

How to Configure 802.1Q VLAN on Omada Agile/Easy Managed Switches in Standalone Mode

ฐานความรู้ คู่มือการกำหนดค่า

🕒 07-25-2026 👁 2041

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Introduction

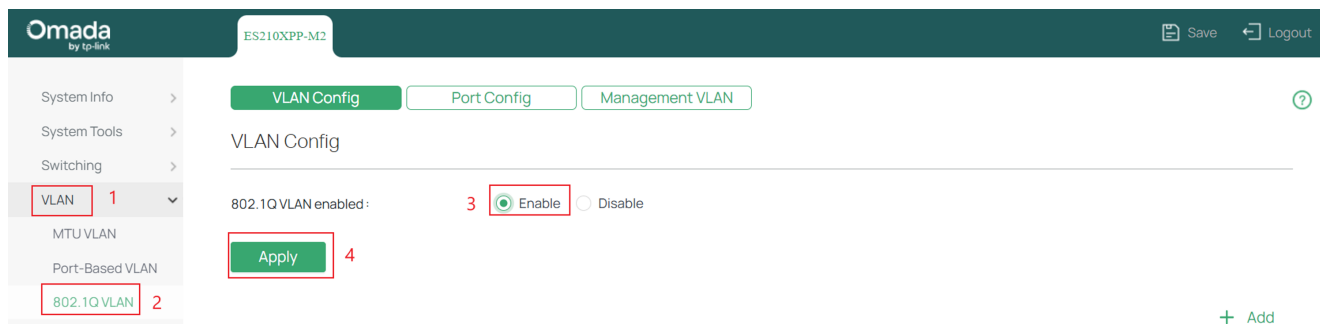
IEEE 802.1Q VLANs allow network administrators to logically segment a network into multiple broadcast domains while using the same physical switch infrastructure. This helps improve security, simplify network management, and reduce unnecessary broadcast traffic between devices. Omada Agile and Easy-Managed switches support 802.1Q VLAN configuration, enabling administrators to assign ports to specific VLANs as tagged or untagged members based on network requirements. This guide demonstrates how to configure 802.1Q VLANs on Omada Agile and Easy-Managed switches and explains the role of tagged and untagged ports within a VLAN environment.

Note: For 802.1Q setup in the Omada controller, please follow this guide: [How to Configure 802.1Q VLAN on Omada Switches in Controller Mode](#)

Requirements

- Omada Agile/Easy Managed Switch

Configuration



Step 2. Here are the parameters.

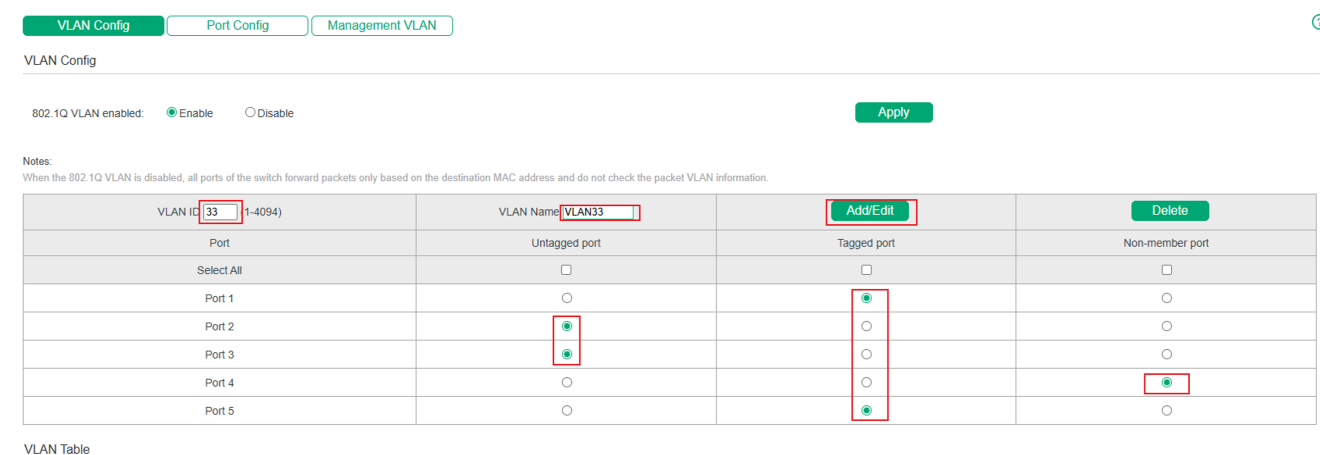
Port 1 is configured as **Tagged** because it is the uplink to another network device and must carry traffic for multiple VLANs.

Port 5 is also configured as **Tagged** because it is connected to an access point broadcasting an SSID that is mapped to this VLAN.

Configure any ports that should connect directly to end devices in this VLAN as **Untagged**.

Configure any ports that should not participate in this VLAN as **Non-member**.

Click **Add/Edit** once complete.



Step 3. Next, navigate to **Port Config** > select the access port under **Port** > set the **PVID** to the correct VLAN ID.

Click **Apply** once complete.

VLAN Config

Port Config

Management VLAN

Port Config

802.1Q VLAN enabled: ☒ Enable ☐ Disable

Apply

Notes:
When the 802.1Q VLAN is disabled, all ports of the switch forward packets only based on the destination MAC address and do not check the packet VLAN information.

802.1Q Port Settings

Port	PVID	Ingress Checking
Port 1 Port 2 Port 3 Port 4	33	Enable

Apply

VLAN Config

Port Config

Management VLAN

Port Config

802.1Q VLAN enabled: ☒ Enable ☐ Disable

Apply

Notes:
When the 802.1Q VLAN is disabled, all ports of the switch forward packets only based on the destination MAC address and do not check the packet VLAN information.

802.1Q Port Settings

Port	PVID	Ingress Checking
Port 1 Port 2 Port 3 Port 4		

Apply

Port	PVID	Ingress Checking
Port 1	1	Enabled
Port 2	33	Enabled
Port 3	33	Enabled
Port 4	1	Enabled
Port 5	1	Enabled

Conclusion

By configuring 802.1Q VLANs on an Omada Agile or Easy-Managed switch, you can logically separate network traffic while using the same physical switching infrastructure. Properly assigning tagged, untagged, and non-member ports ensures that VLAN traffic is forwarded correctly between switches, routers, access points, and end devices.

To learn more about each function and configuration, please visit [Support Home](#) to download or check the manual for your product.

QA

Q1: Why are my devices not getting an IP address

A1: Verify that the port is assigned to the correct VLAN and that the PVID matches the VLAN ID for untagged devices. Also ensure that a DHCP server is available for that VLAN.

Q2: How to configure 802.1Q VLAN for Lag ports

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802.1Q VLAN

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VLAN Config

Port Config

Management VLAN

VLAN Config

802.1Q VLAN enabled: ☒ Enable ☐ Disable

Apply

Notes:

When the 802.1Q VLAN is disabled, all ports of the switch forward packets only based on the destination MAC address and do not check the packet VLAN information.

VLAN ID	Port	Untagged port	Tagged port	Non-member port
33 (1-4094)				
Select All		☐	☒	☐
Port 1		☐	☒	☐
Port 2		☐	☒	☐
Port 3		☐	☒	☐
Port 4		☐	☒	☐
Port 5		☐	☒	☐
LAG 1		☐	☒	☐

VLAN Table

VLAN ID	VLAN Name	Member Ports	Tagged ports	Untagged ports
1	1	1-3,LAG1	-	1-3,LAG1
33	33	1-3,LAG1	1-3,LAG1	-

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