Cisco Campus Gateway Data Sheet

Contents

Overview

The Cisco Campus Gateway is the intelligent, easy-to-deploy wireless cloud solution for large campus scale, seamless roaming, and flexible functionality for the modern enterprise.
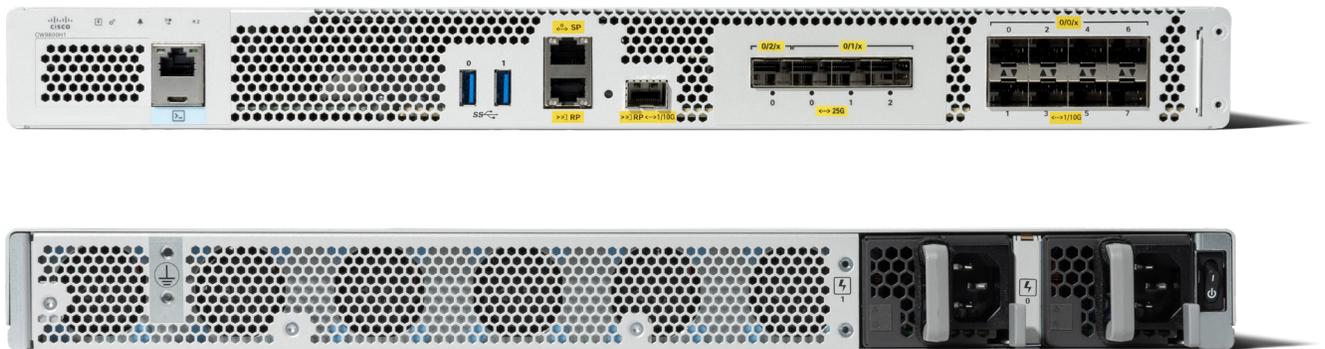
Platform highlights

Cisco Campus Gateway is a cloud native wireless solution, built for large campus wireless networks that require seamless roaming at scale. For organizations that need the agility and flexibility of cloud management for their wireless networks, this solution is easy to deploy and gives you enterprise-class functionality from the start.

Key features and benefits

Enterprise-class cloud	Deliver agility and flexibility with a cloud-managed architecture without sacrificing functionality. Monitor and manage your wireless network from anywhere.
Performance and scale	Campus Gateway supports your network growth with the ability to scale to 5,000 access points and 50,000 clients and 100Gbps throughput.
Intelligent infrastructure	Easy-to-deploy solution built on a Cisco unified hardware platform means less disruption to your infrastructure design for a smooth transition to cloud-managed wireless.
Support macro and micro segmentation	Adaptive Policy with Security Group Tags simplifies network segmentation and boosts security without sacrificing agility or flexibility.
Onboarding simplicity	Simple and rapid onboarding with the cloud dashboard allows you to set up Day 0.

For more details about Cisco Wireless Campus Gateway feature support, see **Cisco's Feature Matrix**.

How it works

Cloud native, centralized	Campus Gateway is a cloud-native product, built to centralize wireless LAN architecture, offering large campuses choice in their architecture strategy.
Seamless roaming at scale	Keep your users and clients connected with seamless scale across large campus wireless networks.
High availability	For the uptime and peace of mind you need, Campus Gateway supports Active-Active clustering.
Portfolio flexibility and support	Get the full flexibility and benefit of cloud with supported cloud managed Wi-Fi 6, Wi-Fi 6E and Wi-Fi 7 access points.

Upgrade your wireless network with advanced features.

Campus Gateway unlocks cloud management and scale for the enterprise network. Take your network to the next level with AI-enabled features and functionality, now available with Cisco wireless cloud Advanced licenses.

Learn more about advancing your wireless today.

