C9117AXI-EWC-Q Datasheet

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Overview

The Cisco Embedded Wireless Controller on Catalyst Access Points (EWC-AP) is the next-generation Wi-Fi solution. Built for intent-based networking and Cisco DNA, the EWC-AP helps you simplify complexity, optimize IT, and reduce operational costs by leveraging intelligence, automation, and human expertise that no other vendor can deliver, regardless of where you are in the intent-based networking journey.

Quick Specs

Table 1 shows the Quick Specs.

Product Code	**C9117AXI-EWC-Q**
Description	Cisco Embedded Wireless Controller on Catalyst Access Points: Indoor environments, with internal antennas, Q regulatory domain.
Minimum software requirement	Cisco IOS XE Software Release 16.12.2 or later
Maximum number of access points	Up to 100
Maximum number of clients	Up to 2000
Maximum number of WLANs	16
Deployment modes	Cisco FlexConnect®
Maximum FlexConnect APs per site	100
Regulatory Domain	**Q regulatory domain:** • 2.412 to 2.472 GHz; 13 channels • 5.180 to 5.320 GHz; 8 channels • 5.500 to 5.700 GHz; 11 channels

Product Details

Cisco Catalyst 9117 EWC-AP Series provides these features and benefits:

Resiliency

•With active and standby controllers running simultaneously on two 9100 access points, redundancy keeps your network, services, and clients always on, even in unplanned events

• Seamless software updates enable faster resolution of critical issues and introduction of new access points with minimal downtime

Security

• Rogue detection, classification, and containment

• 802.1X supplicant support on EWC-AP

• Walled garden and DNS ACLs

Management

• Cisco DNA Center for Automation and Assurance

• Dashboard (web browser) and easy-to-use mobile app for deploying, provisioning, and monitoring

• Standards-based interoperability tools using programmable interfaces

• Open standards-based programmability with NETCONF and YANG

Guest

• Central web authentication, local web authentication, and BYOD

• Cisco DNA Spaces integration for personalized and relevant guest experience

Intelligent Capture

•Intelligent Capture probes the network and provides Cisco DNA Center with deep analysis. The software can track over 240 anomalies and instantaneously review all packets on demand, emulating the onsite network administrator. This feature allows for more informed decisions on

your wireless networks

Apple features

•Apple and Cisco have partnered to create an optimal mobile experience for iOS devices on corporate networks based on Cisco technologies. Using new features in iOS 10, in combination with the latest software and hardware from Cisco, businesses can now more effectively use their network infrastructure to deliver an enhanced user experience across all business applications

•At the center of the collaboration is a unique handshake between the Cisco WLAN and Apple devices. This handshake enables the Cisco WLAN to provide an optimal Wi-Fi roaming experience to Apple devices. Additionally, the Cisco WLAN trusts Apple devices and gives priority treatment for business-critical applications specified by the Apple device. This feature is also known as Fast Lane

Wi-Fi 6 (802.11ax) and RF features

•Cisco RF Application-Specific Integrated Circuit (ASIC): On 9100 access points with the RF ASIC, the access point can perform advanced RF spectrum analysis and delivers features such as Cisco CleanAir®, Wireless Intrusion Prevention System (WIPS), Fast Locate, * and Dynamic Frequency Selection (DFS) detection(* Future)

•Uplink/downlink OFDMA: Orthogonal Frequency-Division Multiple Access (OFDMA)-based scheduling splits the bandwidth into smaller chunks called Resource Units (RUs), which can be allocated to individual clients in both the downlink and uplink directions to reduce overhead and latency

•MU-MIMO: Multiuser Multiple-Input Multiple-Output (MU-MIMO) enables access points to split spatial streams between client devices to maximize throughput

•BSS coloring: Spatial reuse (also known as Basic Service Set [BSS] coloring) allows the access points and their clients to differentiate between BSSs, thus permitting more simultaneous transmissions

•Target Wake Time (TWT): TWT is a new power-saving mode that allows the client to stay asleep and to wake up only at prescheduled (target) times to exchange data with the access point. This offers significant energy savings for battery-operated devices, up to 3x to 4x compared to 802.11n and 802.11ac

•Flexible Radio Assignment: Allows the access points to intelligently determine the operating mode of serving radios based on the RF environment

Compare to Similar Items

Table 2 shows the comparison of Cisco AP 9117AXI-EWC Series.

