

Cisco Aironet 1130AG Series

Q. What is the Cisco Aironet 1130AG Series Access Point?

- A.** The Cisco Aironet 1130AG Series packages high capacity, high security, and enterprise-class features delivering wireless LAN access for a low total cost of ownership. Designed for wireless LAN coverage in offices and similar RF environments, this unobtrusive access point features integrated antennas and dual IEEE 802.11a/g radios for robust and predictable coverage, delivering a combined capacity of 108 Mbps. The competitively priced Cisco Aironet 1130AG Series is ready to install and easy to manage, reducing the cost of deployment and ongoing maintenance. The device is available in either a lightweight version, or as an autonomous version that may be field-upgraded to lightweight operation.

Q. What are the Cisco Aironet 1130G Series access points?

- A.** Cisco® Aironet® 1130G Series Access Points provide all the same hardware and software functionality as the 1130AG Series with the exception of the radios. The 1130G series offers a single 802.11g radio and is designed for use in regulatory domains that do not allow 802.11a/5 GHz operation.

Q. How does the Cisco Aironet 1130AG Series compare to the Cisco Aironet 1230AG Series?

- A.** Both series offer dual-band access points designed for the enterprise. The Cisco Aironet 1130AG Series is designed for indoor office environments. The complete system is deployable without external antennas, and its low-profile design is aesthetically pleasing while blending into walls or ceilings. The Cisco Aironet 1230AG Series offers greater flexibility for harsh indoor environments or challenging RF environments. Dual antenna connectors allow the addition of specialized antennas to support a range of antenna gains and directions. In addition, the metal enclosure and operability in a wider temperature range allow for installation above the ceiling.

Q. How does the Cisco Aironet 1130G Series compare to the Cisco Aironet 1100 Series?

- A.** The Cisco Aironet 1130G Series is the single-band 802.11g version of the Cisco Aironet flagship indoor access point the Cisco Aironet 1130AG. It offers additional memory, processing power, and 802.3af power over the Cisco Aironet 1100 Series. The List Price for Cisco Aironet 1130G and 1100 Series are \$699 and \$599 respectively.

Q. How does the Cisco Aironet 1130AG Series compare to the Cisco Aironet 1100 Series?

- A.** The Cisco Aironet 1130AG Series offers a dual-band access point supporting 802.11a/b/g for data rates up to 108 Mbps. The Cisco Aironet 1100 Series only supports a single radio. Legacy Cisco Aironet 1100 Series access points have an 802.11b radio that may be field-upgraded to 802.11g, or the Cisco Aironet 1100 Series may currently be ordered with a single 802.11g radio that is backward-compatible with 802.11b.

Both access points are designed for indoor/office-type applications. Both support interoperable 802.11i/WPA2-enhanced wireless LAN security. The Cisco Aironet 1100 Series has 2.2-dBi integrated diversity antennas. The Cisco Aironet 1130AG Series has 3.0 and 4.5-dBi integrated diversity antennas for the 2.4 and 5 GHz bands, respectively, and provides greater range and throughput than the Cisco Aironet 1100 Series. The Cisco Aironet 1130AG Series can be configured through an available console port; the Cisco Aironet 1100 Series

does not include a console port. The Cisco Aironet 1100 Series supports operations as a workgroup bridge; the Cisco Aironet 1130AG Series does not.

Q. How does the range of the Cisco Aironet 1130AG Series compare to the range of the Cisco Aironet 1100 Series?

- A.** The access point's performance is dependent upon many factors, including the radio and antenna design and the quality of the signals sent and received. Therefore, performance will vary with the unique environmental conditions under which the access points operate. In most cases, customer should experience greater range with the Cisco Aironet 1130AG Series than with the Cisco Aironet 1100 Series (for 802.11g rates).

Q. Which IEEE 802.11 wireless LAN standards does the Cisco Aironet 1130AG Series support?

- A.** The Cisco Aironet 1130AG Series supports the IEEE 802.11a, 802.11b, 802.11g, and 802.11i/WPA2 standards. For more information, please visit: <http://www.wi-fi.org>

Q. Is the Cisco Aironet 1130AG Series compliant with the 802.3af standard for inline power?

- A.** Yes. The Cisco Aironet 1130AG Series is compliant with IEEE 802.3af. The Cisco Aironet 1130AG Series is also compliant with Cisco prestandard Power over Ethernet (PoE). The Cisco Inline Power switch port must be capable of supplying at least 15.4W of power on the port, with at least 12.95W delivered to the powered devices.

Q. What are the inline power requirements for the Cisco Aironet 1130AG Series?

- A.** The Cisco Aironet 1130AG Series is compliant with the IEEE 802.3af standard, as well as Cisco prestandard PoE. It draws approximately 12.95W from an inline power source, so it requires a power source capable of providing this amount of power. While all 802.3af-compliant power-sourcing equipment (PSE) is capable of providing 12.95W to the powered device, not all Cisco PSE can provide this amount of power. If using Cisco PSE, check the documentation for its inline power-sourcing capabilities.

