

Cisco CW9800L Wireless Controller platform



Intelligent and secure management for small campus and branch wireless networks

The Cisco CW9800L Wireless Controller platform delivers wireless performance and scale for a diverse range of customers looking to modernize their wireless infrastructure and embrace digital transformation. This includes enterprises and small businesses seeking to reinforce their network capabilities, run critical business functions, and leverage Cisco services for deeper insights and faster innovation.

Organizations interested in hybrid cloud deployments often need to maintain their on-premises management infrastructure, while also seeking to integrate with cloud-driven services or host edge functions. The Cisco CW9800L Wireless Controller platform enables customers to build their network without sacrificing scale, performance, or reliability.

Robust security features and certifications are core to the CW9800L controller platform. It is purpose-built for regulated industries and networks that require secure connectivity. Any customer aiming for a highly scalable, secure, and flexible wireless controller solution that supports modern application hosting and automation is sure to benefit from deploying the Cisco CW9800L Wireless Controller platform.

Benefits

- **Superior Performance and Scalability:** The Cisco® CW9800L is designed for Wi-Fi 6E and 7, supporting up to 500 APs and 10,000 clients, and up to 10Gbps throughput.
- **Enhanced Deployment Flexibility:** It supports a wider range of management and monitoring scenarios: On-Premises, Hybrid, and Wireless Services Edge, which allows customers to adapt to evolving network architectures and host edge functions directly on the controller.
- **Integrated Application Hosting:** When combined with an optional eUSB storage module the Cisco® CW9800L can run containerized applications providing new edge computing capabilities.
- **Advanced Automation and Programmability:** Extensive support for programmable interfaces, YANG data models, on-box Python scripting, and DevOps tools enables greater automation, easier integration with third-party systems, and more agile network management.
- **Seamless Migration and Coexistence:** Tools for converting AireOS configurations and full compatibility with existing previous generation C9800-L configurations ensure a smooth transition and protect investment.
- **Robust Security and Compliance:** Federal certifications, Trustworthy Systems initiatives, enhanced encryption, and improved integration with Cisco Identity Services Engine (ISE) provide a highly secure platform, addressing stringent compliance requirements.
- **High Availability and Resiliency:** Features like zero-downtime upgrades, modular process-level updates, and stateful process restarts ensure continuous operation and minimal disruption.
- **Simplified Management and Troubleshooting:** Integration with Catalyst® Center and Meraki® Dashboard, along with comprehensive monitoring and diagnostic tools, streamlines network operations and reduces troubleshooting time.

What it does

Intelligent, secure performance, and scale for your Wi-Fi 7 network

The Cisco CW9800L controller brings purposeful design and innovation to the core of wireless network architecture. Deeply integrated with Cisco networking, ecosystem, and services, the CW9800L is the next-generation platform from Cisco Wireless aiming to deliver enhanced user experience, superior scalability, and improved performance.

The CW9800L is engineered to support flexible deployment models, acting as a mobility access platform capable of hosting edge services and handling high-density Wi-Fi mobility functions, including real-time control and data plane operations. The hardware architecture is designed to accommodate a scalable containerized environment, allowing for the execution of contained applications such as Cisco Spaces: Connector, Python console, and Cisco ThousandEyes.

Some of the key functional capabilities include support for Wi-Fi 6E/Wi-Fi 7, and comprehensive support for various wireless modes and Small Form-Factor Pluggable/Enhanced Small Form-Factor Pluggable (SFP/SFP+) optics. The controller also features extensive programmability through interfaces like NETCONF, RESTCONF, gRPC Remote Procedure Calls (gRPC), and YANG data models, facilitating automation and integration.



Learn more

Give your network the best in performance with the Cisco Catalyst 9800 Series Wireless Controllers. Learn more [here](#).