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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-B is the Cisco Catalyst 9130AX Series Access Point, internal antennas; Wi-Fi 6; 4x4:4 MIMO, B Domain.

Quick Specification

Figure 1 shows the appearance of C9130AXI-B.



Table 1 shows the quick specification of C9130AXI-B.

Product Code	C9130AXI-B
Description	Cisco Catalyst 9130AX Series Access Point, Internal antenna; Wi-Fi 6; 4x4:4 MIMO, B Domain
Software	• 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	• 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	• 2048 MB DRAM • 1024 MB flash

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-B?

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

Specification

C9130AXI-B Specification	
Description	Cisco Catalyst 9130AX Series Access Point, Internal antenna; Wi-Fi 6; 4x4:4 MIMO, B Domain
Software	• 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	• 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: 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	• 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	• 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

C9130AXI-B Datasheet



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	WPA3 support
Integrated antenna	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	- 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-fpft 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	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	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): C9130AXI: 8.9 x 8.9 x 1.88 in. (22.6 x 22.6 x 4.8 cm)
Input power requirements	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	Cisco Catalyst 9130AXI - 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) 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.
System memory	2048 MB DRAM 1024 MB flash
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) -1 dBm (0.79 mW) -4 dBm(0.39 mW) 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) • -1 dBm (0.79 mW)
Maximum number of nonoverlapping channels	2.4 GHz • 802.11b/g: - 20 MHz: 3 • 802.11n: - 20 MHz: 3 • 802.11ax: - 20 MHz: 3 5 GHz • 802.11a: - 20 MHz: 26 FCC, 16 EU • 802.11n: - 20 MHz: 26 FCC, 16 EU - 40 MHz: 12 FCC, 7 EU • 802.11ac/ax: - 20 MHz: 26 FCC, 16 EU - 40 MHz: 12 FCC, 7 EU - 80 MHz: 5 FCC, 3 EU - 160 MHz: 2 FCC, 1 EU Note: This varies by regulatory domain. Refer to the product documentation for specific details for each regulatory domain.
Compliance standards	• Safety: - 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: - 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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