Models and specifications

Campus Gateway is a 1RU device that is built on the same hardware platform as Cisco CW9800 wireless controllers, the products typically used for on-premises management. Although Campus Gateway shares its hardware platform, it is a cloud-native product.
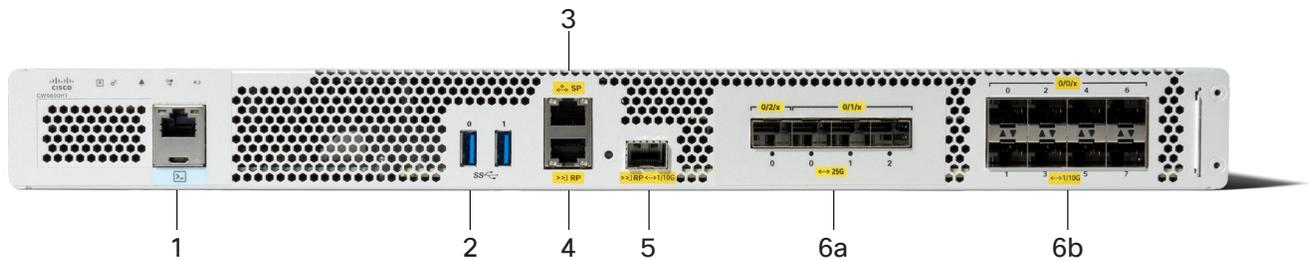

Table 1.   Ports

Port		Purpose
1	1x RJ-45 console port 1x 5-pin Micro-B USB console port	Console ports is disabled for Campus Gateway Deployment
2	2x USB 3.0 ports	USB 3.0 ports are disabled for Campus Gateway Deployment
3	1x RJ-45 service port	Service port for accessing the local status page of the device
4	1x RJ-45 redundancy port	Redundancy port used for high availability stateful fail-over of cluster members
5	1x SFP+ 10 Gbps Ethernet redundancy port	Redundancy port used clustering; works with Cisco support SFPs for redundancy port
6a/6b	Fixed uplink ports (option a) Fixed uplink ports (option b)	4x 25 Gbps SFP28 8x 1/10 Gbps SFP+

Table 2.   Product specifications

Item	Specification
SKU	CW9800H1-MCG
Minimum supported release	Campus Gateway Release MR31.2 Access Points MR31.2
Throughput	Up to 100 Gbps (200 Gbps in clustered)
Scale	5,000 access points and 50,000 clients
Data ports	4 x 25 Gbps SFP28 8 x 1/10 Gbps SFP+
Power	Dual 750W AC power supplies (Option for upgradeable 1100W DC)
Redundancy ports	1 x 1 Gbps RJ-45 1 x 1/10 Gbps SFP+
Service ports	1 x RJ-45

Table 3. Product specifications

Item	Specification
Supported SFPs	**Small Form-Factor Pluggable (SFP) Modules supported:** GLC-LH-SMD GLC-SX-MMD GLC-TE GLC-ZX-SMD GLC-BX-U GLC-BX-D GLC-EX-SMD **Enhanced SFP (SFP+ / SFP28) Modules supported:** SFP-10G-SR SFP-10G-SR-S SFP-10G-LR SFP-10G-LR-X SFP-10G-ER SFP-H10GB-ACU10M SFP-H10GB-CU5M SFP-10G-AOC10M Finisar-LR (FTLX1471D3BCL) Finisar-SR (FTLX8574D3BC) SFP-H10GB-CU1M SFP-H10GB-CU1-5M SFP-H10GB-CU2M SFP-H10GB-CU2-5M

Table 3. Product specifications

Item	Specification
Supported SFPs	SFP-H10GB-CU3M
	SFP-H10GB-ACU7M
	SFP-10G-AOC1M
	SFP-10G-AOC2M
	SFP-10G-AOC3M
	SFP-10G-AOC5M
	SFP-10G-AOC7M
	SFP-10/25G-CSR-S (Only supported in the 25-GE ports)
	SFP-10/25G-LR-S (Only supported in the 25-GE ports)
	SFP-25G-SR-S
	SFP-25G-AOC2M
	SFP-25G-AOC10M
	SFP-25G-AOC5M
	SFP-H25G-CU1M
	SFP-H25G-CU5M
	SFP-25G-AOC3M
	SFP-25G-AOC7M
	SFP-25G-AOC1M
	Supported Redundancy Port SFP (SFP / SFP+) Modules:
	GLC-LH-SMD
	GLC-SX-MMD
	SFP-10G-SR
	SFP-10G-SR-S
	SFP-10G-LR
	SFP-10G-LR-S

