



## Cisco Aironet 1300 Series Outdoor Access Point or Bridge

The Cisco® Aironet® 1300 Series Outdoor Access Point or Bridge is available with the following choices:

- Operating autonomously or with a Cisco wireless LAN controller as part of a unified architecture
- With a 13-dBi integrated antenna or with RP-TNC connectors for an externally attached antenna
- For the FCC, ETSI, or TELEC regulatory domains

Twelve versions are available for different combinations of these options:

- Cisco Aironet 1310 Outdoor Access Point/Bridge with 13-dBi integrated antenna, FCC config
- Cisco Aironet 1310 Outdoor Access Point/Bridge with 13-dBi integrated antenna, ETSI config
- Cisco Aironet 1310 Outdoor Access Point/Bridge with 13-dBi integrated antenna, TELEC config
- Cisco Aironet 1310 Outdoor Access Point/Bridge with RP-TNC type Connectors, FCC config
- Cisco Aironet 1310 Outdoor Access Point/Bridge with RP-TNC type Connectors, ETSI config
- Cisco Aironet 1310 Outdoor Access Point/Bridge with RP-TNC type Connectors, TELEC config
- Cisco Aironet 1310 LWAPP Outdoor Access Point with 13-dBi integrated antenna, FCC config
- Cisco Aironet 1310 LWAPP Outdoor Access Point with 13-dBi integrated antenna, ETSI config
- Cisco Aironet 1310 LWAPP Outdoor Access Point with 13-dBi integrated antenna, TELEC config
- Cisco Aironet 1310 LWAPP Outdoor Access Point with RP-TNC type connectors, FCC config
- Cisco Aironet 1310 LWAPP Outdoor Access Point with RP-TNC type connectors, ETSI config
- Cisco Aironet 1310 LWAPP Outdoor Access Point with RP-TNC type connectors, TELEC config

A Cisco Aironet 1300 Series device operating autonomously is an intelligent access point or bridge, capable of functioning as a standalone device. As an LWAPP access point, the Cisco Aironet 1300 Series works along with the Cisco wireless LAN controller to enable centralized configuration and management, application of security policies, and seamless mobility. When operating with wireless LAN controllers, Cisco Aironet 1300 Series Outdoor Access Points/Bridges function only as access points and are not capable of bridging.

The integrated antenna versions feature a radio and high-gain patch antenna for user installations of either point-to-point links or non-root nodes of point-to-multipoint networks. The connectorized versions provide professional installers with RP-TNC type connectors that allow the deployment of nodes with omnidirectional, sector, or high-gain dish antennas for longer links. In all cases, the mounting kit must be ordered separately.

All parts, along with accessories such as the Roof Mount Kit, Wall Mount Kit, cable, antennas, and power supplies, are available on the Cisco Systems® global and wholesale price lists.

### **Cisco Aironet 1300 Series Outdoor Access Point or Bridge with 13-dBi Integrated Antenna**

The Cisco Aironet 1300 Series Outdoor Access Point or Bridge features an 802.11g 2.4-GHz radio, which supports data rates up to 54 Mbps. With this option, a 13-dBi patch antenna is integrated into the ruggedized enclosure (Table 1).

**Table 1.** Cisco Aironet 1300 Series Outdoor Access Point or Bridge with Integrated Antenna

Product Number	Product Description
<b>AIR-BR1310G-A-K9 (FCC regulatory domain)</b> <b>AIR-BR1310G-E-K9 (EMEA regulatory domain)</b> <b>AIR-BR1310G-J-K9 (TELEC regulatory domain)</b>	<ul style="list-style-type: none"> <li>• Cisco Aironet 1300 Series Outdoor Access Point or Bridge with integrated patch antenna</li> <li>• Cisco IOS® Software</li> <li>• Ships with: <ul style="list-style-type: none"> <li>◦ Power cord (configurable)</li> <li>◦ 100 to 240 VAC power supply (AIR-PWR-A=) providing 48 VDC to the power injector</li> <li>◦ 48 VDC power injector (AIR-PWRINJ-BLR2=)</li> <li>◦ 1-ft dual RG-6 cable assembly (Ethernet uplink from power injector)</li> </ul> </li> <li>• Roof Mount Kit available separately (AIR-ACCRMK1300=)</li> <li>• 12 to 40 VDC power injector (AIR-PWRINJ-BLR2T=) for use with DC power supply installations available separately</li> </ul>
<b>AIR-LAP1310G-A-K9 (FCC regulatory domain)</b> <b>AIR-LAP1310G-E-K9 (EMEA regulatory domain)</b> <b>AIR-LAP1310G-J-K9 (TELEC regulatory domain)</b>	<ul style="list-style-type: none"> <li>• Cisco Aironet 1300 Series Outdoor Access Point with integrated patch antenna</li> <li>• Cisco Lightweight Access Point Protocol</li> <li>• Ships with: <ul style="list-style-type: none"> <li>◦ Power cord (configurable)</li> <li>◦ 100 to 240 VAC power supply (AIR-PWR-A=) providing 48 VDC to the power injector</li> <li>◦ 48 VDC power injector (AIR-PWRINJ-BLR2=)</li> <li>◦ 1-ft dual RG-6 cable assembly (Ethernet uplink from power injector)</li> </ul> </li> <li>• Roof Mount Kit available separately (AIR-ACCRMK1300=)</li> <li>• 12 to 40 VDC power injector (AIR-PWRINJ-BLR2T=) for use with DC power supply installations available separately</li> </ul>

