

## Cisco Aironet 1200 Series Access Point



There are two options for ordering the Cisco Aironet® 1200 Series Access Point:

- Configurable (with each item ordered individually)
- Pre-configured bundles (AP platform with 802.11b or 802.11a radio module installed)

Configurable part numbers for the Cisco Aironet 1200 Series Access Point are available on the Global Price List only. Configurable is the optimal ordering process for end users (direct customers) or resellers and distributors who are ordering product for a specific single customer or project. When ordering “Configurable” all components must be ordered separately, including the access point platform, radio modules, antennas, inline power injector, and console cable. Although these items are ordered separately through the configuration tool, they will be fully assembled, and a completely functional end product will be delivered to the customer.

Available on both the Global and Wholesale Price Lists, the Pre-configured Stock Keeping Units (SKUs) are designed for 2-tier distribution customers and those that tend to stock relatively large quantities of Aironet product.

Listed below are descriptions of all the components available for the Cisco Aironet 1200 Series Access Point.

### Cisco Aironet 1200 Series Access Point Platform

The Cisco Aironet 1200 Series Access Point Platform, AIR-AP1200, includes two empty radio slots for both an 802.11b Mini-PCI radio module and an 802.11a CardBus radio module. Both radio modules must be ordered separately.

Table 1 Cisco Aironet 1200 Series Access Point Platform Components

Product Number	Product Description
<b>AIR-AP1200</b>	<ul style="list-style-type: none"> <li>• Access point platform with card bus and mini-PCI slots (radios not included)</li> <li>• Ethernet uplink</li> <li>• Dual RP-TNC connectors</li> <li>• Antennas sold separately</li> <li>• Ships with 110-220V power supply; optional power injector available separately</li> </ul>



After entering the part number for Access Point Platform, (AIR-AP1200) the following items will be displayed during the online ordering process.

- 802.11b Radio Module: If support for 802.11b clients is required, select an 802.11b radio module based on your regulatory domain, for more details see the Regulatory Domain Options section. Note that this module does not come with an antenna which must be ordered outside of the configuration tool as a separate item that will not be integrated into the access point.
- 802.11a Radio Module: If support for 802.11a clients is required, select an 802.11a radio based on your regulatory domain, for more details see the Regulatory Domain Options section. Note that the 802.11a module includes an integrated antenna module, no additional antenna is required or available for the 802.11a module.
- Power cord selection by country (included with the access point at no extra charge).
- Powering options: Ships with a 110-220V wall transformer (at no extra charge). If power over Ethernet is preferred an optional power injector may be configured (at an additional cost) instead of a power supply. For 802.11a and dual radio 802.11b/802.11a configurations, a power injector is required for power over Ethernet. For 802.11b-only configurations, Cisco line power-enabled devices like switches and patch panels may be used instead of the power injector.
- Console Configuration Cable can be purchased separately for use in initial configuration.
- 2.4 GHz antennas: Antennas are not included with the Cisco Aironet 1200 Series Access Point and must be purchased separately. A complete Antenna Reference Guide is available to assist users in selecting the proper antenna for specific deployment requirements at [http://www.cisco.com/warp/public/cc/pd/witc/ao350ap/prodlit/agder\\_rg.htm](http://www.cisco.com/warp/public/cc/pd/witc/ao350ap/prodlit/agder_rg.htm).

## Regulatory Domain Options

Cisco Aironet products are certified for use around the world. Customers must select the correct Regulatory Domain that corresponds to their particular country when choosing a radio module for use in the access point. Regulatory Domain Options are preconfigured; the regulatory domain is already built into the SKU. An up-to-date listing of the countries that correspond to these Regulatory Domains is available at <http://www.cisco.com/go/aironet/compliance>.