Table 4. Campus Gateway supported access points

Standard	Models
Wi-Fi 6	MR36, MR36H ,MR44, MR46, MR46E, MR56, MR76, MR78, MR86
Wi-Fi 6E	MR57, CW9162, CW9163, CW9164, CW9166
Wi-Fi 7	All models

Licensing

Campus Gateway does not require a device license for implementation. However, access points supported by Campus Gateway will require either an Enterprise or Advanced tier cloud license, or for Wi-Fi 7 access points, a Cisco Networking subscription of either the Essentials or Advantage tier to enable dashboard functionality. For more information on licensing, **see this resource**.

Cisco Enterprise Agreements

The Cisco Enterprise Agreement (EA) is a flexible licensing solution that simplifies the purchase, management, and deployment of Cisco technologies.

By combining multiple Cisco software and services into one agreement, the EA provides easy access to a wide range of products, including networking, security, collaboration, and data center solutions.

This approach reduces administrative tasks, offers predictable costs, and allows for scalability and adaptability. With the flexibility of the Cisco EA, organizations can drive digital transformation and innovation while maintaining control over their IT investments. For more information, go to **Cisco Enterprise Agreement**.

Offers

To connect with a Cisco sales expert, build your own estimate, or find a partner, visit our **How to Buy hub**.

Ordering information

· **Contact sales**

· **Find a partner**

· **Create an estimate**

Table 5. Ordering information

Product number	Description
CW9800H1-MCG	Campus Gateway

Warranty

The following table provides information about the E-LLW.

Table 6. Enhanced Limited Lifetime Warranty (E-LLW) details

Description	Cisco E-LLW
Devices covered	Applies to Campus Gateway.
Warranty duration	As long as the original customer owns the product.
End-of-Life Policy	In the event of discontinuance of product manufacture, Cisco warranty support is limited to 5 years from the announcement of discontinuance.
Hardware replacement	Cisco or its service center will use commercially reasonable efforts to ship a replacement for NBD delivery, where available. Otherwise, a replacement will be shipped within 10 working days after receipt of the Return Materials Authorization (RMA) request. Actual delivery times might vary depending on customer location.
Effective date	Hardware warranty commences from the date of shipment to customer (and in case of resale by a Cisco reseller, not more than 90 days after original shipment by Cisco).

Table 6. Enhanced Limited Lifetime Warranty (E-LLW) details

Description	Cisco E-LLW
TAC support	Cisco will provide during business hours, 8 hours per day, 5 days per week, basic configuration, diagnosis, and troubleshooting of device-level problems for up to a 90-day period from the date of shipment of the originally purchased Cisco product. This support does not include solution or network level support beyond the specific device under consideration.
Cisco.com access	Warranty allows guest access only to Cisco.com.

Product sustainability

Cisco is embedding sustainability into the product lifecycle—from manufacturing to end of use. Designed with consideration for Cisco's **Circular Design Principles**, our products feature both individual and portfolio-wide programs and innovations, including those that address efficient architecture design, power consumption, energy management, packaging sustainability, and takeback. These elements are pivotal in reducing operational costs and advancing net-zero Greenhouse Gas (GHG) emissions targets, and other sustainability-related ambitions.

Information about Cisco's Environmental, Social, and Governance (ESG) initiatives and performance is available in **Cisco's Purpose Reporting Hub**.

Appendix

Next steps

Cisco Capital	Cisco Capital flexible payment solutions offer choices so you get the tech you need and the business outcomes you want.
Explore Cisco Capital	https://www.cisco.com/site/us/en/buy/payment-solutions/index.html
Find a partner	Solve your business challenges by finding a Cisco partner authorized to design, sell, and support custom solutions.
Meet our partners	https://www.cisco.com/site/us/en/partners/connect-with-a-partner/index.html
Community	Cisco Community is an active and collaborative place to learn more about our products and ask questions of peers and Cisco experts.
Join the community	https://community.cisco.com/
Cisco Services	Transform with more ease and less risk while making sure your technology delivers tangible business value.
Browse Cisco Services	https://www.cisco.com/site/us/en/services/index.html