 'Enable WDS' is checked, 'Encryption' is 'None', 'BSSID' is 'admin', 'Network' is 'lan1', and 'Auth Type' is 'None'. The 'Save & Apply' button is highlighted in the bottom right corner.

7) El lado STA está terminado. Escanee y bloquee el SSID del AP del otro lado. Espere aproximadamente 1 minuto y vea la página de estado para confirmar.

La configuración está terminada. Puede verificar el enlace haciendo ping al dispositivo del otro lado. El rendimiento del enlace 11AC PtP puede obtener 500+ Mbps a 1km. Y alrededor de 300+ Mbps a 10 km