AIR-AP1131AG-E-K9
Datasheet

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Overview

Cisco® Aironet® 1130AG Series IEEE 802.11a/b/g access point AIR-AP1131AG-E-K9 provides high-capacity, high-security, enterprise-class features in an unobtrusive, office-class design, delivering WLAN access with the lowest total cost of ownership. With high-performing dual IEEE 802.11a and 802.11g radios, the Cisco Aironet 1130AG Series provides a combined capacity of up to 108 Mbps to meet the needs of growing WLANs. Hardware-assisted Advanced Encryption Standard (AES) or temporal key integrity protocol (TKIP) encryption provides uncompromised support for interoperable IEEE 802.11i, Wi-Fi Protected Access 2 (WPA2) or WPA security. The Cisco Aironet 1130AG Series uses radio and network management features for simplified deployment, along with built-in omnidirectional antennas that provide robust and predictable WLAN coverage for offices and similar RF environments. The competitively priced Cisco Aironet 1130AG Series is ready to install and easy to manage, reducing the cost of deployment and ongoing maintenance.

Quick Spec

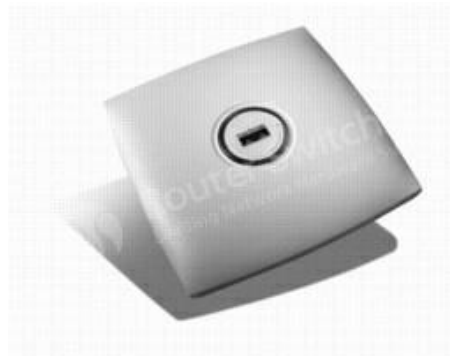**Figure 1 shows the appearance of AIR-AP1131AG-E-K9.**

Table 1 shows the quick spec.

Part Number	AIR-AP1131AG-E-K9
Product Description	802.11a, .11g AP, Int Radios, Ants, ETSI Cnfg 1130AG Series Access Points
System Memory	• 32 MB RAM • 16 MB FLASH
Input Power Requirements	• 100-240 VAC; 50-60Hz (power supply) • 36-57 VDC (device)
Power Draw	12.2W maximum
Dimensions (H x W x D)	7.5 in. x 7.5 in. x 1.3 in. (19.1 x 19.1 x 3.3 cm)
Weight	1.5 lb (0.67 kg)
Network Standard	IEEE 802.11a, 802.11b, and 802.11g
Data Rates Supported	• 802.11a: 6, 9, 12, 18, 24, 36, 48, and 54 Mbps • 802.11g: 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, and 54 Mbps

Compare to Similar Items

Table 2 shows the comparison between AIR-AP1131AG-E-K9 and AIR-AP1131AG-A-K9.

Part Number	AIR-AP1131AG-E-K9	AIR-AP1131AG-A-K9

Product Description	802.11a, .11g AP, Int Radios, Ants, ETSI Cnfg 1130AG Series Access Points	802.11a, .11g AP, Int Radios, Ants, FCC Cnfg 1130AG Series Access Points
System Memory	• 32 MB RAM • 16 MB FLASH	• 32 MB RAM • 16 MB FLASH
Input Power Requirements	• 100-240 VAC; 50-60Hz (power supply) • 36-57 VDC (device)	• 100-240 VAC; 50-60Hz (power supply) • 36-57 VDC (device)
Power Draw	12.2W maximum	12.2W maximum
Dimensions (H x W x D)	7.5 in. x 7.5 in. x 1.3 in. (19.1 x 19.1 x 3.3 cm)	7.5 in. x 7.5 in. x 1.3 in. (19.1 x 19.1 x 3.3 cm)
Weight	1.5 lb (0.67 kg)	1.5 lb (0.67 kg)

Get more information

Do you have any question about the AIR-AP1131AG-E-K9?

