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VERIFIED PRODUCT DATASHEET

C9105AXI-A

Cisco Network Hardware Specification, Availability and Quote Reference

Product Model	C9105AXI-A
Document Type	Product Datasheet
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C9105AXI-A Datasheet

The Cisco C9105AXI-A datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the C9105AXI-A and integrate it into enterprise or service provider networks with confidence.

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Specification

Category	Parameter	Specification	Notes
Product	Model	C9105AXI-A (Catalyst 9105AXI-A)	Indoor, controller-based Wi-Fi 6 access point with internal antennas
Product	Variants	C9105AXI-A; C9105AXI-EWC-A	A denotes regulatory domain; EWC image includes embedded wireless controller
Radios	Spatial streams	2×2:2 on 2.4GHz; 2×2:2 on 5GHz	Simultaneous dual-band
Radios	Max PHY rate (series)	Up to 1.488Gbps	80MHz @ 5GHz + 20MHz @ 2.4GHz
Antennas	Integrated antennas	2.4GHz peak gain 4dBi; 5GHz peak gain 5dBi	Omnidirectional in azimuth
Antennas	IoT/BLE	Single internal 2.4GHz IoT-BLE antenna	Dedicated BLE/IOT radio present
Wi-Fi standards	802.11a/b/g/n/ac/ax	Wi-Fi 6 (802.11ax) with backward compatibility	

Category	Parameter	Specification	Notes
802.11n (v2.0)	Features	2x2 MIMO; MRC; 20/40MHz; DFS; CSD; A-MPDU/A-MSDU	Up to 444.4Mbps (40MHz@5GHz + 20MHz@2.4GHz)
802.11ac	Features	2x2 downlink MU-MIMO; beamforming; 20/40/80MHz; DFS; CSD; A-MPDU/A-MSDU	Up to 866.7Mbps (80MHz@5GHz); WPA3 supported
802.11ax	Features	2x2 uplink/downlink MU-MIMO; OFDMA (UL/DL); TWT; BSS Coloring; beamforming; MRC	Wi-Fi 6 efficiency and latency reduction
Interfaces	Ethernet uplink	1x 10/100/1000 Base-T (RJ-45)	PoE-In
Interfaces	Console	RJ-45 (RS-232)	
Indicators & controls	LED	Single multi-color status LED	Green = normal; Blue = clients associated; Red/Green alternating during join; Blue blinking during image download
Indicators & controls	Mode button	Yes	Supports factory reset and storage clear (hold-time options)
Power	Input options	802.3af PoE; 802.3at PoE+; Cisco UPOE	Supported injectors: AIR-PWRINJ5= (af), AIR-PWRINJ6= (at)
Power	PoE behavior (AXI)	On 802.3af: 2x2 on 2.4GHz and 5GHz; link 1G	
Environmental	Operating temperature	0-50°C (32-122°F)	Above 40°C, 2.4GHz radio shifts 2x2→1x1
Environmental	Operating humidity	10%-90% non-condensing	
Environmental	Operating altitude (test)	3000m @ 40°C (9843ft)	
Physical	Dimensions (WxLxH)	150x150x30mm (5.9x5.9x1.18in)	Without bracket
Physical	Weight	0.7lb (329.5g)	Device only
Physical	Security	Torx security screw; Kensington lock slot	
Mounting	Options	Wall, junction box; below suspended ceiling; above ceiling with additional hardware	Vertical wall mounting supported
Mounting	Brackets (per docs)	AIR-AP-BRACKET-8=; AIR-AP-BRACKET-W4=	BRACKET-8 referenced in Getting Started; BRACKET-W4 listed in datasheet accessories

Category	Parameter	Specification	Notes
Software	Controller versions	CUWN 8.10 MR3+; IOS-XE 17.3.1+	
Software	Supported controllers	Catalyst 9800 Series; 3504; 5520; 8540; vWLC	
Transmit power	2.4GHz	Max 20dBm (100mW); Min -7dBm (0.2mW)	
Transmit power	5GHz	Max 20dBm (100mW); Min -7dBm (0.2mW)	
Compliance	Safety	IEC 60950-1; EN 60950-1; UL 60950-1; IEC 62368-1; EN 62368-1; UL/CUL 62368-1; CAN/CSA-C22.2 No.60950-1; AS/NZS60950.1; UL 2043 (C9105AXI only); Class III equipment	
Compliance	Radio	EN 300 328 (v2.1.1); EN 301 893 (v2.1.1); AS/NZS 4268 (2017); FCC Part 15C/15.247/15.407	

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