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Overview

The Cisco® Catalyst® 9130AX Series Access Points are the next generation of enterprise access points. They are resilient, secure, and intelligent. C9130AXI-H is the Cisco Catalyst 9130AX Series Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, H Domain.

Quick Specification

Table 1 shows the quick specification of C9130AXI-H.

Product Code	C9130AXI-H
Description	Cisco Catalyst 9130AX Series Access Point, Internal antenna; Wi-Fi 6; 4x4:4 MIMO, H Domain
Software	<ul style="list-style-type: none">• Cisco Unified Wireless Network Software Release 8.10.x or later• Cisco IOS® XE Software Release 16.12.1 with AP Device Pack, or late
Supported wireless LAN controllers	<ul style="list-style-type: none">• Cisco Catalyst 9800 Series Wireless Controllers• Cisco 3500, 5520, and 8540 Series Wireless Controllers and Cisco Virtual Wireless Controller
Dimensions (W x L x H)	8.9 x 8.9 x 1.88 in. (22.6 x 22.6 x 4.8 cm)
System memory	<ul style="list-style-type: none">• 2048 MB DRAM• 1024 MB flash

Figure 1 shows the appearance of C9130AXI-H.



Product Details

Supported Platforms

Table 2 shows the supported platforms and software.

Supported wireless LAN controllers and Software	Recommended Model
Cisco 3500 Series Wireless Controllers	AIR-CT3504-K9
Cisco 5520 Series Wireless Controllers	AIR-CT5520-K9
Cisco 8540 Series Wireless Controllers	AIR-CT8540-K9 AIR-CT8540-1K-K9
Cisco 9800 series Wireless Controllers	C9800-40-K9 C9800-80-K9
Cisco Virtual Wireless Controller	/
Cisco Unified Wireless Network Software Release 8.9 or later	/
Cisco IOS @ XE Software Release 16.11 or later	/

Compare to Similar Items

Table 3 shows the comparison of Cisco AP 9130I series.

SKU	Description
C9130AXI-A	Cisco Catalyst 9130AX Series Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, A Domain
C9130AXI-B	Cisco Catalyst 9130AX Series Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, B Domain
C9130AXI-D	Cisco Catalyst 9130AX Series Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, D Domain
C9130AXI-E	Cisco Catalyst 9130AX Series Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, E Domain
C9130AXI-F	Cisco Catalyst 9130AX Series Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, F Domain
C9130AXI-G	Cisco Catalyst 9130AX Series Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, G Domain
C9130AXI-H	Cisco Catalyst 9130AX Series Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, H Domain
C9130AXI-I	Cisco Catalyst 9130AX Series Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, I Domain
C9130AXI-K	Cisco Catalyst 9130AX Series Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, K Domain
C9130AXI-Q	Cisco Catalyst 9130AX Series Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, Q Domain
C9130AXI-R	Cisco Catalyst 9130AX Series Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, R Domain
C9130AXI-S	Cisco Catalyst 9130AX Series Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, S Domain
C9130AXI-T	Cisco Catalyst 9130AX Series Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, T Domain
C9130AXI-Z	Cisco Catalyst 9130AX Series Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, Z Domain

Get More Information

Do you have any question about the C9130AXI-H?

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Specification

C9130AXI-H Specification	
Description	Cisco Catalyst 9130AX Series Access Point, Internal antenna; Wi-Fi 6; 4x4:4 MIMO, H Domain
Software	<ul style="list-style-type: none"> ● Cisco Unified Wireless Network Software Release 8.10.x or later ● Cisco IOS® XE Software Release 16.12.1 with AP Device Pack, or late
Supported wireless LAN controllers	<ul style="list-style-type: none"> ● Cisco Catalyst 9800 Series Wireless Controllers ● Cisco 3500, 5520, and 8540 Series Wireless Controllers and Cisco Virtual Wireless Controller
802.11n version 2.0 (and related) capabilities	<ul style="list-style-type: none"> ● 4x4 MIMO with four spatial streams ● Maximal Ratio Combining (MRC) ● 802.11n and 802.11a/g beamforming ● 20- and 40-MHz channels ● PHY data rates up to 890 Mbps (40 MHz with 5 GHz and 20 MHz with 2.4 GHz) ● Packet aggregation: Aggregate MAC Protocol Data Unit (A-MPDU) (transmit and receive), Aggregate MAC Service Data Unit (A-MSDU) (transmit and receive) ● 802.11 Dynamic Frequency Selection (DFS) ● Cyclic Shift Diversity (CSD) support
802.11ac	<ul style="list-style-type: none"> ● 8x8 downlink MU-MIMO with eight spatial streams ● MRC ● 802.11ac beamforming ● 20-, 40-, 80-, and 160-MHz channels ● PHY data rates up to 6.9 Gbps (160 MHz with 5 GHz) ● Packet aggregation: A-MPDU (transmit and receive), A-MSDU (transmit and receive) ● 802.11 DFS ● CSD support ● WPA3 support
802.11ax	<ul style="list-style-type: none"> ● 8x8 uplink/downlink MU-MIMO with eight spatial streams ● Uplink/downlink OFDMA ● TWT ● BSS coloring ● MRC ● 802.11ax beamforming ● 20-, 40-, 80-, and 160-MHz channels ● PHY data rates up to 10 Gbps (160 MHz with 5 GHz and 20 MHz with 2.4 GHz) ● Packet aggregation: A-MPDU (transmit and receive), A-MSDU (transmit and receive) ● 802.11 DFS ● CSD support