### Cisco Aironet 1300 Series Outdoor Access Point/Bridge with RP-TNC Type Connectors

A connectorized version of the Cisco Aironet 1300 Series Outdoor Access Point or Bridge provides professional installers with RP-TNC type connectors that allow the deployment of nodes with omnidirectional, sector, or high-gain dish antennas for custom installations (Table 2).

**Table 2.** Cisco Aironet 1300 Series Outdoor Access Point/Bridge with RP-TNC Type Connectors

Product Number	Product Description
<b>AIR-BR1310G-A-K9-R (FCC regulatory domain)</b> <b>AIR-BR1310G-E-K9-R (EMEA regulatory domain)</b> <b>AIR-BR1310G-J-K9-R (TELEC regulatory domain)</b>	<ul style="list-style-type: none"> <li>• Cisco Aironet 1300 Series Outdoor Access Point or Bridge with RP-TNC type connector</li> <li>• Cisco IOS Software</li> <li>• Ships with: <ul style="list-style-type: none"> <li>◦ Power cord (configurable)</li> <li>◦ 100 to 240 VAC power supply (AIR-PWR-A=) providing 48 VDC to the power injector</li> <li>◦ 48 VDC power injector (AIR-PWRINJ-BLR2=)</li> <li>◦ 1-ft dual RG-6 cable assembly (Ethernet uplink from power injector)</li> </ul> </li> <li>• Roof Mount Kit (AIR-ACCRMK1300=) and Wall Mount Kit (AIR-ACCWAMK1300=) available separately</li> <li>• Optional 5-ft, 2.4-GHz RF jumper cable available separately</li> <li>• Antennas available separately</li> </ul>
<b>AIR-LAP1310G-A-K9R (FCC regulatory domain)</b> <b>AIR-LAP1310G-E-K9R (EMEA regulatory domain)</b> <b>AIR-LAP1310G-J-K9R (TELEC regulatory domain)</b>	<ul style="list-style-type: none"> <li>• Cisco Aironet 1300 Series Outdoor Access Point with RP-TNC type connector</li> <li>• Cisco Lightweight Access Point Protocol</li> <li>• Ships with: <ul style="list-style-type: none"> <li>◦ Power cord (configurable)</li> <li>◦ 100 to 240 VAC power supply (AIR-PWR-A=) providing 48 VDC to the power injector</li> <li>◦ 48 VDC power injector (AIR-PWRINJ-BLR2=)</li> <li>◦ 1-ft dual RG-6 cable assembly (Ethernet uplink from power injector)</li> </ul> </li> <li>• Roof Mount Kit (AIR-ACCRMK1300=) and Wall Mount Kit (AIR-ACCWAMK1300=) available separately</li> <li>• Optional 5-ft, 2.4-GHz RF jumper cable available separately</li> <li>• Antennas available separately</li> </ul>
<b>AIR_BR1310G-A-K9-T (FCC regulatory domain for Transportation)</b>	<ul style="list-style-type: none"> <li>• Ships with: <ul style="list-style-type: none"> <li>◦ 12 to 40 VDC power injector (AIR-PWRINJ-BLR2T=) for use with DC power supply installations</li> <li>◦ 1-ft dual RG-6 cable assembly (Ethernet uplink from power injector)</li> <li>◦ Threaded power connector</li> </ul> </li> </ul>

## Software Options

Cisco Aironet 1300 Series devices can be ordered as an autonomous access point or bridge (AIR-BR1310G-x-K9 or AIR-BR1310G-x-K9 R). Alternatively, you can order an LWAPP-based version that works along with Cisco wireless LAN controllers (AIR-LAP1310G-x-K9 or AIR-LAP1310AG-x-K9R). When you order an autonomous Cisco Aironet 1300 Series device, you must select the software image as part of the configuration. When you order an LWAPP-based Cisco Aironet 1300 Series device, no software need be specified because this is managed by the controller.

