

Cisco Enterprise Wireless Mesh Licensing and Ordering Guide

This Cisco® Enterprise Wireless Mesh (EWM) licensing and ordering guide presents guidelines and information for ordering the Right to Use software license for the enterprise mesh deployment. The document provides step-by-step instructions for ordering the EWM license.

Overview

Building on years of Cisco technology leadership in outdoor mesh networks, the new Cisco Enterprise Wireless Mesh network enables enterprises to provide wireless connectivity to indoor areas that, until now, have been difficult or impossible to wire. Without requiring wired connections, mesh access points use the 2.4-GHz band to deliver network access to users in hard-to-reach areas and use the 5-GHz band to backhaul traffic to the root access points connected to Ethernet ports. Enterprise Wireless Mesh utilizes Adaptive Wireless Path Protocol (AWPP), which dynamically optimizes traffic routes and enables self-healing. Furthermore, zero-touch configuration as well as the Cisco unified wireless architecture for indoor and outdoor networks greatly simplifies the provisioning and management of the WLAN. Overcoming the limitations of Ethernet wiring, the Cisco Enterprise Wireless Mesh network is a simple, flexible way to offer comprehensive wireless coverage and optimal network performance to every area of an enterprise facility or structure.

Mesh networking functionality is available as a software upgrade for the Cisco Aironet® 1240 and 1130 Series Access Points. Cisco Enterprise Wireless Mesh:

- Extends wireless coverage by providing network connectivity for wireless clients located in hard-to-wire areas and by backhauling traffic to the wired network
- Extends wired coverage to single clients by functioning as wireless bridges that connect to wired devices and backhaul traffic to the wired network
- Extends wired coverage to workgroups, providing connectivity to multiple wired clients by connecting to a wired switch and backhauling workgroup traffic.

Solution

The Cisco EWM license is required for wireless mesh deployments for the indoor access point platforms, including the Cisco Aironet 1130 and 1240 Series. For the Cisco Aironet 1500 Series, these licenses are not required. These EWM licenses are required for all the WLAN controllers when mesh indoor access points are associated with the controller. Each WLAN controller has a corresponding EWM license. The license entitles the user to configure as many mesh indoor access points as the controller allows.

The license SKUs are as follows:

- AIR-AP-LIC-RTU=, Cisco Advanced Feature License
- AIR-AP-LIC-M-6, Cisco Advanced Enterprise Wireless Mesh, 6-AP Controller
- AIR-AP-LIC-M-12, Cisco Advanced Enterprise Wireless Mesh, 12-AP Controller
- AIR-AP-LIC-M-25, Cisco Advanced Enterprise Wireless Mesh, 25-AP Controller
- AIR-AP-LIC-M-50, Cisco Advanced Enterprise Wireless Mesh, 50-AP Controller
- AIR-AP-LIC-M-100, Cisco Advanced Enterprise Wireless Mesh, 100-AP Controller
- AIR-AP-LIC-M-300, Cisco Advanced Enterprise Wireless Mesh, 300-AP Controller

Table 1 lists EWM product IDs and prices for specific WLAN controllers.

Table 1. EWM License Product IDs and the Corresponding WLAN Controllers

WLAN Controller	EWM License Product ID	EWM License List Price
2106	AIR-AP-LIC-M-6	\$500
2112	AIR-AP-LIC-M-12	\$750
2125	AIR-AP-LIC-M-25	\$1,500
WLCM-25*	AIR-AP-LIC-M-25	\$1,500
WLCM-50*	AIR-AP-LIC-M-50	\$2,500
4402-12	AIR-AP-LIC-M-12	\$750
4402-25	AIR-AP-LIC-M-25	\$1,500
4402-50	AIR-AP-LIC-M-50	\$2,500
4404-100	AIR-AP-LIC-M-100	\$4,000
WiSM-300	AIR-AP-LIC-M-300	\$12,000

* Available in the second half of CY2008

To order the Cisco EWM license, follow these steps:

1. Log in to the [Cisco Ordering Tool](#).
2. Enter the SKU **AIR-AP-LIC-RTU=** into the Enter Product field in the Ordering Tool and then press Enter.
3. Under Choose Options, select the EWM license corresponding to the controller and enter the quantity of each individual license, as shown in Figure 1.