Q. Is the Cisco Aironet 1130AG Series WPA2-compliant?

- A.** Yes. The Cisco Aironet 1130AG Series is WPA2-compliant. WPA2 is the second generation of WPA specified by the Wi-Fi Alliance industry organization, and is based on the IEEE 802.11i standard for wireless LAN security. The Cisco Aironet 1130AG Series is backward-compatible with clients certified for the first-generation WPA (which provided security enhancements to the Wired Equivalent Privacy [WEP] algorithm), as well as with clients certified for the original WEP security.

For more information on WPA2, please visit: <http://www.wi-fi.org>

Q. What client devices are compatible with the Cisco Aironet 1130AG Series?

- A.** The Cisco Aironet 1130AG Series is interoperable with any 802.11a, 802.11b, or 802.11g Wi-Fi-certified client. Cisco clients and third-party Cisco Compatible clients and devices are interoperable with the Cisco Aironet 1130AG Series while also providing the enhanced wireless security and mobility inherent in a Cisco wireless LAN solution.

Q. What clients support WPA2?

- A.** For a list of WPA2-supported clients, please visit <http://www.wi-fi.org>. Any 802.11a/b/g client adapters supporting WPA2 are interoperable with the Cisco Aironet 1130AG Series. Cisco Aironet 802.11a/b/g wireless LAN adapters (CB21AG and PI21AG) are anticipated to receive WPA2 support in Q12005. Cisco Compatible Extension V3 client adapters will require WPA2 support. Third-party vendors will begin to introduce Cisco Compatible Extension V3 clients starting in the first half of 2005. Cisco Aironet 350 Series clients do not support WPA2, and there are no plans to add this support.

Q. Will the Cisco Aironet 1130AG Series support the Cisco Wireless IP Phone 7920 and 7921?

- A.** Yes. The Cisco Wireless IP Phone 7920 and 7921 are Wi-Fi-compliant and will interoperate with any Wi-Fi-compliant access point, including the Cisco Aironet 1130AG Series Access Point.

Q. What is included with the Cisco Aironet 1130AG Series?

- A.** The Cisco Aironet 1130AG Series Access Point ships with:

- Mounting accessories
 - Mounting plate
 - Security hasp
 - Suspended ceiling railway clips for flush and recessed ceiling tiles
 - Mounting hardware
- Quick start guide

Your package will also contain the power supply and power cord unless you select not to receive these items during the ordering process.

Q. What accessories are available for the Cisco Aironet 1130AG Series?

- A.** Additional accessories that can be ordered for the Cisco Aironet 1130AG Series are:

- Cisco Aironet Power Injector (AIR-PWRINJ3)
- Cisco Aironet Power Injector Media Converter (AIR-PWRINJ-FIB)

The Cisco Aironet Power Injector uses the power supply that ships with Cisco Aironet 1130AG Series access points.

Q. What antenna options are available for Cisco Aironet 1130AG Series access points?

- A.** The Cisco Aironet 1130AG Series has 3.0 and 4.5-dBi integrated diversity antennas for the 2.4 and 5 GHz bands, respectively. These antennas are integrated into the design—there are no separate antenna options.

Q. In which countries is the Cisco Aironet 1130AG Series available?

- A.** The Cisco Aironet 1130AG Series operates in both the 2.4 and 5 GHz frequency bands. While the 2.4 GHz band is universally available for un-licensed use for devices such as wireless LANs, not all countries allow operation in the 5 GHz band. Therefore, the Cisco Aironet 1130AG Series is certified for use only in select countries. To determine the availability of the Cisco Aironet 1130AG Series for your country, please visit:
<http://www.cisco.com/go/aironet/compliance>

Q. When will the Cisco Aironet 1130AG Series support the expanded channel set within the FCC regulatory domain?

- The Cisco Aironet 1130AG Series does support the 802.11h standard, which allows for operation across the 5 GHz band within the ETSI regulatory domain. When the FCC finalizes its radar detection requirements (expected in the second half of 2005), Cisco will support these regulatory requirements and provide an expanded 5 GHz channel set for this regulatory domain following the standard FCC approval process.

A. Yes, the Cisco Aironet 1130AG Series is operable in Europe. The Cisco Aironet 1130AG Series Access Point is dual-band; it operates in the 2.4 and 5-GHz bands. According to the ECC Decision ECC/DEC(04)08, WLAN devices operating in the 5 GHz band must implement the Dynamic Frequency Selection (DFS) requirement, which includes radar detection.

For country-specific information on frequency and power applicable under the interim regulations, see the compliance document that ships with the product.



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