

Cisco Aironet 1140 Series Access Point

The Cisco® Aironet® 1140 Series Access Point is a business-ready, indoor access point designed for simple deployment and energy efficiency. The 1140 Series is a dual-band, 802.11n access point with integrated antennas. It can be ordered in a controller-based* (lightweight) or Standalone (autonomous) version. It may also be ordered with a single-band 802.11g/n (2.4-GHz) radio for use in regulatory domains that do not allow 802.11a (5-GHz) operation.

*The Cisco Unified Wireless Network supports two architectural options - standalone and controller-based. The standalone solution does not require controllers and is ideal for small scale or distributed deployments. The controller-based option is recommended for businesses of any size and deployment topology. It is the most scalable solution and delivers the greatest flexibility and feature velocity for distributed or centralized deployments.



The Cisco Aironet 1140 Series ships with the following:

- Access point
- Software: Cisco Lightweight Access Point Protocol (LWAPP)¹ software with the Controller-based version or Cisco IOS Software with the Standalone version
- Mounting plate, security hasp, pair of ceiling-tile clips, and hardware accessory package
- Documentation CD

The Cisco Aironet 1140 Series is available in several stock keeping units (SKUs), each of which identifies a particular regulatory domain (Tables 1 and 2). Each version provides a unique combination of channel and power settings that are compliant with local government regulations. To verify which version is operable in your country, visit <http://www.cisco.com/go/aironet/compliance>.

Table 1. Cisco Aironet 1140 Series Controller-based SKUs and Regulatory Domains (Dual-Band 802.11a/g/n)

Part Number	Description	SMARTnet 8x5xNBD
AIR-LAP1142N-A-K9	802.11a/g/n Controller-based AP; Int Ant; FCC Cfg	CON-SNT-1142NAK
AIR-LAP1142N-C-K9	802.11a/g/n Controller-based AP; Int Ant; China Cfg	CON-SNT-L1142NC
AIR-LAP1142N-E-K9	802.11a/g/n Controller-based AP; Int Ant; ETSI Cfg	CON-SNT-LAP1142E
AIR-LAP1142N-I-K9	802.11a/g/n Controller-based AP; Int Ant; Middle East Cfg	CON-SNT-LAP1142I
AIR-LAP1142N-K-K9	802.11a/g/n Controller-based AP; Int Ant; Korea Cfg	CON-SNT-LAP1142K
AIR-LAP1142N-N-K9	802.11a/g/n Controller-based AP; Int Ant; Non-FCC Cfg	CON-SNT-L1142NN
AIR-LAP1142N-P-K9	802.11a/g/n Controller-based AP; Int Ant; Japan Cnfg	CON-SNT-LAP1142P

¹ When the Cisco Aironet 1140 Series operates as a lightweight access point, a Cisco Wireless LAN (WLAN) Controller is required.

Part Number	Description	SMARTnet 8x5xNBD
AIR-LAP1142N-S-K9	802.11a/g/n Controller-based AP; Int Ant; Singapore Cfg	CON-SNT-LAP1142S
AIR-LAP1142N-T-K9	802.11a/g/n Controller-based AP; Int Ant; Taiwan C	CON-SNT-LAP1142T

Table 2. Cisco Aironet 1140 Series Controller-based SKUs and Regulatory Domains (Single-Band 802.11g/n)

Part Number	Description	SMARTnet 8x5xNBD
AIR-LAP1141N-A-K9	802.11g/n Controller-based AP; Int Ant; FCC Cfg	CON-SNT-LAP1141A
AIR-LAP1141N-E-K9	802.11g/n Controller-based AP; Int Ant; ETSI Cfg	CON-SNT-LAP1141E
AIR-LAP1141N-P-K9	802.11g/n Controller-based AP; Int Ant; Japan Cfg	CON-SNT-LAP1141P

Table 3. Cisco Aironet 1140 Series Standalone SKUs and Regulatory Domains (Dual-Band 802.11a/g/n)

