Ordering Guide

Cisco Aironet 1200 Series Access Point

The Cisco® Aironet® 1200 Series Access Point provides the physical interface connections shown in Table 1.

Table 1. Cisco Aironet 1200 Series Connections

Description	Qty	Connection Type
2.4 GHz radio	1	Mini-PCI
5 GHz radio	1	CardBus
5 GHz antennas	2	Reverse Polarity-Threaded Naval Connector (RP-TNC) for RM22A radio
2.4 GHz antennas	2	RP-TNC
10/100 Ethernet	1	RJ-45
Console	1	RJ-45
Local power	1	Barrel connector

The mini-PCI interface supports an IEEE 802.11g radio operating in the 2.4 GHz frequency band. The CardBus interface supports an IEEE 802.11a radio operating in the 5 GHz frequency band. At least one radio must be installed for the access point to operate in a WLAN, and at most, two radios (one of each form factor) can be installed.

The Cisco Aironet 1200 Series may be ordered as follows:

- **Configurable**—Identify the access point platform and then select the radio(s) to be installed
- **Preconfigured bundles**—Access point platform with an 802.11a or 802.11g radio module that is predetermined by the part number or stock-keeping unit (SKU)

Configurable part numbers for the Cisco Aironet 1200 Series are only available on the Cisco Global Price List. The configurable option is best if ordering the product for a specific customer or project. When choosing the configurable option, the access point platform and radio module(s) must be selected. Although the access point platform and radio module(s) are ordered separately through the configuration tool, they will arrive fully assembled as a completely functional end product.

Preconfigured bundles are available on both the Cisco Global and Wholesale Price Lists. Preconfigured bundles associate a unique SKU to a predefined product configuration for an access point platform and radio module. As with the configurable product, a preconfigured bundle will arrive fully assembled.

For both configurable products and preconfigured bundles, selection of a country power cord is required; options for inline power injector and console cable are available through the Cisco Configuration Tool. For configurable and preconfigured bundles based on Cisco IOS® Software, an additional option is available for selecting the software image version.

2.4 GHz antennas are not included with the 802.11g radio module; they must be identified under a separate order line item and purchased separately. There are two versions of the 802.11a radio modules. The 802.11a RM21A radio module is designed with integrated antennas; therefore, no antenna selection is required. The 802.11a RM22A radio module, however, has dual RP-TNC antenna connectors. Auxiliary 5 GHz antennas are not included and should be ordered separately.

CONFIGURATION OPTIONS

Table 2 identifies the Cisco Aironet 1200 Series configuration options.

Table 2. Cisco Aironet 1200 Series Configuration Options

Platform	Mini-PCI Radio Module	CardBus Radio Module*	Power Injector	Console Cable
AIR-AP1210 (Cisco IOS Software)	• AIR-MP21G-x-K9 (x = A, E, or J)	• AIR-RM21A-x-K9 (x = A, C, E, I, J, K, N, P, S, or T) • AIR-RM22A-x-K9 (x = A, C, E, I, J, K, N, P, S, or T)	• AIR-PWRINJ3 • AIR-PWRINJ-FIB	• AIR-CONCAB1200

REGULATORY

Customers are responsible for verifying approval for use in their individual countries. To verify approval and to identify the regulatory domain that corresponds to a particular country, please visit: http://www.cisco.com/go/aironet/compliance

Not all regulatory domains have been approved. As they are approved, the part numbers will be available on the Global Price List.

PRECONFIGURED BUNDLES

Table 3 identifies the available preconfigured bundles and their platform and radio module components. Not all possible combinations of platforms and radio modules have been preconfigured; only those regulatory domains identified are available in a preconfigured bundle.

Table 3. Cisco Aironet 1200 Series Preconfigured Bundles

Preconfigured Bundle	Platform	Radio Module	Regulatory Domains*
AIR-AP1231G-x-K9	AIR-AP1210	AIR-MP21G	x = A, E, or J
AIR-LAP1231G-x-K9	AIR-AP1210	AIR-MP21G	x = A, E, or J
AIR-AP1232AG-x-K9	AIR-AP1210	AIR-MP21G and AIR-RM22A	x = A, C, E, I, J, K, N, P, S, or T
AIR-LAP1232AG-x-K9	AIR-AP1210	AIR-MP21G and AIR-RM22A	x = A, C, E, I, J, K, N, P, S, or T

PRODUCT DESCRIPTION

Table 4 describes each of the parts identified previously.

Table 4. Cisco Aironet 1200 Series Products

Cisco Aironet 1200 Series Access Point Platform	
The Cisco Aironet 1200 Series platform is the basic electronic chassis of the access point. When populated with at least one radio module, the platform provides the infrastructure for a WLAN. The platform supports: • Simultaneous, dual-band operations with interfaces for mini-PCI and CardBus radios • Dual RP-TNC connectors for external 2.4 GHz antennas (antennas sold separately) • 10/100 autosensing Ethernet uplink • Powering from Cisco inline power over Ethernet or from a local power supply • Console access The platform ships with a 110 to 220 VDC local power supply.	
AIR-AP1210	Cisco IOS Software Release 12.3(7)JA or later
Radio Modules	
The radio module provides the radio frequency interface required for a wireless connectivity.	
802.11a Radio Modules	
• IEEE 802.11a-compliant • CardBus form factor • 5 GHz operation • Up to 54 Mbps • Integrated diversity antennas	
Integrated diversity antennas. Requires Cisco IOS Software Release 12(3)2JA or later.	