## Mounting Kits for Cisco Aironet 1300 Series Outdoor Access Point/Bridges

A Roof Mount Kit is available for use with the Cisco Aironet 1300 Series Outdoor Access Point or Bridge (integrated antenna and connectorized versions). A Wall Mount Kit is available for use with the Cisco Aironet 1300 Series Outdoor Access Point or Bridge with the RP-TNC type connector. The Wall Mount Kit is for indoor use only. These kits must be ordered separately (Table 3).

**Table 3.** Mounting Kits for Cisco Aironet 1300 Series Outdoor Access Point or Bridge

Product Number	Product Description
<b>AIR-ACCWAMK1300=</b>	<ul style="list-style-type: none"> <li>• Cisco Aironet 1300 Series Wall Mount Kit for use with AIR-BR1310G-x-K9-R or AIR-LAP1310G-x-K9R</li> <li>• Kit includes:               <ul style="list-style-type: none"> <li>◦ Wall-mount bracket</li> <li>◦ Mounting hardware</li> <li>◦ 1-ft, dual RG-59 cable assembly (Ethernet uplink from power injector)</li> </ul> </li> </ul>
<b>AIR-ACCRMK1300=</b>	<ul style="list-style-type: none"> <li>• Cisco Aironet 1300 Series Roof Mount Kit for use with AIR-BR1310G-x-K9, AIR-BR1310G-x-K9-R, AIR-LAP1310G-x-K9, or AIR-LAP1310G-x-K9R</li> <li>• Kit includes:               <ul style="list-style-type: none"> <li>◦ Roof-mount mast (pole and mounting base)</li> <li>◦ Multifunction mount (allows mounting to roof-mount mast, or directly to a wall)</li> <li>◦ Mounting hardware</li> <li>◦ 20-ft dual RG-6 cable assembly with F-Type connectors</li> <li>◦ 50-ft dual RG-6 cable assembly with F-Type connectors</li> <li>◦ Coaxial sealant</li> <li>◦ One Cisco Aironet grounding block</li> <li>◦ Grounding lug</li> <li>◦ Anticorrosion gel</li> <li>◦ U-bolts</li> <li>◦ Optional 100-ft dual RG-6 cable available separately</li> </ul> </li> </ul>

## Antennas for Cisco Aironet 1300 Series Outdoor Access Point or Bridge with RP-TNC Type Connectors

The Cisco Aironet 1300 Series Outdoor Access Point or Bridge with RP-TNC type connectors is certified to operate with the complete range of Cisco 2.4-GHz antennas listed in Table 4. Note that some high-gain antennas are applicable only for the Cisco Aironet 1300 Series operating as a bridge. Because of this, and because the LWAPP-based Cisco Aironet 1300 Series operates only as an access point, these antennas are not supported by Cisco wireless LAN controllers or in the Cisco Wireless Control Software (WCS). The antennas that are not supported by wireless LAN controllers or WCS are marked by an asterisk in Table 4.

Antennas must be ordered separately.

**Table 4.** Antennas for the Cisco Aironet 1300 Series Outdoor Access Point or Bridge with RP-TNC Type Connector

Product Number	Product Description
<b>AIR-ANT2414S-R*</b>	Cisco Aironet 2.4-GHz, 14-dBi sector antenna
<b>AIR-ANT2506</b>	Cisco Aironet 2.4-GHz, 5.2-dBi omnidirectional mast-mount antenna
<b>AIR-ANT24120*</b>	Cisco Aironet 2.4-GHz, 12-dBi omnidirectional mast-mount antenna

Product Number	Product Description
<b>AIR-ANT1949*</b>	Cisco Aironet 2.4-GHz, 13.5-dBi Yagi antenna
<b>AIR-ANT2410Y-R</b>	Cisco Aironet 2.4-GHz , 10-dBi Yagi antenna
<b>AIR-ANT3338*</b>	Cisco Aironet 2.4-GHz, 21-dBi dish antenna
<b>AIR-ANT3549</b>	Cisco Aironet 2.4-GHz, 9-dBi patch antenna

\* This antenna is not supported by the wireless LAN controllers or by WCS

### Optional Cables for Cisco Aironet 1300 Series Outdoor Access Point or Bridge

Additional cables are available for use with 2.4-GHz antennas (Table 5).

**Table 5.** Optional Cables for Cisco Aironet 1300 Series Outdoor Access Point or Bridge

Product Number	Product Description
<b>AIR-CAB005LL-R</b>	Cisco Aironet 5-ft, low-loss, 2.4-GHz RF cable with RP-TNC connectors
<b>AIR-CAB020LL-R</b>	20-ft low loss cable assembly with RP-TNC connectors
<b>AIR-CAB050LL-R</b>	50 ft low loss cable assembly with RP-TNC connectors
<b>AIR-CAB100ULL-R</b>	100 ft ultra low loss cable assembly with RP-TNC connectors



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