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Overview

Cisco® Catalyst® 9115 Series Wi-Fi 6 Access Points are the next generation of enterprise access points. They are resilient, secure, and intelligent. C9115AXI-H is the Cisco Catalyst 9115AX Series Access Point, Internal antenna; Wi-Fi 6; 4x4:4 MIMO, H Domain.

Quick Specification

Table 1 shows the quick specification of C9115AXI-H.

Product Code	C9115AXI-H
Description	Cisco Catalyst 9115AX Series Access Point, Internal antenna; Wi-Fi 6; 4x4:4 MIMO, H Domain
Software	● Cisco Unified Wireless Network Software Release 8.9 or later ● Cisco IOS ® XE Software Release 16.11 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)	8.0 x 8.0 x 1.5 in. (20.3 x 20.3 x 3.8 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

Figure 1 shows the appearance of C9115AXI-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 9115I series.

SKU	Description
C9115AXI-A	Cisco Catalyst 9115AX Series Access Point, Internal antenna; Wi-Fi 6; 4x4:4 MIMO, A Domain
C9115AXI-B	Cisco Catalyst 9115AX Series Access Point, Internal antenna; Wi-Fi 6; 4x4:4 MIMO, B Domain
C9115AXI-D	Cisco Catalyst 9115AX Series Access Point, Internal antenna; Wi-Fi 6; 4x4:4 MIMO, D Domain
C9115AXI-E	Cisco Catalyst 9115AX Series Access Point, Internal antenna; Wi-Fi 6; 4x4:4 MIMO, E Domain
C9115AXI-G	Cisco Catalyst 9115AX Series Access Point, Internal antenna; Wi-Fi 6; 4x4:4 MIMO, G Domain
C9115AXI-H	Cisco Catalyst 9115AX Series Access Point, Internal antenna; Wi-Fi 6; 4x4:4 MIMO, H Domain

Get More Information

Do you have any question about the C9115AXI-H?

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

Specification

<table>
<tr><th colspan="2">C9115AXI-H Specification</th></tr>
<tr>
<td>Description</td>
<td>Cisco Catalyst 9115AX Series Access Point, Internal antenna; Wi-Fi 6; 4x4:4 MIMO, H Domain</td>
</tr>
<tr>
<td>Software</td>
<td>

● Cisco Unified Wireless Network Software Release 8.9 or later

● Cisco IOS ® XE Software Release 16.11 or later
</td>
</tr>
<tr>
<td>Supported wireless LAN controllers</td>
<td>

● Cisco Catalyst 9800 Series Wireless Controllers

● Cisco 3500, 5520, and 8540 Series Wireless Controllers and Cisco Virtual Wireless Controller
</td>
</tr>
<tr>
<td>802.11n version 2.0 (and related) capabilities</td>
<td>

● 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
</td>
</tr>
<tr>
<td>802.11ac</td>
<td>

● 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
</td>
</tr>
<tr>
<td>802.11ax</td>
<td>

● 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
</td>
</tr>
<tr>
<td>Integrated antenna</td>
<td>

● 2.4 GHz, peak gain 3 dBi, internal antenna, omnidirectional in azimuth

● 5 GHz, peak gain 6 dBi, internal antenna, omnidirectional in azimuth
</td>
</tr>
<tr>
<td>External antenna (sold separately)</td>
<td>

● Cisco Catalyst 9115AXE Access Points are certified for use with antenna gains up to 6 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
</td>
</tr>
<tr>
<td>Interfaces</td>
<td>

● 1x 100, 1000, 2500 Multigigabit Ethernet (RJ-45) – IEEE 802.3bz

● Management console port (RJ-45)

● USB 2.0 (enabled via future software)
</td>
</tr>
</table>

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): C9115I: 8.0 x 8.0 x 1.5 in. (20.3 x 20.3 x 3.8 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) Note: When 802.3af PoE is the source of power, both 2.4-GHz and 5-GHz radios will be reduced to 2x2 and Ethernet downgraded to 1 Gigabit Ethernet. In addition, the USB port will be off.
Environmental	Cisco Catalyst 9115AXI ● 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. Note: When the ambient operating temperature exceeds 40°C, 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, and the USB interface will be disabled.
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) ● -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) ● -4 dBm (0.39 mW)
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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