



RLAN External Module

- [External module, on page 1](#)

External module

The External Module feature is a traffic management capability that

- enables traffic to flow in and out from the Cisco Aironet Developer Platform module
- operates when an access point (AP) is in both local and flex connect mode, and
- provides connectivity for external platform modules through the AP infrastructure.

Requirement: Prerequisites for configuring external module

Before you begin, you must ensure the following:

- The external module is powered on.
- The RLAN status is enabled.

Configure external module (GUI)

This task allows you to configure external module settings through the graphical user interface by creating policy tag mappings that associate RLAN profiles and policy profiles with external module ports.

Before you begin

Follow these steps to configure external module using GUI:

Procedure

- Step 1** Choose **Configuration > Tags & Profiles > Tags**.
- Step 2** In the **Policy** tab, select one of the **Policy Tag Name** and click **Add**.
- Step 3** In **Add Policy Tag** page and **RLAN-POLICY Maps** section, click **Add**.
- Step 4** From the **Port ID** drop-down list, choose **ext-module**.

- Step 5** From the **RLAN Profile** drop-down list, choose an RLAN profile.
- Step 6** From the **RLAN Policy Profile** drop-down list, choose an RLAN policy profile.
- Step 7** Click the check mark icon.

The external module is configured with the selected RLAN profile and policy profile through the policy tag mapping.

Configure external module (CLI)

Configure external module settings to enable remote LAN functionality on wireless devices.

External modules provide additional capabilities for remote LAN connectivity in wireless networks. This configuration assigns policy tags and remote LAN policies to external modules.

Procedure

- Step 1** Enter global configuration mode.

Example:

```
Device# configure terminal
```

- Step 2** Configure a policy tag to the external module for the remote LAN.

Example:

```
Device(config)# wireless tag policy default-policy-tag
```

- Step 3** Configure a remote LAN policy to the external module.

Example:

```
Device(default-policy-tag)# remote-lan rlan-profile policy rlan-policy ext-module
```

Example:

```
Device(default-policy-tag)# remote-lan rlan policy abc ext-module
```

The external module is now configured with the specified policy tag and remote LAN policy, enabling remote LAN functionality.

External module verification

Verify external module configuration and inventory details using show commands.

To view the external module remote LAN configuration, use the following command:

```
Device# show ap name ap_name lan port summary
```

```
LAN Port status for AP ap_name
```

Port ID	status	vlanId	poe	power-level	RLAN
ext-module	Enabled	39	NA	NA	Enabled

To view the external module inventory details, use the following command:

```
Device# show ap name abc inventory
NAME: AP3800, DESCR: Cisco Aironet 3800 Series (IEEE 802.11ac) Access Point
PID: AIR-AP3802I-D-K9, VID: 01, SN: xxxxxxxxxxxx

MODULE NAME: Expansion Module, DESCR: Cisco HDK Module (rev2)
PID: Unknown, SN: xxxxxxxxxxxx, MaxPower: 2700mW
VersionID: V22, Capabilities: RLAN (UP)
```

