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Cisco Catalyst 9800 Series Wireless Controllers

With 26 billion networked devices connections by 2020, 120 million new malware variants every year, businesses losing $700 billion a year to IT downtime and 86 percent cloud adoption among enterprises by 2019, customers expect a wireless and wired network that is always on, has integrated security, and can be deployed anywhere, including in the cloud of their choice.

Built from the ground up for intent-based networking and Cisco DNA, Cisco® Catalyst® 9800 Series Wireless Controllers bring together Cisco IOS® XE Software and Cisco RF excellence to create a best-in-class wireless experience for your evolving and growing organization.

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.

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Cisco Catalyst 9800-80	Cisco Catalyst 9800-40	Cisco Catalyst 9800-L	Cisco Catalyst 9800-CL for Cloud	Cisco Catalyst 9800 embedded wireless
			Cisco® ENCS VMWare® AWS KVM	
The Cisco Catalyst 9800-80 is our leading modular wireless controller, supporting up to 6000 access points and 64,000 clients.	The Cisco Catalyst 9800-40 is ideal for midsize organizations and campus deployments. It supports up to 2000 access points and 32,000 clients.	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.	The Cisco Catalyst 9800-CL is the next generation of enterprise-class virtual wireless controllers, built for high availability and security.	The Cisco Catalyst 9800 embedded wireless is a software package that enables wireless on the Cisco Catalyst 9000 switching platforms.
Supports up to 80 Gbps throughput and occupies 2RU rack space.	Supports up to 40 Gbps throughput and occupies 1RU rack space.	Supports 5 Gbps throughput and occupies only 1RU.	Multiple scale options to meet the needs of your branch and campus network deployments.	Download and install on your Cisco Catalyst 9300 Series Switches to support up to 200 access points and 4000 wireless clients.
Investment protection with a variety of optional modular uplink choices: 1GE, 10GE, 40GE, and 100GE to scale with your enterprise.	A highly scalable, service-rich, resilient, and flexible platform that runs the Cisco IOS XE operating system, supporting a rich set of open, programmable APIs to provide a standard and easy way to orchestrate its functions.	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.	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.	Cisco Catalyst 9800 embedded wireless brings your wired and wireless infrastructure together with consistent policy and management.
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.	Fully interoperable with AireOS controllers and 802.11ac Wave 1 and Wave 2 access points.	The Cisco Catalyst 9800-CL for Public Cloud is available on Amazon Web Services **(AWS)** and supports Cisco FlexConnect® with up to 1000 access points and 10,000 clients.	Supports only SD-Access, which is a highly secure solution for small campuses and distributed branches.
Fully interoperable with AireOS controllers and 802.11ac Wave 1 and Wave 2 access points.			Built on the Cisco IOS XE operating system, which offers a rich set of open standards-based programmable APIs and model-driven telemetry.	
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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.

Next generation of infrastructure products

Our new Cisco Catalyst 9800 Series wireless controllers are the next generation of wireless infrastructure products, built from the ground up for intent-based networking. They are designed to take advantage of Cisco Digital Network Architecture (Cisco DNA) and Cisco SD-Access. An open and programmable operating system provides flexibility of management and automation. The Cisco Catalyst 9800 Series is also the first in the line to offer flexible deployment and unprecedented scale options to meet the needs of your growing organization.