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Overview

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

Quick Specification

Product Code	C9120AXE-H
Description	Cisco Catalyst 9120AXE Series, H Domain
Software	• 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	• 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)	8.5 x 8.05x 2.0" (21.6 x 21.6 x 5.1 cm)
System memory	• 2048 MB DRAM • 1024 MB flash
Frequency band and 20-MHz operating channels	H (H regulatory domain): • 2.412 to 2.472 GHz; 13 channels • 5.180 to 5.320 GHz; 8 channels • 5.745 to 5.825 GHz; 5 channels

Product Details:

The Front Panel:

Accessories For C9120AXE-H:

Supported Platforms:

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:

Product Code	Description
C9120AXE-A	Cisco Catalyst 9120AXE Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, A Domain
C9120AXE-B	Cisco Catalyst 9120AXE Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, B Domain
C9120AXE-D	Cisco Catalyst 9120AXE Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, D Domain
C9120AXE-E	Cisco Catalyst 9120AXE Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, E Domain
C9120AXE-F	Cisco Catalyst 9120AXE Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, F Domain
C9120AXE-G	Cisco Catalyst 9120AXE Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, G Domain
C9120AXE-H	Cisco Catalyst 9120AXE Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, H Domain
C9120AXE-I	Cisco Catalyst 9120AXE Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, I Domain
C9120AXE-K	Cisco Catalyst 9120AXE Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, K Domain
C9120AXE-N	Cisco Catalyst 9120AXE Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, N Domain
C9120AXE-Q	Cisco Catalyst 9120AXE Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, Q Domain
C9120AXE-R	Cisco Catalyst 9120AXE Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, R Domain
C9120AXE-S	Cisco Catalyst 9120AXE Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, S Domain
C9120AXE-T	Cisco Catalyst 9120AXE Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, T Domain
C9120AXE-Z	Cisco Catalyst 9120AXE Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, Z Domain

Get more information:

Do you have any question about the C9120AXE-H?

Contact us now via e-mail: info@hi-network.com

Specific Data Sheet:

Manufacturer:	Cisco
Product Name	C9120AXE-H
Description	Cisco Catalyst 9120AXE Series, H Domain
Software	• 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	• 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	• 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	• 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	• 4x4 downlink MU-MIMO with four spatial streams • 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	Flexible radio (either on 2.4GHz or on 5GHz) • 2.4 GHz, peak gain 4 dBi, internal antenna, omnidirectional in azimuth • 5 GHz, peak gain 5 dBi, internal antenna, omnidirectional in azimuth

	Dedicated 5GHz radio • 5 GHz, peak gain 4 dBi, internal antenna, omnidirectional in azimuth
External antenna (sold separately)	• 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	• 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	• 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	• Status LED indicates boot loader status, association status, operating status, boot loader warnings, and boot loader errors
Dimensions (W x L x H)	• Access point (without mounting brackets): C9120I: 8.5 x 8.5 x 1.7" (21.6 x 21.6 x 4.3 cm), C9120E and C9120P: 8.5 x 8.05x 2.0" (21.6 x 21.6 x 5.1 cm)
Input power requirements	• 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	Cisco Catalyst 9120AXI • Nonoperating (storage) temperature: -22° to 158°F (-30° to 70℃) • Nonoperating (storage) altitude test: 25˚C, 15,000 ft. • Operating temperature: 32° to 122°F (0° to 50℃) • Operating humidity: 10% to 90% (noncondensing) • Operating altitude test: 40˚C, 9843 ft. Note: When the ambient operating temperature exceeds 40℃, the access point will shift from 4x4 to 2x2 on both the 2.4-GHz and 5-GHz radios, uplink Ethernet will downgrade to 1 Gigabit Ethernet; however, the USB interface will remain enabled Cisco Catalyst 9120AXE and 9120AXP • Nonoperating (storage) temperature: -22° to 158°F (-30° to 70℃) • Nonoperating (storage) altitude test: 25˚C, 15,000 ft. • Operating temperature: -4° to 122°F (-20° to 50℃) • Operating humidity: 10% to 90% (noncondensing) • Operating altitude test: 40˚C, 9843 ft.
System memory	• 2048 MB DRAM • 1024 MB flash
Warranty	Limited lifetime hardware warranty
Available transmit power settings	**2.4 GHz** • 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)
	• -4dBm(0.39mW)
	5 GHz
	• 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)
Frequency band and 20-MHz operating channels	**H (H regulatory domain):** • 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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