Table 2 Regulatory Domains

2.4 GHz 802.11b Regulatory Domains	
-A-	FCC Regulatory Domain
-C-	MII Regulatory Domain (China)
-E-	ETSI Regulatory Domain
-I-	Israel Regulatory Domain
-J-	TELEC Regulatory Domain (Japan)

5 GHz 802.11a Regulatory Domains	
-A-	FCC Regulatory Domain
-J-	TELEC Regulatory Domain (Japan)
-S-	Singapore Regulatory Domain
-T-	Taiwan Regulatory Domain

The Cisco Aironet 1200 Series has not been approved for use in all countries. Please refer to the following URL for current worldwide approval status of the Cisco Aironet 1200 Series at <http://www.cisco.com/go/aironet/compliance>.



## 802.11b Radio Module

If the 802.11b radio module option is selected, a menu (illustrated in Table 3) will be displayed and you will be able to choose the radio module appropriate for your particular country. As part of the online ordering process, when you select the access point platform (AIR-AP1200), you will be given the option to select “none” meaning no radios, or “802.11b 2.4 GHz mini-PCI radio module”. When the mini-PCI radio is ordered with the access point platform, a fully configured and functional access point is shipped. If an 802.11a only access point is the desired configuration, do not select an 802.11b radio. For a dual band access point, select both the 802.11b radio module from this menu as well as the 802.11a radio module from the next menu.

Table 3 802.11b Radio Module Part Numbers

Part Number	Description
<b>AIR-MP20B-A-K9</b>	2.4 GHz 11 Mbps mini-PCI radio module, FCC configuration
<b>AIR-MP20B-C-K9</b>	2.4 GHz 11 Mbps mini-PCI radio module, China configuration
<b>AIR-MP20B-E-K9</b>	2.4 GHz 11 Mbps mini-PCI radio module, ETSI configuration
<b>AIR-MP20B-I-K9</b>	2.4 GHz 11 Mbps mini-PCI radio module, Israel configuration
<b>AIR-MP20B-J-K9</b>	2.4 GHz 11 Mbps mini-PCI radio module, Japan configuration

## 802.11a Radio Module

If the 802.11a radio module option is selected, a menu (illustrated in Table 4) will be displayed and you will be able to choose the module appropriate for your particular country. As part of the online ordering process, when you select the access point platform (AIR-AP1200), you will be given the option to select “none” meaning no radios, or “802.11a 5GHz CardBus radio module”. When the CardBus radio module is ordered with the access point platform, a fully configured and functional access point is shipped. If an 802.11b only access point is the desired configuration, do not select an 802.11a radio.

Table 4 Radio Module Part Numbers

Part Number	Description
<b>AIR-RM20A-A-K9</b>	802.11a 5 GHz CardBus Radio Module, FCC Configuration
<b>AIR-RM20A-J-K9</b>	802.11a 5 GHz CardBus Radio Module, Japan Configuration
<b>AIR-RM20A-S-K9</b>	802.11a 5 GHz CardBus Radio Module, Singapore Configuration
<b>AIR-RM20A-T-K9</b>	802.11a 5 GHz CardBus Radio Module, Taiwan Configuration

## Power Supplies

A 110-220V-power supply is shipped with the Cisco Aironet 1200 Series Access Point platform. If additional power supply units are needed they may be ordered as a spare. A power injector can be ordered separately where power over the Ethernet is preferred (Table 5). Note that when using power over Ethernet with either an 802.11a or dual band 802.11a/802.11b 1200 Series access point that a power injector is required—line power enabled switches and patch panels do not provide the wattage required for these configurations.



Table 5 Cisco Aironet 1200 Series Access Point Power Options

Product Number	Product Description
<b>AIR-PWR1200=</b>	Cisco Aironet 1200 Series Platform 110-240V power supply—spare
<b>AIR-PSINJSYS1200=</b>	Cisco Aironet 1200 Series Platform 110-240V power supply and power injector

### Antennas

2.4 GHz antennas must be ordered separately. The Cisco Aironet 1200 Series Access Point Platform has two RP-TNC connectors that are compatible with existing Cisco antennas. With a wide variety of directional, omnidirectional, patch, diversity, and mast-mount antennas, installers can customize a wireless solution that meets the requirements of even the most challenging applications. Note that the 1200 Series access point is certified for operation only with Cisco Aironet antennas. Customers assume regulatory compliance responsibility if third party antennas are used. 5 GHz antennas for the 802.11a radio are integrated into the radio module. Auxiliary 5 GHz antennas are not required and are not available.

