

Cisco Catalyst 9800 Series Wireless Controllers



The Cisco Catalyst 9800 Series Wireless Controllers are based on an open, programmable architecture with built-in security, streaming telemetry, and rich analytics.

The controllers are always on, are secure, and can be deployed anywhere—three pillars of network excellence that strengthen the network by providing the best wireless experience without compromise, while saving time and money.

- **Always on:** High availability and seamless software updates, enabled by hot patching, keep your clients and services always on in planned and unplanned events. Bug fixes, access point deployment at multiple sites, network updates, and more can be handled without rebooting the controller or impacting the operation of the networks
- **Secure:** Wireless infrastructure becomes the strongest first line of defense with Encrypted Traffic Analytics and Cisco Software-Defined Access. The controllers come with built-in security to secure the controller and the network: Secure Boot, runtime defenses, image signing, integrity verification, and hardware authenticity




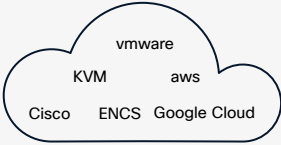

- **Deploy anywhere:** Whether your deployment choice is an on-premises solution or a cloud deployment solution, the Cisco Catalyst 9800 Series Wireless Controllers allow for management and deployment of the controller anywhere

The Cisco Catalyst 9800 Series Wireless Controllers support open and programmable APIs that enable flexible management and automation of your day-0 to day-N network operations. Model-driven streaming telemetry provides deep insights into your network and client health.

And when you manage your network with Cisco Catalyst Center, you can begin to take advantage of some truly cutting-edge Artificial Intelligence/Machine Learning features. Unfolding AI/ML over your wireless deployment, Cisco Catalyst Center provides your next step in terms of increased performance, better efficiency and greater cost savings. This allows for considerable network improvements in visibility, including troubleshooting and security. AI/ML turns data into intuition, resulting in time savings and greater efficiency.



Table 1. Wireless controller comparison

Cisco Catalyst CW9800H1 and CW9800H2	Cisco Catalyst CW9800M	Cisco CW9800L	Cisco Catalyst 9800-CL for Cloud	Cisco Catalyst 9800-L
 <p>CW9800H1</p> <p>CW9800H2</p>				
<p>The Cisco Catalyst CW9800H1 and CW9800H2 are designed for large-scale deployments supporting up to 6,000 access points and 64,000 clients</p>	<p>The Cisco Catalyst CW9800M is designed for mid-sized deployments supporting up to 3,000 APs and 32,000 clients</p>	<p>The Cisco CW9800L is designed for small to mid-sized deployments supporting up to 500 access points and 10,000 clients</p>	<p>The Cisco Catalyst 9800-CL is the next generation of enterprise-class virtual wireless controllers, built for high availability and security.</p>	<p>The Cisco Catalyst 9800-L is created for small to medium-sized campus deployments and distributed branches. It supports up to 250 access points and 5000 clients.</p>
<p>Supports up to 100 Gbps throughput in a 1RU design</p>	<p>Supports up to 50 Gbps throughput in a 1RU design</p>	<p>Supports up to 10 Gbps throughput and up to two CW9800L can be placed on the optional 1RU rack mount tray</p>	<p>Multiple scale options to meet the needs of your branch and campus network deployments.</p>	<p>Supports 5 Gbps throughput and occupies only 1RU.</p>



Cisco Catalyst CW9800H1 and CW9800H2	Cisco Catalyst CW9800M	Cisco CW9800L	Cisco Catalyst 9800-CL for Cloud	Cisco Catalyst 9800-L
<p>Powerful and efficient. The CW9800H1 and CW9800H2 boast up to a 36% increase in performance and consume up to 40% less power compared to the Catalyst 9800-80.</p>	<p>Powerful and efficient. The CW9800M supports 1000 more access points and delivers up to a 53% increase in performance while consuming up to 18% less power than the Catalyst 9800-40</p>	<p>Compact and powerful. The Cisco CW9800L delivers twice the capacity compared to the base C9800-L. It also offers the same resilience, security, and intelligence seen across Cisco Catalyst 9800 Series controllers, but in a smaller package.</p>	<p>The Cisco Catalyst 9800-CL for Private Cloud is available in VMware ESXi, KVM, and Cisco Enterprise Network Compute System (ENCS) and supports up to 6000 access points and 64,000 clients.</p>	<p>Employing many of the same features that the other Cisco Catalyst 9800 Series controllers provide, but in a smaller footprint, the 9800-L offers the same resilience, security, and intelligence. It runs the Cisco IOS XE operating system and supports a rich set of open, programmable interfaces.</p>
<p>Built on the Cisco IOS XE operating system, which offers a rich set of open standards-based programmable APIs and model-driven telemetry.</p>	<p>Built on the Cisco IOS XE operating system, which offers a rich set of open standards-based programmable APIs and model-driven telemetry.</p>	<p>The Cisco CW9800L runs the Cisco IOS XE operating system and supports a rich set of open, programmable interfaces.</p> <p>The controller is built with simplicity in mind offering a familiar web interface and configuration structure reducing upgrade friction. Plus, it features a new redundant power supply option.</p>	<p>The Cisco Catalyst 9800-CL for Public Cloud is available on Amazon Web Services (AWS) and supports Cisco FlexConnect® with up to 6000 access points and 64,000 clients.</p> <p>Built on the Cisco IOS XE operating system, which offers a rich set of open standards-based programmable APIs and model-driven telemetry.</p>	<p>Built on the Cisco IOS XE operating system, which offers a rich set of open standards-based programmable APIs and model-driven telemetry. Fully interoperable with AireOS controllers and 802.11ac Wave 1 and Wave 2 access points.</p>
<p>Link to Data Sheet</p>	<p>Link to Data Sheet</p>	<p>Link to Data Sheet</p>	<p>Link to Data Sheet</p>	<p>Link to Data Sheet</p>

Next generation of infrastructure products

The Cisco Catalyst 9800 Series wireless controllers are built from the ground up to support today's most demanding wireless networking requirements. They are designed with an open and programmable operating system to provide flexibility of management and automation. The Cisco Catalyst 9800 Series also offers flexible deployment and unprecedented scale options to meet the needs of your growing organization.

Cisco Services

Effectively migrate, adopt, securely manage, and accelerate deployment of Cisco Catalyst 9800 Series Wireless Controllers with Cisco Services. Our experts and full lifecycle of advisory, implementation, optimization, technical, managed, and training services help you transition to advanced mobility solutions while helping ensure the reliability and security of your wireless network for desired business outcomes.

Learn more about Cisco Services at <https://www.cisco.com/c/en/us/products/wireless/service-listing.html>.

To learn more about the Cisco Catalyst 9800 Series Wireless Controllers, <https://www.cisco.com/c/en/us/products/wireless/catalyst-9800-series-wireless-controllers/index.html>.