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Overview

The Cisco Catalyst 9120AX Series Access Points are the next generation of enterprise access points. They are resilient, secure, and intelligent. C9120AXI-H is the Cisco Catalyst 9120AX Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, H Domain.

Quick Specification

Figure 1 shows the appearance of C9120AXI-H.



Table 1 shows the quick specification of C9120AXI-H.

Product Name	Cisco Catalyst 9120AX Series
Manufacturer Part Number	C9120AXI-H
Product Type	Wireless Access Point
Frequency Band	2.40 GHz 5 GHz
Wireless LAN Standard	802.11ax
Bluetooth Standard	Bluetooth 5
Ethernet Technology	Gigabit Ethernet
USB	Yes
Number of Network (RJ-45) Ports	1
Product Family	Catalyst 9120AX
Wireless Transmission Speed	5.38 Gbit/s

Form Factor	Desktop
Encryption Standard	WPA3 WPA2
Management Port	Yes
Data Encryption	Yes
MIMO Technology	Yes
Beamforming Technology	Yes
Height	1.7"
Width	8.5"
Depth	8.5"

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 9120I series.

SKU	Description
C9120AXI-A	Cisco Catalyst 9120AX Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, A Domain
C9120AXI-B	Cisco Catalyst 9120AX Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, B Domain
C9120AXI-B-EDU	Cisco Catalyst 9120AX Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, B Domain

C9120AXI-D	Cisco Catalyst 9120AX Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, D Domain
C9120AXI-E	Cisco Catalyst 9120AX Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, E Domain
C9120AXI-H	Cisco Catalyst 9120AX Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, H Domain
C9120AXI-I	Cisco Catalyst 9120AX Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, I Domain
C9120AXI-K	Cisco Catalyst 9120AX Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, K Domain
C9120AXI-Q	Cisco Catalyst 9120AX Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, Q Domain
C9120AXI-S	Cisco Catalyst 9120AX Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, S Domain
C9120AXI-Z	Cisco Catalyst 9120AX Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, Z Domain

Get More Information

Do you have any question about the C9120AXI-H?

Contact us now via info@hi-network.com.

Specification

C9120AXI-H Specification	
Description	Cisco Catalyst 9120AX Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, H Domain
Software	<ul style="list-style-type: none"> • Cisco Unified Wireless Network Software Release 8.9.x or later • Cisco IOS ® XE Software Release 16.11 with AP Device Pack, or later
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: A-MPDU (transmit and receive), A-MSDU (transmit and receive) • 802.11 Dynamic Frequency Selection (DFS) • Cyclic Shift Diversity (CSD) support
802.11ac	<ul style="list-style-type: none"> • 4x4 downlink MU-MIMO with four spatial streams • MRC • 802.11ac beamforming • 20-, 40-, 80-, and 160-MHz channels • PHY data rates up to 3.47 Gbps (160 MHz with 5 GHz) • Packet aggregation: A-MPDU (transmit and receive), A-MSDU (transmit and receive) • 802.11 DFS • CSD support
802.11ax	<ul style="list-style-type: none"> • 4x4 downlink MU-MIMO with four spatial streams



	<ul style="list-style-type: none"> • Uplink/downlink OFDMA • TWT • BSS coloring • MRC • 802.11ax beamforming • 20-, 40-, 80-, and 160-MHz channels • PHY data rates up to 5.38 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
Integrated antenna	<p>Flexible radio (either on 2.4GHz or on 5GHz)</p> <ul style="list-style-type: none"> • 2.4 GHz, peak gain 4 dBi, internal antenna, omnidirectional in azimuth • 5 GHz, peak gain 5 dBi, internal antenna, omnidirectional in azimuth <p>Dedicated 5GHz radio</p> <ul style="list-style-type: none"> • 5 GHz, peak gain 4 dBi, internal antenna, omnidirectional in azimuth
External antenna (sold separately)	<ul style="list-style-type: none"> • Cisco Catalyst 9120E Access Points are certified for use with antenna gains up to 6 dBi (2.4 GHz and 5 GHz) • Cisco Catalyst 9120P Access Points are certified for use with antenna gains up to 13 dBi (2.4 GHz and 5 GHz) with the AIR-ANT2513-P4M-N= antenna • Cisco offers the industry's broadest selection of antennas, delivering optimal coverage for a variety of deployment scenarios • Supports Self-Identifiable Antennas (SIA) on one RP-TNC port
Smart Antenna Connector	<ul style="list-style-type: none"> • Available on the 9120E and on the 9120P only • Compact multi RF connector with DART interface • Requires the AIR-CAB002-DART-R= 2 ft smart antenna connector when used with antennas with RP-TNC connector • Required when running the flexible radio as either a second 5-GHz serving radio or a Wireless Security Monitoring radio
Interfaces	<ul style="list-style-type: none"> • 1x 100, 1000, 2500 Multigigabit Ethernet (RJ-45) – IEEE 802.3bz • Management console port (RJ-45) • USB 2.0 @ 3.75W (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): C9120I: 8.5 x 8.5 x 1.7" (21.6 x 21.6 x 4.3 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 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 9120AXI</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. • Operating temperature: 32° to 122°F (0° to 50°C) • Operating humidity: 10% to 90% (noncondensing) • Operating altitude test: 40°C, 9843 ft.
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)



	<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) ● -1dBm (0.79mW) ● -4dBm(0.39mW) <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) ● 14 dBm (25 mW) ● 11 dBm (12.5 mW) ● 8 dBm (6.25 mW) ● 5 dBm (3.13 mW) ● 2 dBm (1.56 mW) ● -1dBm (0.79mW)
<p>Frequency band and 20-MHz operating channels</p>	<p>H (H regulatory domain):</p> <ul style="list-style-type: none"> ● 2.412 to 2.472 GHz; 13 channels ● 5.180 to 5.320 GHz; 8 channels ● 5.745 to 5.825 GHz; 5 channels

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