### Console Configuration Cable

This optional cable may be used in the initial installation and set up of the access point. The Console Configuration Cable must be ordered separately (Table 6).

Table 6 Console Configuration Cable for the Cisco Aironet 1200 Series

Product Number	Product Description
<b>AIR-CONCAB1200=</b>	Auxiliary/Console port cable

### Client Adapters

The Cisco Aironet 1200 Series Access Point will interoperate with all IEEE 802.11b (Wi-Fi) WLAN client adapters and with Cisco 802.11a CardBus client adapters. To take advantage of the end-to-end features and benefits and the award-winning Cisco Wireless Security Suite, Cisco recommends that customers use Cisco client adapters when possible. (Table 7).

Table 7 Compatible Client Adapters for the Cisco Aironet 1200 Series

Product Number	Product Description
<b>AIR-PCM352</b>	2.4 GHz, 11-Mbps PCMCIA card with integrated diversity antenna
<b>AIR-PCI352</b>	2.4 GHz, 11-Mbps PCI adapter with 2.2 dBi dipole antenna RP-TNC connector
<b>AIR-WGB352C</b>	2.4 GHz, 11 Mbps Workgroup Bridge with captured antenna
<b>AIR-WGB352R</b>	2.4 GHz, 11 Mbps Workgroup Bridge with Dual RP-TNC connectors
<b>AIR-CB20A-A-K9</b>	802.11a 54 Mbps CardBus Client Adapter



## Pre-configured Cisco Aironet 1200 Series 802.11b Bundle

A Cisco Aironet 1200 Series 802.11b Bundle includes the access point platform (which ships with a power supply) and a pre-configured IEEE 802.11b radio module. Similarly, a Cisco Aironet 1200 Series 802.11a Bundle includes the access point platform (which ships with a power supply) and a pre-configured IEEE 802.11a radio module. During the online ordering process once either of these bundles is selected, the system will automatically prompt the selection of a line cord (which should be chosen based on the country of operation) and antennas. Power injectors and console cables are not required for operation, and the online ordering system does not prompt for their selection. These items must be ordered separately and will be shipped separately. All other countries in all other regulatory domains must order the Cisco Aironet 1200 Series components separately. A pre-configured bundle will be available for the Telec regulatory domain once certification has been approved. The SKUs will include:

- AIR-AP1220B-A-K9 (FCC)
- AIR-AP1220B-E-K9 (ETSI)
- AIR-AP1220B-J-K9 (Telec)
- AIR-AP1220A-A-K9 (FCC)
- AIR-AP1220A-J-K9 Telec

Table 8 Cisco Aironet 1200 Series 802.11b Bundle Components

Product Number	Product Description
<b>AIR-AP1220B-X*-K9</b>	<ul style="list-style-type: none"><li>• IEEE 802.11b Access Point with mini-PCI and card bus radio slots</li><li>• AIR-MP20B-X*-K9 (802.11b radio) installed in mini-PCI slot</li><li>• * Regulatory domain option (see Regulatory domain Options for details)</li><li>• Ethernet uplink</li><li>• Dual RP-TNC connectors</li><li>• Antennas sold separately</li><li>• Ships with 110-220V power supply; optional power injector available separately</li></ul>
<b>AIR-AP1220A-X*-K9</b>	<ul style="list-style-type: none"><li>• IEEE 802.11a Access Point with mini-PCI and card bus radio slots</li><li>• AIR-RM20A-X*-K9 (802.11a radio module) installed in CardBus slot</li><li>• * Regulatory domain option (see Regulatory domain Options for details)</li><li>• Ethernet uplink</li><li>• Dual RP-TNC connectors</li><li>• Antennas sold separately</li><li>• Ships with 110-240V power supply; optional power injector available separately</li></ul>

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