Cisco Aironet 1200 Series Access Point Platform	
AIR-RM21A-x-K9	Regulatory domains: (x = regulatory domain) • A = FCC • C = China • E = ETSI • I = Israel • J = Japan • K = Korea • N = North America (excluding FCC) • P = Japan2 • S = Singapore • T = Taiwan
Dual RP-TNC connectors. Antennas sold separately. Requires Cisco IOS Software Release 12(3)2JA or later.	
AIR-RM22A-x-K9	Regulatory domains: (x = regulatory domain) • A = FCC • C = China • E = ETSI • I = Israel • J = Japan • K = Korea • N = North America (excluding FCC) • P = Japan2 • S = Singapore • T = Taiwan
802.11g Radio Modules	
• IEEE 802.11g-compliant • Mini-PCI form factor • 2.4 GHz operation • Up to 54 Mbps • Dual RP-TNC connectors for externally attached antennas (antennas sold separately). • Requires Cisco IOS Software image version 12.2(13)JA or later.	
AIR-MP21G-x-K9	x = A, E, or J

Cisco Aironet 1200 Series Access Point Platform	
Power Injectors	
Cisco Aironet 1200 Series access points may be powered with the local power supply included with the access point, or by using powering equipment capable of providing Cisco inline power over Ethernet, such as Cisco Aironet power injectors or Cisco inline powered switches and routers. The powering equipment must be able to support the power requirements of the access point, which depend on the product configuration listed below.	
802.11a (single radio)	8W
802.11g (single radio)	6W
802.11a/b/g (dual radio)	11W
The Cisco Aironet power injectors listed below provide sufficient power for each possible configuration of the access point. The power injectors are used in combination with the 110 to 220 VDC power supply that is shipped with the Cisco Aironet 1200 Series access point platform and preconfigured bundles.	
AIR-PWRINJ3	• Cisco Aironet Power Injector for Cisco Aironet 1100 and 1200 Series access points • RJ-45 Ethernet LAN connection
AIR-PWRINJ-FIB	• Cisco Aironet Power Injector Media Converter • MT-RJ (multimode fiber) LAN connection
Console Cable	
This optional cable may be used in the initial installation and setup of the access point.	
AIR-CONCAB1200	Auxiliary/console port cable

When ordering the items listed above separately from the product, use the spare part number by appending an equal sign (“=”) to the part number. For example, order AIR-PWRINJ3= if ordering the Cisco Aironet Power Injector under a separate order line item.

REGULATORY DOMAINS

Regulatory domains are used to distinguish groups of countries that adhere to the same or similar regulations for radio usage with regards to available channels and transmit power. Cisco Aironet radio products are set at the factory to allow a particular channel set and maximum transmit power; this is reflected in the part number as the single character following the model number (for example, in AIR-AP1231G-A-K9, the regulatory domain is represented by “-A-“). Customers must select the regulatory domains that correspond to their particular countries when choosing a radio module for use in their access points, or when choosing preconfigured bundles.

Cisco Aironet 1200 Series access points are certified for use in many countries around the world, but have not been approved for use in all countries. For current worldwide approval status of Cisco Aironet 1200 Series access points, visit: http://www.cisco.com/go/aironet/compliance.

MOUNTING BRACKET

The Cisco Aironet 1200 Series and 1230AG Series access points ship with a mounting bracket and hardware. Additional brackets may be purchased separately.

Table 5. Cisco Aironet 1200 and 1230AG Series Mounting Bracket Part Number

Product Number	Product Description
AIR-AP1200MNTGKIT=	1200 Series (Non-AP1242) Ceiling/Wall Mount Bracket Kit- spare

ANTENNAS

The 2.4 GHz radios do not come with antennas; they must be ordered separately. Cisco Aironet 1200 Series access points are certified for operation only with Cisco Aironet antennas. To ensure regulatory compliance, select Cisco Aironet antennas for use with Cisco 1200 Series access points.

Cisco Aironet IEEE 802.11a 1200 Series access point upgrade kits include radio modules that are designed for versatility. Three module versions are available. The RM21A radio module features an integrated diversity antenna system and does not require external antennas. The RM22A radio module offers dual RP-TNC antenna connectors, however, auxiliary Cisco 5 GHz antennas are required and should be ordered separately.

A complete Antenna Reference Guide is available to assist users in selecting the proper antennas for specific deployment requirements: http://www.cisco.com/warp/public/cc/pd/witc/ao350ap/prodlit/agder_rg.htm.

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