	<ul style="list-style-type: none"> ● WPA3 support
Integrated antenna	<ul style="list-style-type: none"> ● 2.4 GHz, peak gain 3 dBi, internal antenna, omnidirectional in azimuth ● 5 GHz, peak gain 6 dBi, internal antenna, omnidirectional in azimuth
External antenna with Smart antenna connector	<ul style="list-style-type: none"> ● The Cisco Catalyst 9130AXE Access Point is certified for use with antenna gains up to 13 dBi (2.4 GHz and 5 GHz) ● Cisco offers the industry's broadest selection of antennas, delivering optimal coverage for a variety of deployment scenarios ● Supports Self-Identifiable Antennas (SIA) on the Smart antenna connector ● Smart antenna connector is a compact multi-RF connector with 8-DART interface ● Requires the AIR-CAB002-D8-R= 2-fppt smart antenna connector when used with antennas with a RP-TNC connector ● Requires the AIR-CAB003-D8-N= 3 ft smart antenna connector when used with AIR-ANT2513P4M-N= antenna
Interfaces	<ul style="list-style-type: none"> ● 1x 100, 1000, 2500, 5000 Multigigabit Ethernet (RJ-45) – IEEE 802.3bz ● Management console port (RJ-45) ● USB 2.0 at 4.5W (enabled via future software)
Indicators	<ul style="list-style-type: none"> ● Status LED indicates boot loader status, association status, operating status, boot loader warnings, and boot loader errors
Dimensions (W x L x H)	<ul style="list-style-type: none"> ● Access point (without mounting brackets): C9130AXI: 8.9 x 8.9 x 1.88 in. (22.6 x 22.6 x 4.8 cm)
Input power requirements	<ul style="list-style-type: none"> ● 802.3at Power over Ethernet Plus (PoE+), 802.3bt Cisco Universal PoE (Cisco UPOE) ● Cisco power injector, AIR-PWRINJ6= ● 802.3af PoE ● Cisco power injector, AIR-PWRINJ5= (Note: This injector supports only 802.3af)
Environmental	<p>Cisco Catalyst 9130AXI</p> <ul style="list-style-type: none"> ● Nonoperating (storage) temperature: -22° to 158°F (-30° to 70°C) ● Nonoperating (storage) altitude test: 25°C, 15,000 ft (4600 m) ● Operating temperature: 32° to 122°F (0° to 50°C) ● Operating humidity: 10% to 90% (noncondensing) ● Operating altitude test: 40°C, 9843 ft (3000 m) <p>Note: When the ambient operating temperature exceeds 40°C, the access point will shift from 8x8 to 4x4 on the 5 GHz radio, uplink Ethernet will downgrade to 1 Gigabit Ethernet; however, the USB interface will remain enabled.</p>
System memory	<ul style="list-style-type: none"> ● 2048 MB DRAM ● 1024 MB flash
Available transmit power settings	<p>2.4 GHz</p> <ul style="list-style-type: none"> ● 23 dBm (200 mW) ● 20 dBm (100 mW) ● 17 dBm (50 mW) ● 14 dBm (25 mW) ● 11 dBm (12.5 mW) ● 8 dBm (6.25 mW) ● 5 dBm (3.13 mW) ● 2 dBm (1.56 mW) ● -1 dBm (0.79 mW) ● -4 dBm(0.39 mW) <p>5 GHz</p> <ul style="list-style-type: none"> ● 26 dBm (400 mW) ● 23 dBm (200 mW) ● 20 dBm (100 mW) ● 17 dBm (50 mW)

