

Cisco Aironet 1540 Series Outdoor Access Points

Ordering Guide

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1. Introduction

1.1 Purpose, audience, and scope

This document describes the pricing, packaging structure, and ordering for Cisco® Aironet® 1540 Series outdoor access points. It also describes the various packaging structures and configurations available for different models. You'll find part numbers and other information necessary to help you choose and order products.

Audience: This guide is for Cisco sales and specialized channel partners.

Scope: This ordering guide describes the pricing and ordering for the Aironet 1540 Series models, shown in [Table 1](#).

Table 1. Cisco Aironet 1540 Series models

Model	Description
AP1542I	I: Internal antenna
AP1542D	D: Internal directional antenna

For more detailed information on the Cisco Aironet 1540 Series outdoor access points, visit: <https://www.cisco.com/go/ap1540>

1.2 Ordering and quoting tools

Solution Expert assists Cisco sales and specialized channel partners in designing and quoting solutions using the Cisco Unified Communications bundles or the traditional design model.

The Cisco Commerce Experience provides a Deals & Quotes application that can enable specialized channel partners to build a system quote with:

- Products, required modules, and software
- Automatically derived services based on products and install site location
- Customized leasing options from Cisco Capital®, where available
- Design documentation

For additional information about the Cisco Commerce Experience, visit: <https://apps.cisco.com/Commerce/home>.

The Cisco Commerce Experience includes several helpful tools to estimate, configure, and order solutions, so you can configure products and view lead times and prices for each selection. It also allows you to view lead time and price changes under a variety of price lists and service contract terms. You can also track your order.

Cisco Service Contract Center is an integrated solution that makes it easy for Cisco Services sales teams and partners to manage and grow their service business, profitably. It will:

- Quote and book your service orders and manage your service contracts and renewals, in one easy-to-use solution
- Help you spend less time solving administrative problems, searching for opportunities, and creating quotes
- Allow you to spend more time growing your business using data you can trust; you don't need to spend time fixing or verifying data
- Help partners to create and proactively manage their contracts

Access the Cisco Service Contract Center at: <https://wwwin.cisco.com/CustAdv/globalops/wvssso/service.shtml>.

2. Cisco Aironet 1540 Series outdoor access points

Aironet 1540 Series outdoor access points are ideal for both enterprise and service provider network operators. They are compact and easy to deploy and support the latest Wi-Fi standard, 802.11ac Wave 2. The 1540 Series provides high throughput over a large area with pervasive coverage. A fully operational system contains:

1. Access point
2. Software
3. Mounting brackets
4. Power source (Power over Ethernet [PoE] via a switch or external power injector)
5. Accessories (optional)

[Table 2](#) lists the part numbers for 1540 Series access points.

Table 2. Cisco Aironet 1540 Series outdoor access points part numbers

Part number	Description
AIR-AP1542I-x-K9	Internal antenna
AIR-AP1542D-x-K9	Internal directional antenna

Note 1: "x" is a placeholder for the regulatory domain designator. Visit <https://www.cisco.com/go/aironet/compliance> (outdoor access points) to determine which regulatory domain is used in your country. Note that the regulatory domain used in your country may differ depending on access point model, and that some models are not available for all countries.

Note 2: For the United States only, you must use regulatory domain - B instead of the traditional - A. This is due to recent FCC rule changes that opened up the 5150–5250 MHz UNII-1 band for outdoor use.

Use Table 2 and the remainder of this guide to identify the items you need for your deployment. Note that some components are available as a "configurable" option or as a "spare."

- A "configurable" option ships in the same main box as the access point. For example, AIR-ACC1530-PMK1 is a "configurable" option and, if ordered, is shipped with the access point in the same box.
- A "spare" option is denoted with an equal sign (=) at the end of the part number. For example, AIR-ACC1530-PMK1= is a "spare" and, if ordered, is shipped in separate packaging.

If making a return or trade-in, you might need to remove any option you installed before returning the access point to Cisco. Consult your Cisco representative for additional assistance in ordering mesh and other networking equipment.

These are standard items that could be included with each specific model:

1. Access point
2. Outdoor Ethernet cable adapter
3. Grounding lug
4. Antioxidation compound for the ground connection

2.1 Software ordering options

The 1540 Series requires, at a minimum, access point software release 8.5 or later. Traditionally, additional functions are available for the access point with more recent releases. Read the applicable release notes for more information about features available with the latest software releases. You can specify the access point to be loaded and shipped with the default unified software as either "Unified Mesh," "Unified Local," or "Mobility Express" mode during the ordering process. [Table 3](#) lists the product numbers for each of these software modes.

Table 3. Access point software options

Product number	Description
SWAP1540-MESH-K9	SW Cisco AP1540: Unified Mesh
SWAP1540-LOCAL-K9	SW Cisco AP1540: Unified Local
SWAP1540-MBEXP-K9	SW Cisco AP1540: Mobility Express

2.2 Antennas

The Cisco Aironet 1542I Outdoor Access Point has two internal, wide-beam, dual-band (2.4- and 5-GHz) antennas that reside under a sealed radome and cannot be accessed or configured by the user.

The Cisco Aironet 1542D Outdoor Access Point has two internal narrow, directional, dual-band (2.4- and 5-GHz) antennas that reside under a sealed radome and cannot be accessed or configured by the user.

2.3 Mounting brackets

[Table 4](#) describes the mounting brackets available for the Aironet 1540 Series access points. The 1540 Series is compatible with the mounting brackets used on earlier 1530 and 1560 Series outdoor access points. The table lists part numbers for the brackets as well as use cases and other details.

