2220012677

C9800-L-F-K9

Cisco Catalyst 9800-L Wireless Controller - Fiber Uplink



The Cisco® Catalyst® 9800-L is a fixed wireless controller with seamless software updates for small and midsize enterprises.
Built from the ground up for intent-based networking, the Cisco Catalyst 9800-L brings together Cisco IOS® XE Software and Cisco RF excellence to create a best-in-class wireless experience for your evolving and growing organization.

CISCO Certified

Description

The Cisco® Catalyst® 9800-L is a fixed wireless controller with seamless software updates for small and midsize enterprises. Built from the ground up for intent-based networking, the Cisco Catalyst 9800-L brings 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-L is feature rich and enterprise ready to power your business-critical operations and transform end-user experiences:

- Choose between copper and fiber uplinks. This choice gives you flexibility in your network.
- High availability and seamless software updates, enabled by hot and cold patching, keep your clients and services always on in planned and unplanned events.
- Secure the air, devices, and users with the Cisco Catalyst 9800-L. The wireless infrastructure becomes the strongest first line of defense, with Encrypted Traffic Analytics (ETA) and Software-Defined Access (SD-Access). The controller comes with built-in security: Secure Boot, runtime defenses, image signing, integrity verification, and hardware authenticity.
- Built on a modular operating system, the controller features open and programmable APIs that enable automation of day-0 to day-N network operations. Model-driven streaming telemetry provides deep insights into your network and client health.
- Cisco User Defined Network, a feature available in Cisco DNA Center, allows IT to give end users control of their very own wireless network partition on a shared network. End users can then remotely and securely deploy their devices on this network. Perfect for university dormitories or extended hospital stays, Cisco User Defined Network grants both device security and control, allowing each user to choose who can connect to their network.
- The Wi-Fi 6 readiness dashboard is a new dashboard in the Assurance menu of Cisco DNA Center. It will look through the inventory of all devices on the network and verify device, software, and client compatibility with the new Wi-Fi 6 standard. After upgrading, advanced wireless analytics will indicate performance and capacity gains as a result of the Wi-Fi 6 deployment. This is an incredible tool that will help your team define where and how the wireless network should be upgraded. It will also give you insights into the access point distribution by protocol (802.11 ac/n/abg), wireless airtime efficiency by protocol, and granular performance metrics.
- With Cisco In Service Software Upgrade (ISSU), network downtime during a software update or upgrade is a thing of the past. ISSU is a complete image upgrade and update while the network is still running. The software image—or patch—is pushed onto the wireless controller while traffic forwarding continues uninterrupted. All access point and client sessions are retained during the upgrade process. With just a click, your network automatically upgrades to the newest software.

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Specifications

ORDER INFORMATION	MODEL
2220012677	Cisco Catalyst 9800-L Wireless Controller - Fiber Uplink
2220012678	Cisco Catalyst 9800-L Wireless Controller - Copper Uplink
2220012679	C9800 Wireless Controller Rack Mount Tray 2HU

ADDITIONAL LICENSE ORDERING INFORMATION	
LIC-C9800L-PERF	Cisco C9800 Series Wireless Controller upgrade license

FEATURE	
Maximum number of access points	250 (500 with Performance license)
Maximum number of clients	5000 (10,000 with Performance license)
Maximum throughput	5 Gbps (10 Gbps with Performance license)
Maximum WLANs	4096
Maximum VLANs	4096
Fixed uplinks	2x 10G/Multigigabit fiber (SFP+)
Power supply	110W, 12V DC, AC/DC adapter
Maximum power consumption	84.5W (assumes 2pc 2.5W SFP and with 4.5W USB load)
Form factor	1RU; half-width chassis allows side-by-side installation in standard 19-in. rack
Access points	Cisco Aironet® 802.11ac Wave 1 and Wave 2 access points, Cisco Catalyst 9100 802.11ax access points

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PORTS	DESCRIPTION
1x RJ-45 console port	Console port for out-of-band management.
1x Micro USB console port	Console port for out-of-band management.
1x USB 3.0 port	USB 3.0 port for plugging in external memory.
1x RJ-45 management port	Management port used for out-of-band management. Also known as the service port.
1x RJ-45 redundancy port	Redundancy port used for SSO.
4x 2.5G/1G copper and 2x 10G SFP+ fiber ports	Ports used for sending and receiving traffic between access points and controller, northbound traffic, in-band management traffic, and wireless client traffic. Must be connected to the switch.

ENVIRONMENTAL CONDITIONS	
Operating temperature	0° to 40°C
Operating humidity	5% to 95% noncondensing
Electrical input	AC input frequency range: 47 to 63 Hz
	AC input range: 90 to 264 VAC
Maximum power	84.5W (assumes 2pc 2.5W SFP and with 4.5W USB load)
Maximum heat dissipation	288.2 Btu/hr (assumes 2pc 2.5W SFP and with 4.5W USB load)
Power adapter	Input power: 100 to 240 VAC; 50/60 Hz

PHYSICAL DIMENSIONS	
Width	21.59 cm
Depth	23.01 cm
Height	4.02 cm
Weight	1.82 kg

Accessories

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C9800L-RMNT

C9800 Wireless Controller Rack Mount Tray

Item Number: 2220012679

Used With



C9105AXI-E

Cisco C9105AX Access Point with CAPWAP software - EMEA(E)

Item Number: 2220012671



C9105AXI-B

Cisco C9105AX Access Point with CAPWAP software - USA(B)

Item Number: 2220012672



C9105AXI-A

Cisco C9105AX Access Point with CAPWAP software - Canada(A)

Item Number: 2220012673



C9115AXI-E

Cisco C9115AX Access Point with CAPWAP software - EMEA(E)

Item Number: 2220012674



C9115AXI-B

Cisco C9115AX Access Point with CAPWAP software - USA(B)

Item Number: 2220012675



C9115AXI-A

Cisco C9115AX Access Point with CAPWAP software - Canada(A)

Item Number: 2220012676



Cisco 1562i - EMEA

Cisco 1562i Outdoor Wireless Access Point use in EMEA (E)

Item Number: 2220012637



Cisco 1562i - USA

Cisco 1562i Outdoor Wireless Access Point use in USA (B)

Item Number: 2220012660

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Cisco 1562i - Canada

Cisco 1562i Outdoor Wireless Access Point use in Canada (A)

Item Number: 2220012661

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