Part Number	Description	SMARTnet 8x5xNBD
AIR-AP1142N-A-K9	802.11a/g/n Standalone AP; Int Ant; FCC Cfg	CON-SNT-1142NAK
AIR-AP1142N-C-K9	802.11a/g/n Standalone AP; Int Ant; China Cfg	CON-SNT-L1142NC
AIR-AP1142N-E-K9	802.11a/g/n Standalone AP; Int Ant; ETSI Cfg	CON-SNT-LAP1142E
AIR-AP1142N-I-K9	802.11a/g/n Standalone AP; Int Ant; Middle East Cfg	CON-SNT-LAP1142I
AIR-AP1142N-K-K9	802.11a/g/n Standalone AP; Int Ant; Korea Cfg	CON-SNT-LAP1142K
AIR-AP1142N-N-K9	802.11a/g/n Standalone AP; Int Ant; Non-FCC Cfg	CON-SNT-L1142NN
AIR-AP1142N-P-K9	802.11a/g/n Standalone AP; Int Ant; Japan Cnfg	CON-SNT-LAP1142P
AIR-AP1142N-S-K9	802.11a/g/n Standalone AP; Int Ant; Singapore Cfg	CON-SNT-LAP1142S
AIR-AP1142N-T-K9	802.11a/g/n Standalone AP; Int Ant; Taiwan C	CON-SNT-LAP1142T

Table 4. Cisco Aironet 1140 Series Standalone SKUs and Regulatory Domains (Single-Band 802.11g/n)

Part Number	Description	SMARTnet 8x5xNBD
AIR-AP1141N-A-K9	802.11g/n Standalone AP; Int Ant; FCC Cfg	CON-SNT-LAP1141A
AIR-AP1141N-E-K9	802.11g/n Standalone AP; Int Ant; ETSI Cfg	CON-SNT-LAP1141E
AIR-AP1141N-P-K9	802.11g/n Standalone AP; Int Ant; Japan Cfg	CON-SNT-LAP1141P

Power Options

The Cisco Aironet 1140 Series can be powered with an 802.3af switch, a power supply, or power injector. No powering device is included with the access point. Customers who intend to power the access point from an inline power-capable switch do not require a power supply.

Power Injector

A Cisco Aironet power injector is not included with the Cisco Aironet 1140 Series and may be purchased separately (Table 5).

Table 5. Cisco Aironet 1140 Series Power Injector Product Numbers

Product Number	Product Description
AIR-PWRINJ4=	Cisco Aironet Power Injector for the 1140 Series (Spare)

Power Supply

A Cisco Aironet power supply is not included with the Cisco Aironet 1140 Series and may be purchased separately (Table 6). The AIR-PWR-B is the recommended power supply for the 1140 Series. The AIR-PWR-SPLY1 may also be used to power the 1140 Series.

Table 6. Cisco Aironet 1140 Power Supply Product Numbers

Product Number	Product Description
AIR-PWR-B=	Power Supply for 1140 Series (Spare)

Mounting Bracket

A mounting bracket is included with the Cisco Aironet 1140 Series. Additional brackets may be purchased separately (Table 7).

Table 7. The Cisco Aironet 1140 Series Mounting Bracket Part Number

Product Number	Product Description
AIR-AP1140MNTGKIT=	AP1140 Access Point Ceiling/Wall Mount Bracket Kit-spare

Customers who plan to replace 1130 Series access points with the 1140 Series can purchase a retrofit mounting kit separately (Table 8). Simply install the new retrofit kit on the back of the 1140 Series, remove the 1130 Series from the ceiling, and slide the 1140 Series with the retrofit mounting kit onto the existing ceiling bracket.

Table 8. The Cisco Aironet 1140 Series Retrofit Mounting Kit Part Number

Product Number	Product Description
AIR-AP1140RETROMT=	1140 Mounting kit: Fits AP to 1130 brackets- spare

Cisco Aironet 1140 Series Eco-Pack

Cisco Aironet 1140 Series Eco-Packs ship with 10 controller-based (lightweight) access points or 5 standalone access points and are designed to reduce product packaging and preserve the environment (Table 9). Note that power supplies and power cords are not included with the eco-pack. For customers who require local power, power supplies and power cords need to be ordered as separate line items.

Note: The single-band 802.11g/n Cisco Aironet 1140 Series (AIR-LAP1141N or AIR-AP1141N) is not available in an eco-pack.