Table 4. Mounting brackets for the Cisco Aironet 1540 Series access points

Part number	Description	Use case
AIR-ACC1530-PMK1	Standard pole/wall mount kit for AP1530/1560 Series	Standard vertical wall or pole mounting
AIR-ACC1530-PMK2=	Pole mount kit for AP1530/1560 Series with tilt adjustment	Pole or wall mounting where tilting the AP is required

2.4 Powering options

The 1540 Series can be powered by Power over Ethernet (PoE). The access point can also be powered by Cisco stand 802.3af PoE directly from a switch or power injector. [Table 5](#) lists part numbers for powering options.

Table 5. Power options for Cisco Aironet 1540 Series access points

Part number	Description	Use case
AIR-PWRINJ-60RGD1=	Power injector, 60W, outdoor, North America plug	Outdoor-rated 60W power injector with North American AC plug
AIR-PWRINJ-60RGD2=	Power injector, 60W, outdoor, un-connectorized	Outdoor-rated 60W power injector, unterminated AC cable for international use
AIR-PWRINJ-60-PMK=	Pole mount kit for AIR-PWRINJ-60	Required for pole mounting for AIR-PWRINJ-60RGD1= or AIR-PWRINJ-60RGD2=
AIR-PWRINJ5=	Power injector, 802.3af, indoor	Indoor-rated, 802.3af-compliant power injector

2.5 Accessories

A number of additional accessories are available for the Cisco Aironet 1540 Series to facilitate the completeness of certain applications and installation. [Table 6](#) lists the optional accessories.

Table 6. Optional accessories for Aironet 1540 Series access points

Part number	Description	Use case
AIR-ACC1540-CVR=	Cover and solar shield for AP1540 Series	Paintable cover to change appearance of AP
AIR-ACC1540-KIT1=	Spare accessory kit for AP1540 Series	Spare cable connectors, ground lugs, port covers for 1540 Series

2.6 Example solution configurations

Tables 7 and 8 list sample configurations for two 1540 Series models

Table 7. 1542I access point example configuration

Part number	Description	Qty
AIR-AP1542I-B-K9	802.11ac W2 low-profile outdoor AP, internal ant, B reg dom	1
SWAP1540-MESH-K9	Aironet 1540 Series Unified Mesh mode software	1
AIR-ACC1530-PMK1=	Pole/wall mount kit	1

Table 8. 1542D access point example configuration

Part number	Description	Qty
AIR-AP1542D-E-K9	802.11ac W2 low-profile outdoor AP, directional ant, E reg dom	1
SWAP1540-MESH-K9	Aironet 1540 Series Unified Mesh mode software	1
AIR-ACC1530-PMK2=	Pole/wall mount kit with tilt adjustment	1

3. Cisco Services

3.1 Cisco Technical Services

Table 9 lists Cisco Technical Services available for the Aironet 1540 Series outdoor access points.

Table 9. Cisco Technical Services for Aironet 1540 Series outdoor access points

Part Number	Description
Cisco Smart Net Total Care™ Service	<ul style="list-style-type: none"> Next-Business-Day (NBD), 8 x 5 x 4, 24 x 7 x 4, and 24 x 7 x 2 advance hardware replacement¹ and onsite parts replacement and installation available Global access to the Cisco Technical Assistance Center (TAC) 24 hours a day Unrestricted access to extensive Cisco.com resources, communities, and tools Ongoing operating system software updates² within a software-licensed feature set, if any Proactive diagnostics and real-time alerts on Smart Call Home-enabled devices
Cisco Smart Foundation Service	<ul style="list-style-type: none"> Next-business-day advance hardware replacement as available Business-hours access to the Small Business (SMB) Cisco TAC (access levels vary by region) Access to Cisco.com SMB knowledge base Online technical resources through the Smart Foundation Portal Operating system software bug fixes and patches, if applicable

¹ Advance hardware replacement is available in various service-level combinations. For example, 8 x 5 x NBD indicates that shipment will be initiated during the standard 8-hour business day, 5 days a week (the generally accepted business days within the relevant region), with next-business-day delivery. Where NBD is not available, same-day shipment is provided. Restrictions apply; review the appropriate Smart Net Total Care service descriptions for details.

² Cisco operating system updates include maintenance releases, minor updates, and major updates within the licensed feature set, if applicable.

For more information about Cisco Technical Services, visit <https://www.cisco.com/go/ts>

3.2 Cisco tools for quoting and ordering

To place an order, visit the Cisco ordering website at <https://www.cisco.com/en/US/ordering/index.shtml>

4. Cisco Capital financing

The significant benefits offered by Cisco Aironet 1540 Series outdoor access points make them the natural choice for providing high-capacity outdoor wireless coverage. As with any technology investment, the question is the affordability of the new system. The answer is financing from Cisco Capital. Whether through flexible repayments to match expenditures to benefits and help mitigate cash flow issues, or an operating lease to help negate capital expenditure, we can give customers the financing solution that works best for them.

Cisco Capital can help remove or reduce the barriers preventing organizations from obtaining the technology they need. Total solution financing programs help customers and partners:

- Achieve business objectives
- Accelerate growth
- Acquire technology to match current strategies and future needs
- Remain competitive

Cisco Capital also helps your customers achieve financial goals such as optimizing investment dollars, turning CapEx into OpEx, and managing cash flow. And there's just one predictable payment. Cisco Capital operates in more than 100 countries, so regardless of location, customers and partners have access to a trusted means to secure Cisco products and services. [Learn more.](#)

For more information about Cisco Capital financing, visit:

- For channel partners: <https://www.ciscocapital.com/>
- For Cisco Field: <https://wwwin.cisco.com/FinAdm/csc/>

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