Product Code	Description
C9117AXI-EWC-A	Cisco Embedded Wireless Controller on Catalyst Access Points: Indoor environments, with internal antennas, A regulatory domain.
C9117AXI-EWC-B	Cisco Embedded Wireless Controller on Catalyst Access Points: Indoor environments, with internal antennas, B regulatory domain.
C9117AXI-EWC-D	Cisco Embedded Wireless Controller on Catalyst Access Points: Indoor environments, with internal antennas, D regulatory domain.
C9117AXI-EWC-E	Cisco Embedded Wireless Controller on Catalyst Access Points: Indoor environments, with internal antennas, E regulatory domain.
C9117AXI-EWC-F	Cisco Embedded Wireless Controller on Catalyst Access Points: Indoor environments, with internal antennas, F regulatory domain.
C9117AXI-EWC-G	Cisco Embedded Wireless Controller on Catalyst Access Points: Indoor environments, with internal antennas, G regulatory domain.
C9117AXI-EWC-H	Cisco Embedded Wireless Controller on Catalyst Access Points: Indoor environments, with internal antennas, H regulatory domain.
C9117AXI-EWC-I	Cisco Embedded Wireless Controller on Catalyst Access Points: Indoor environments, with internal antennas, I regulatory domain.
C9117AXI-EWC-K	Cisco Embedded Wireless Controller on Catalyst Access Points: Indoor environments, with internal antennas, K regulatory domain.
C9117AXI-EWC-N	Cisco Embedded Wireless Controller on Catalyst Access Points: Indoor environments, with internal antennas, N regulatory domain.
C9117AXI-EWC-Q	Cisco Embedded Wireless Controller on Catalyst Access Points: Indoor environments, with internal antennas, Q regulatory domain.
C9117AXI-EWC-S	Cisco Embedded Wireless Controller on Catalyst Access Points: Indoor environments, with internal antennas, S regulatory domain.

C9117AXI-EWC-T	Cisco Embedded Wireless Controller on Catalyst Access Points: Indoor environments, with internal antennas, T regulatory domain.
C9117AXI-EWC-Z	Cisco Embedded Wireless Controller on Catalyst Access Points: Indoor environments, with internal antennas, Z regulatory domain.

Get More Information

Do you have any question about the C9117AXI-EWC-Q? Contact us

now at **sales@gntme.com**.

Specification

C9117AXI-EWC-Q Specification	
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Maximum number of clients	Up to 2000
Maximum number of WLANs	16
Deployment modes	Cisco FlexConnect®
Maximum FlexConnect APs per site	100
License	Smart License enabled
Operating system	Cisco IOS® XE Software
Management	Cisco DNA Center 1.3.2, integrated WebUI, mobile app, and third party (open standards APIs)
Policy engine	Cisco Identity Services Engine (ISE) 2.2, 2.3, and 2.4
Access points	Cisco Catalyst 9100 Access Points and Aironet® 802.11ac Wave 2 access points (operating in client serving mode only)
Regulatory Domain	**Q regulatory domain:** • 2.412 to 2.472 GHz; 13 channels • 5.180 to 5.320 GHz; 8 channels • 5.500 to 5.700 GHz; 11 channels

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As a leading network hardware supplier, Router-switch.com focuses on original new ICT equipment of Cisco, Huawei, HPE, Dell, Hikvision, Juniper, Fortinet, etc.

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- Mobile: +971 4 2409 998
- Whatsapp: +971503841786
- Email: sales@gntme.com