Contact us now via **Live Chat** or **sales@gntme.com**

Specification

AIR-AP1131AG-E-K9 Specification	
Part Number	AIR-AP1131AG-E-K9
Product Description	802.11a, .11g AP, Int Radios, Ants, ETSI Cnfg 1130AG Series Access Points
Software	Cisco Unified Wireless Network Software Release 4.0 or later.
Data Rates Supported	• 802.11a: 6, 9, 12, 18, 24, 36, 48, and 54 Mbps • 802.11g: 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, and 54 Mbps
Network Standard	IEEE 802.11a, 802.11b, and 802.11g
Uplink	Autosensing 802.3 10/100BASE-T Ethernet

Frequency Band and Operating Channels	Americas (FCC) • 2.412 to 2.462 GHz; 11 channels •5.15 to 5.35, 5.725 to 5.825 GHz; 12 channels China • 2.412 to 2.472 GHz; 13 channels •5.725 to 5.825 GHz; 4 channels ETSI • 2.412 to 2.472 GHz; 13 channels •5.15 to 5.725 GHz; 19 channels Israel • 2.432 to 2.472 GHz; 9 channels •5.15 to 5.35 GHz, 8 channels Japan (TELEC) • 2.412 to 2.472 GHz; 13 channels Orthogonal Frequency Division Multiplexing (OFDM) • 2.412 to 2.484 GHz; 14 channels Complementary Code Keying (CCK) •5.15 to 5.25 GHz; 4 channels Japan-P (TELEC 2 (Japan2) Cnfg) • 2.412 to 2.472 GHz; 13 channels Orthogonal Frequency Division Multiplexing (OFDM) • 2.412 to 2.484 GHz; 14 channels Complementary Code Keying (CCK) •5.15 to 5.35 GHz; 8 channels Japan-Q • 2.412 to 2.472 GHz; 13 channels Orthogonal Frequency Division Multiplexing (OFDM) • 2.412 to 2.484 GHz; 14 channels Complementary Code Keying (CCK) • 5.15 to 5.35 GHz, 8 channels •5.470 to 5.725 GHz, 11 channels Korea • 2.412 to 2.472 GHz; 13 channels •5.15 to 5.35, 5.46 to 5.72, 5.725 to 5.825, 19 channels North America • 2.412 to 2.462 GHz; 11 channels •5.15 to 5.35, 5.725 to 5.825 GHz; 12 channels Singapore • 2.412 to 2.472 GHz, 13 channels •5.15 to 5.35 GHz, 8 channels and 5.725 to 5.825 GHz, 12 channels Taiwan • 2.412 to 2.462 GHz, 11 channels • 5.25-5.35 GHz, 5.725 to 5.825, 7 channels		
Nonoverlapping Channels	802.11a: Up to 19		802.11b/g: 3
Receive Sensitivity (Typical)	802.11a: 6 Mbps: -87 dBm 9 Mbps: -86 dBm 12 Mbps: -85 dBm 18 Mbps: -84 dBm 24 Mbps: -80 dBm 36 Mbps: -78 dBm 48 Mbps: -73 dBm 54 Mbps: -71 dBm		802.11g: 1 Mbps: -93 dBm 2 Mbps: -91 dBm 5.5 Mbps: -88 dBm 6 Mbps: -86 dBm 9 Mbps: -85 dBm 11 Mbps: -85 dBm 12 Mbps: -84 dBm 18 Mbps: -83 dBm 24 Mbps: -79 dBm 36 Mbps: -77 dBm 48 Mbps: -72 dBm 54 Mbps: -70 dBm
Available Transmit Power Settings (Maximum Power Setting Will Vary by Channel and According to Individual Country Regulations)	802.11a: OFDM: 17 dBm (50 mW) 15 dBm (30 mW) 14 dBm (25 mW) 11 dBm (12 mW) 8 dBm (6 mW) 5 dBm (3 mW) 2 mW (2 dBm) -1 dBm (1 mW)	802.11b: CCK: 20 dBm (100 mW) 17 dBm (50 mW) 14 dBm (25 mW) 11 dBm (12 mW) 8 dBm (6 mW) 5 dBm (3 mW) 2 dBm (2 mW) -1 dBm (1 mW)	802.11g: OFDM: 17 dBm (50 mW) 14 dBm (25 mW) 11 dBm (12 mW) 8 dBm (6 mW) 5 dBm (3 mW) 2 dBm (2 mW) -1 dBm (1 mW)
Range	Indoor (Distance Across Open Office Environment):	Outdoor:	

