Centralized Cloud Campus Wireless Networks with Cisco Campus Gateway



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Benefits

- **Enterprise-class cloud functionality enables** transition from on-premises management while maintaining services and performance.
- **Seamless campus roaming at scale** for large campus-ready cloud-managed wireless, for easier and more predictable connectivity for users, devices, and systems across multibuilding campuses.
- **Deployment without redesign** of existing infrastructure design and cabling, for less upheaval and disruption to the LAN network.

Campus scale and performance for moving to a modern, cloud-managed wireless network

More and more organizations are moving to cloud-managed and cloud-enabled networking, for the ease of use, remote monitoring, and increased agility cloud systems offer IT teams. Wireless technology, as the access layer for most users and devices on a network, is usually the initial system organizations target for their transition from on-premises to cloud.

This transition can be difficult for large campus environments with separate teams controlling different layers of the access network. While wireless engineers may be ready for cloud-managed wireless, working across the different teams within the IT department (like the campus LAN team) to make a large architectural change can be daunting.

Modernizing the campus wireless network no longer means rip and replace. For IT teams who need a campus cloud wireless solution, the Cisco® Campus Gateway solution facilitates an easier transition to cloud management while retaining enterprise-level microservices and functionality.

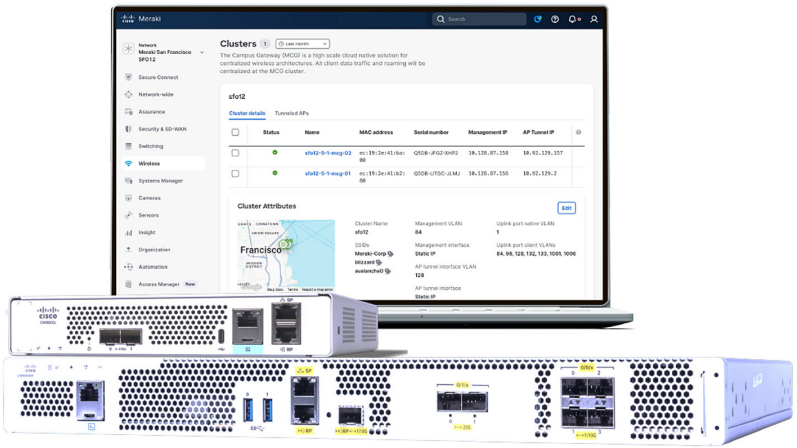


Figure 1. Product photos of the CW9800L-MCG (top) and CW9800H1-MCG (bottom)

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Learn more

Ready for enterprise cloud scale at the campus edge? Check out Campus Gateway today. For additional information, visit the Datasheet or check out the Solution Guide.

Performance and scale for the large campus

Wireless networking should easily scale to provide connectivity for all users and devices. With Campus Gateway, your large campus network will have the infrastructure, security, and services that you need while giving your users and devices the seamless connectivity they demand.

Table 1. Scale and throughput for the two Campus Gateway platforms

	CW9800H1-MCG	CW9800L-MCG
Scale	12,000 access points and 64,000 clients	1000 access points and 12,000 clients
Throughput	100 Gbps; 200 Gbps with HA clustering	10 Gbps; 20 Gbps with HA clustering

Easy transition to cloud architecture

- Cisco unified hardware platform makes deployment simple with a familiar architecture.
- Onboarding and setup through the Cisco Meraki™ cloud dashboard is designed to make the most efficient use of IT team time and bandwidth.
- High-availability (HA) clustering makes Campus Gateway a like-to-like solution to wireless networks managed by an on-premises controller.

Enhanced feature set for AI-enabled organizations:

- Campus Gateway includes infrastructure features for enterprise wireless, such as VLAN pooling, tunnel configuration per SSID, load-balanced active-active HA, and more.
- For security and services, Campus Gateway provides RADIUS proxy, traffic inspection and classification, and more to support intelligent and secure wireless functionality.
- Beyond these, Campus Gateway complements campus networks that use the best Cisco wireless AI features, including AI-RRM, Intelligent Capture, and more.[1]

[1] Some of the features listed here are available only through the Advanced license tier.

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