Figure 1. Cisco Ordering Tool: Configuring AIR-AP-LIC-RTU=

The screenshot displays the Cisco Configuration Tool interface for configuring AIR-AP-LIC-RTU licenses. The interface includes a navigation bar with options like 'Configurator Home', 'Get Saved Configs', 'LogOut', and 'HELP'. The main content area is titled 'AIR-AP-LIC-RTU= Cisco Advanced Feature License' and provides instructions on how to select options. The 'AP License Options' section is active, showing a list of license options with checkboxes and quantity input fields. The selected options are:

Quantity	License Option	Description
<input type="checkbox"/> 0	AIR-AP-LIC-M-6	Cisco Advanced Enterprise Wireless Mesh, 6-AP Controller
<input checked="" type="checkbox"/> 3	AIR-AP-LIC-M-12	Cisco Advanced Enterprise Wireless Mesh, 12-AP Controller
<input type="checkbox"/> 0	AIR-AP-LIC-M-25	Cisco Advanced Enterprise Wireless Mesh, 25-AP Controller
<input checked="" type="checkbox"/> 5	AIR-AP-LIC-M-50	Cisco Advanced Enterprise Wireless Mesh, 50-AP Controller
<input type="checkbox"/> 0	AIR-AP-LIC-M-100	Cisco Advanced Enterprise Wireless Mesh, 100-AP Controller
<input checked="" type="checkbox"/> 1	AIR-AP-LIC-M-300	Cisco Advanced Enterprise Wireless Mesh, 300-AP Controller

At the bottom of the page, there are buttons for 'Delete All', 'New Configuration', 'Save', and 'Check Configuration'.

- Click the Check Configuration button at the bottom-right of the page. You should get the confirmation message **“You have successfully completed your configuration!”** (Figure 2). The price for the SKU is displayed in the Ordering Tool.

Figure 2. Cisco Ordering Tool: Completed Configuration

Cisco Configuration Tool
Completed Configuration

Cisco Home | NPM | Login | Profile | You are logged in as: JAYTSAI

Configurator Home | Get Saved Configs | LogOut | HELP

You have successfully completed your configuration!

Price List: Global Price List US Availability
 Service Level: No Service
 Service Length: N/A

Show Discount: Yes No

Product Number and Description	% Discount	Qty	Price	Lead Time
AIR-AP-LIC-RTU=	0.0	1	USD 0.00	
Cisco Advanced Feature License				
AIR-AP-LIC-M12	0.0	1	USD 22.00	
Cisco-Enterprise-Enterprise-Wireless-Mesh-12-AP-Controller				
AIR-AP-LIC-M300	0.0	1	USD 22.00	
Cisco-Enterprise-Enterprise-Wireless-Mesh-300-AP-Controller				
AIR-AP-LIC-M50	0.0	1	USD 22.00	
Cisco-Enterprise-Enterprise-Wireless-Mesh-50-AP-Controller				

Estimated Lead Time: Estimated Price: USD 26,750.00

Email Configuration | Print | Download | Apply Discount | New Configuration | Edit Configuration | Save

5. Select the required Cisco SMARTnet® contract.
6. Place the order. You can now exit the configuration tool.

Once the order goes through, you will receive the Right to Use certificate.

Summary

Enterprise wireless mesh is a dynamic and truly flexible way of deploying wireless LAN in an enterprise environment. The self-forming and self-healing wireless technology allows the user to mount the access points virtually anywhere without the limitations and inconvenience of Ethernet wiring. EWM licenses are required for mesh deployments with the Cisco Aironet 1130 Series and 1240 Series.

For More Information

For more information about Cisco Enterprise Wireless Mesh, visit http://www.cisco.com/en/US/netsol/ns767/networking_solutions_package.html.

For WLAN controller and mesh access point release notes, visit <http://www.cisco.com/en/US/docs/wireless/controller/release/notes/crn4119124M.html>.



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