	802.11a:	802.11g:	802.11a:	802.11g:
	80 ft (24 m) @ 54 Mbps	100 ft (30 m) @ 54 Mbps	100 ft (30 m) @ 54 Mbps	120 ft (37 m) @ 54 Mbps
	150 ft (45 m) @ 48 Mbps	175 ft (53 m) @ 48 Mbps	300 ft (91 m) @ 48 Mbps	350 ft (107 m) @ 48 Mbps
	200 ft (60 m) @ 36 Mbps	250 ft (76 m) @ 36 Mbps	425 ft (130 m) @ 36 Mbps	550 ft (168 m) @ 36 Mbps
	225 ft (69 m) @ 24 Mbps	275 ft (84 m) @ 24 Mbps	500 ft (152 m) @ 24 Mbps	650 ft (198 m) @ 24 Mbps
	250 ft (76 m) @ 18 Mbps	325 ft (100 m) @ 18 Mbps	550 ft (168 m) @ 18 Mbps	750 ft (229 m) @ 18 Mbps
	275 ft (84 m) @ 12 Mbps	350 ft (107 m) @ 12 Mbps	600 ft (183 m) @ 12 Mbps	800 ft (244 m) @ 12 Mbps
	300 ft (91 m) @ 9 Mbps	360 ft (110 m) @ 11 Mbps	625 ft (190 m) @ 9 Mbps	820 ft (250 m) @ 11 Mbps
	325 ft (100 m) @ 6 Mbps	375 ft (114 m) @ 9 Mbps	650 ft (198 m) @ 6 Mbps	875 ft (267 m) @ 9 Mbps
		400 ft (122 m) @ 6 Mbps		900 ft (274 m) @ 6 Mbps
		420 ft (128 m) @ 5.5 Mbps		910 ft (277 m) @ 5.5 Mbps
		440 ft (134 m) @ 2 Mbps		940 ft (287 m) @ 2 Mbps
		450 ft (137 m) @ 1 Mbps		950 ft (290 m) @ 1 Mbps

Ranges and actual throughput vary based upon numerous environmental factors so individual performance may differ.

Compliance	Standards Safety • UL 60950-1 • CAN/CSA-C22.2 No. 60950-1 • UL 2043 • IEC 60950-1 • EN 60950-1 •NIST FIPS 140-2 level 2 validation Radio Approvals • FCC Part 15.247, 15.407 • RSS-210 (Canada) • EN 300.328, EN 301.893 (Europe) • ARIB-STD 33 (Japan) • ARIB-STD 66 (Japan) • ARIB-STD T71 (Japan) •AS/NZS 4268.2003 (Australia and New Zealand) EMI and Susceptibility (Class B) • FCC Part 15.107 and 15.109 • ICES-003 (Canada) • VCCI (Japan) •EN 301.489-1 and -17 (Europe) Security • 802.11i, WPA2, WPA • 802.1X • AES, TKIP • FIPS 140-2 Pre-Validation List •Common Criteria (when running Cisco IOS software) Other • IEEE 802.11g and IEEE 802.11a • FCC Bulletin OET-65C • RSS-102
Antennas	• 2.4 GHz • Gain 3.0 dBi • Horizontal Beamwidth 360° • 5 GHz • Gain 4.5 dBi • Horizontal Beamwidth 360°
Security	Authentication Security Standards • WPA • WPA2 (802.11i) • Cisco TKIP • Cisco message integrity check (MIC) •IEEE 802.11 WEP keys of 40 bits and 128 bits 802.1X EAP types: • EAP-Flexible Authentication via Secure Tunneling (EAP-FAST) • Protected EAP-Generic Token Card (PEAP-GTC) • PEAP-Microsoft Challenge Authentication Protocol Version 2 (PEAP-MSCHAP) • EAP-Transport Layer Security (EAP-TLS) • EAP-Tunneled TLS (EAP-TTLS) • EAP-Subscriber Identity Module (EAP-SIM) •Cisco LEAP Encryption • AES-CCMP encryption (WPA2) • TKIP (WPA) • Cisco TKIP • WPA TKIP • IEEE 802.11 WEP keys of 40 bits and 128 bits

Status LEDs	External: •Status LED indicates operating state, association status, error/warning condition, boot sequence, and maintenance status Internal: • Ethernet LED indicates activity over the Ethernet, status • Radio LED indicates activity over the radios, status
Dimensions (H x W x D)	7.5 in. x 7.5 in. x 1.3 in. (19.1 x 19.1 x 3.3 cm)
Weight	1.5 lb (0.67 kg)
Environmental	Operating • Altitude: 0 to 2500m • 32 to 104°F (0 to 40°C) •10 to 90% humidity (noncondensing) Non Operating • -40 to 158F (-40 to 70C) • Up to 95% humidity (noncondensing)
System Memory	• 32 MB RAM • 16 MB FLASH
Input Power Requirements	• 100-240 VAC; 50-60Hz (power supply) • 36-57 VDC (device)
Power Draw	12.2W maximum

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