Table 9. Promotional Pricing SKUs and Regulatory Domains for the Cisco Aironet 1140 Series Controller-based Eco-Pack

Part Number	Description	SMARTnet 8x5xNBD
AIR-LAP1142-AK9-PR	802.11a/g/n LWAPP AP Integrated Antennas FCC Cnfg, 10 APs	Qty (10) CON-SNT-1142NAK
AIR-LAP1142-CK9-PR	802.11a/g/n LWAPP AP Integrated Antennas China Cnfg, 10 APs	Qty (10) CON-SNT-L1142NC
AIR-LAP1142-EK9-PR	802.11a/g/n LWAPP AP Integrated Antennas ETSI Cnfg, 10 APs	Qty (10) CON-SNT-LAP1142E
AIR-LAP1142-IK9-PR	802.11a/g/n LWAPP AP Integrated Antennas EU2 Cnfg, 10 APs	Qty (10) CON-SNT-LAP1142I
AIR-LAP1142-KK9-PR	802.11a/g/n LWAPP AP Integrated Antennas Korea Cnfg, 10 APs	Qty (10) CON-SNT-LAP1142K
AIR-LAP1142-NK9-PR	802.11a/g/n LWAPP AP Integrated Antennas AU Cnfg, 10 APs	Qty (10) CON-SNT-L1142NN
AIR-LAP1142-PK9-PR	802.11a/g/n LWAPP AP Integrated Antennas JPN2 Cnfg, 10 APs	Qty (10) CON-SNT-LAP1142P
AIR-LAP1142-SK9-PR	802.11a/g/n LWAPP AP Integrated Antennas SG Cnfg, 10 APs	Qty (10) CON-SNT-LAP1142S
AIR-LAP1142-TK9-PR	802.11a/g/n LWAPP AP Integrated Antennas Taiwan Cnfg, 10 Aps	Qty (10) CON-SNT-LAP1142T

Table 10. Cisco Aironet 1140 Series Controller-based Eco-Pack SKUs and Regulatory Domains (Promotional Pricing Not Included)

Part Number	Description	SMARTnet 8x5xNBD
AIR-LAP1142-AK9-10	802.11a/g/n LWAPP AP Integrated Antennas FCC Cnfg, 10 APs	Qty (10) CON-SNT-1142NAK
AIR-LAP1142-CK9-10	802.11a/g/n LWAPP AP Integrated Antennas China Cnfg, 10 APs	Qty (10) CON-SNT-L1142NC
AIR-LAP1142-EK9-10	802.11a/g/n LWAPP AP Integrated Antennas ETSI Cnfg, 10 APs	Qty (10) CON-SNT-LAP1142E
AIR-LAP1142-IK9-10	802.11a/g/n LWAPP AP Integrated Antennas EU2 Cnfg, 10 APs	Qty (10) CON-SNT-LAP1142I

Part Number	Description	SMARTnet 8x5xNBD
AIR-LAP1142-KK9-10	802.11a/g/n LWAPP AP Integrated Antennas Korea Cnfg, 10 APs	Qty (10) CON-SNT-LAP1142K
AIR-LAP1142-NK9-10	802.11a/g/n LWAPP AP Integrated Antennas AU Cnfg, 10 APs	Qty (10) CON-SNT-L1142NN
AIR-LAP1142-PK9-10	802.11a/g/n LWAPP AP Integrated Antennas JPN2 Cnfg, 10 APs	Qty (10) CON-SNT-LAP1142P
AIR-LAP1142-SK9-10	802.11a/g/n LWAPP AP Integrated Antennas SG Cnfg, 10 APs	Qty (10) CON-SNT-LAP1142S
AIR-LAP1142-TK9-10	802.11a/g/n LWAPP AP Integrated Antennas Taiwan Cnfg, 10 Aps	Qty (10) CON-SNT-LAP1142T

Table 11. Promotional Pricing SKUs and Regulatory Domains for the Cisco Aironet 1140 Series Standalone Eco-Pack