	<ul style="list-style-type: none"> ● 14 dBm (25 mW) ● 11 dBm (12.5 mW) ● 8 dBm (6.25 mW) ● 5 dBm (3.13 mW) ● 2 dBm (1.56 mW) ● -1 dBm (0.79 mW)
<p>Maximum number of nonoverlapping channels</p>	<p>2.4 GHz</p> <ul style="list-style-type: none"> ● 802.11b/g: <ul style="list-style-type: none"> - 20 MHz: 3 ● 802.11n: <ul style="list-style-type: none"> - 20 MHz: 3 ● 802.11ax: <ul style="list-style-type: none"> - 20 MHz: 3 <p>5 GHz</p> <ul style="list-style-type: none"> ● 802.11a: <ul style="list-style-type: none"> - 20 MHz: 26 FCC, 16 EU ● 802.11n: <ul style="list-style-type: none"> - 20 MHz: 26 FCC, 16 EU - 40 MHz: 12 FCC, 7 EU ● 802.11ac/ax: <ul style="list-style-type: none"> - 20 MHz: 26 FCC, 16 EU - 40 MHz: 12 FCC, 7 EU - 80 MHz: 5 FCC, 3 EU - 160 MHz: 2 FCC, 1 EU <p>Note: This varies by regulatory domain. Refer to the product documentation for specific details for each regulatory domain.</p>
<p>Compliance standards</p>	<ul style="list-style-type: none"> ● Safety: <ul style="list-style-type: none"> - IEC 60950-1 - EN 60950-1 - UL 60950-1 - CAN/CSA-C22.2 No. 60950-1 - AS/NZS60950.1 - UL 2043 - Class III equipment ● Emissions: <ul style="list-style-type: none"> - CISPR 32 (rev. 2015) - EN 55032 (rev. 2012/AC:2013) - EN 55032 (rev. 2015) - EN61000-3-2 (rev. 2014) - EN61000-3-3 (rev. 2013) - KN61000-3-2 - KN61000-3-3 - AS/NZS CISPR 32 Class B (rev. 2015) - 47 CFR FCC Part 15B - ICES-003 (rev. 2016 Issue 6, Class B) - VCCI-CISPR 32 - CNS (rev. 13438) - KN-32



- QCVN 118:2018/BTTTT
- Immunity:
 - CISPR 24 (rev. 2010)
 - EN 55024 + AMD 1(rev. 2010)
 - EN 55035: 2017
 - KN35
- Emissions and immunity:
 - EN 301 489-1 (v2.1.1 2017-02)
 - EN 301 489-17 (v3.1.1 2017-02)
 - QCVN (18:2014)
 - QCVN 112:2017/BTTTT
 - KN 489-1
 - KN 489-17
 - EN 60601-1-2:2015
 - EN 61000-6-1: 2007
- Radio:
 - EN 300 328 (v2.1.1)
 - EN 301 893 (v2.1.1)
 - AS/NZS 4268 (rev. 2017)
 - 47 CFR FCC Part 15C, 15.247, 15.407
 - RSP-100
 - RSS-GEN
 - RSS-247
 - China regulations SRRC
 - LP0002 (rev 2018.1.10)
 - Japan Std. 33a, Std. 66, and Std. 71
- RF safety:
 - EN 50385 (rev. Aug 2002)
 - ARPANSA
 - AS/NZS 2772 (rev. 2016)
 - EN 62209-1 (rev. 2016)
 - EN 62209-2 (rev. 2010)
 - 47 CFR Part 1.1310 and 2.1091
 - RSS-102
- IEEE standards:
 - IEEE 802.3
 - IEEE 802.3ab
 - IEEE 802.3af/at
 - IEEE 802.11a/b/g/n/ac/ax
 - IEEE 802.11h, 802.11d
- Security:
 - 802.11i, Wi-Fi Protected Access 2 (WPA2), WPA3
 - 802.1X
 - Advanced Encryption Standard (AES)
- Extensible Authentication Protocol (EAP) types:
 - EAP-Transport Layer Security (TLS)
 - EAP-Tunneled TLS (TTLS) or Microsoft Challenge Handshake Authentication Protocol (MSCHAP) v2



- Protected EAP (PEAP) v0 or EAP-MSCHAP v2
- EAP-Flexible Authentication via Secure Tunneling (EAP-FAST)
- PEAP v1 or EAP-Generic Token Card (GTC)
- EAP-Subscriber Identity Module (SIM)

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