Part Number	Description
AIR-AP1142-AK9-5PR	802.11a/g/n Standalone AP Integrated Antennas FCC Cnfg, 5 APs
AIR-AP1142-CK9-5PR	802.11a/g/n Standalone AP Integrated Antennas China Cnfg, 5 APs
AIR-AP1142-EK9-5PR	802.11a/g/n Standalone AP Integrated Antennas ETSI Cnfg, 5 APs
AIR-AP1142-UK9-5PR	802.11a/g/n Standalone AP Integrated Antennas EU2 Cnfg, 5 APs
AIR-AP1142-KK9-5PR	802.11a/g/n Standalone AP Integrated Antennas Korea Cnfg, 5 APs
AIR-AP1142-NK9-5PR	802.11a/g/n Standalone AP Integrated Antennas AU Cnfg, 5 APs
AIR-AP1142-PK9-5PR	802.11a/g/n Standalone AP Integrated Antennas JPN2 Cnfg, 5 APs
AIR-AP1142-SK9-5PR	802.11a/g/n Standalone AP Integrated Antennas SG Cnfg, 5 APs
AIR-AP1142-TK9-5PR	802.11a/g/n Standalone AP Integrated Antennas Taiwan Cnfg, 5 APs

Cisco Wireless LAN Services

Cisco and our specialized partners offer a broad portfolio of end-to-end services to help customers improve their organization's productivity and collaboration by assisting with the readiness, deployment and optimization of your wireless network and mobility services. Our services help successfully deploy the Cisco Aironet 1140 Series and integrate mobility solutions effectively to lower the total cost of ownership and secure your wireless network. To learn more about Cisco Wireless LAN Service offers, please visit <http://www.cisco.com/go/wirelesslanservices>.

Cisco WLAN Advanced Services Consulting is available for the planning, deployment and optimization stages to help ensure the successful integration of the Cisco Aironet 1140 Series in your network (Table 12).

Please, contact your Cisco Sales representative with the information required for a pricing quote:

- Number of sites
- Desired coverage area (square feet or square miles)
- Estimated number of access points per site
- Advanced Mobility Services and required applications

Table 12. Cisco Aironet 1140 Series Planning and Deployment Consulting Services

Part Number	Service Name
CON-AS-WLAN-PD	Cisco Wireless LAN 802.11n Readiness Assessment Service
CON-AS-WLAN-PD	Cisco Wireless LAN 802.11n Migration Service
CON-AS-WLAN	Cisco Wireless LAN Optimization Service

Ordering Information

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



Americas Headquarters
Cisco Systems, Inc.
San Jose, CA

Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
Singapore

Europe Headquarters
Cisco Systems International BV
Amsterdam, The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at www.cisco.com/go/offices.

CCDE, CCENT, CCSI, Cisco Eos, Cisco Explorer, Cisco HealthPresence, Cisco IronPort, the Cisco logo, Cisco Nurse Connect, Cisco Pulse, Cisco SensorBase, Cisco StackPower, Cisco StadiumVision, Cisco TelePresence, Cisco TrustSec, Cisco Unified Computing System, Cisco WebEx, DCE, Flip Channels, Flip for Good, Flip Mino, Flipshare (Design), Flip Ultra, Flip Video, Flip Video (Design), Instant Broadband, and Welcome to the Human Network are trademarks; Changing the Way We Work, Live, Play, and Learn, Cisco Capital, Cisco Capital (Design), Cisco-Financed (Stylized), Cisco Store, Flip Gift Card, and One Million Acts of Green are service marks; and Access Registrar, Aironet, AllTouch, AsyncOS, Bringing the Meeting To You, Catalyst, CCDA, CCDP, CCIE, CCIP, CCNA, CCNP, CCSP, CCVP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, Cisco Lumin, Cisco Nexus, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Cisco Unity, Collaboration Without Limitation, Continuum, EtherFast, EtherSwitch, Event Center, Explorer, Follow Me Browsing, GainMaker, iLYNX, IOS, iPhone, IronPort, the IronPort logo, Laser Link, LightStream, Linksys, MeetingPlace, MeetingPlace Chime Sound, MGX, Networkers, Networking Academy, PCNow, PIX, PowerKEY, PowerPanels, PowerTV, PowerTV (Design), PowerVu, Prisma, ProConnect, ROSA, SenderBase, SMARTnet, Spectrum Expert, StackWise, WebEx, and the WebEx logo are registered trademarks of Cisco and/or its affiliates in the United States and certain other countries.

All other trademarks mentioned in this document or website are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1002R)

Printed in USA

C78-502797-04 02/10