

BRAND NEW & VERIFIED



VERIFIED PRODUCT DATASHEET

C9800-L-C-K9

Cisco Network Hardware Specification, Availability and Quote Reference

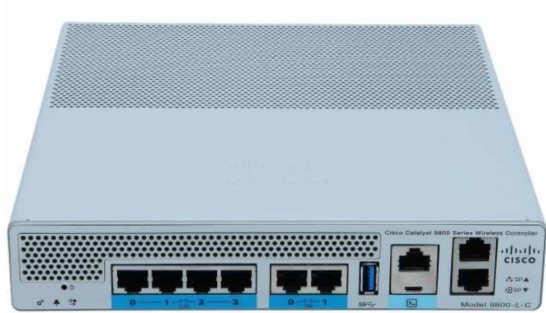
Product Model	C9800-L-C-K9
Document Type	Product Datasheet
Condition	Brand New, Original and Verified
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C9800-L-C-K9 Datasheet

The Cisco C9800-L-C-K9 datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the C9800-L-C-K9 and integrate it into enterprise or service provider networks with confidence.

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Key Features

Always-on resiliency and nonstop upgrades

In-service software upgrade and stateful switchover (SSO) minimize downtime and deliver carrier-grade reliability.

Policy-rich segmentation and security

Identity-based access, adaptive policy, Trust Anchor/secure boot, and macro/micro-segmentation for zero-trust WLAN.

Intelligent RF and performance optimization

Dynamic channel/power, advanced RRM, and application visibility (AVC) to stabilize airtime and boost QoE.

Automation & assurance at scale

Integrates with Cisco DNA Center for intent-based automation, AI-driven insights, and proactive health monitoring.

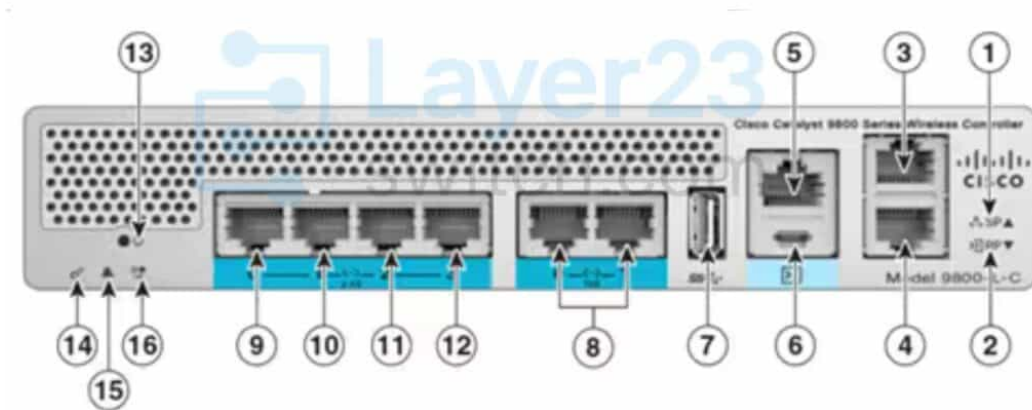
Flexible deployment models

Supports centralized/campus, SD-Branch, and distributed sites; N+1 backup and SSO for high availability.

Modern AP and standard support

Works with Cisco Wi-Fi 6 (802.11ax) APs, WPA3, 802.1X, and contemporary roaming/fast-secure mobility features.

C9800-L-C-K9 Front View



Label	Description	Label	Description
1	Service port LED	2	Redundancy port LED
3	Service Port (SP) (RJ-45) for out-of-band management	4	Redundancy port
5	RJ-45 console port	6	Micro-B USB console
7	USB 3.0 port	8	2x 10G/Multigigabit copper
9-12	Quad RJ-45 2.5G/1G Multigigabit Ethernet ports	13	Reset button
14	System LED	15	Alarm LED
16	High availability LED		

Specification

Parameter	Details	Parameter	Details
Model SKU	C9800-L-C-K9	Product Family	Cisco Catalyst 9800 Series Wireless Controllers
Uplink Ports	4x 100M/1G/2.5G/10G RJ-45 (Copper)	Console Ports	1x RJ-45, 1x Micro-USB (USB 2.0)
Management Port	1x RJ-45 10/100/1000 Mgmt	USB Ports	1x USB 3.0 Type A
Maximum Access Points	250	Maximum Clients	5,000
Maximum Throughput	5 Gbps	VLANs	4096
WLANs (SSIDs)	4096	PMK Cache Entries	40,000
Operating System	Cisco IOS XE	Processor	Intel x86 4-Core CPU
DRAM Memory	8 GB	Flash Memory	16 GB
High Availability	Stateful Switchover (SSO), 1:1, N+1	Access Point Support	Wi-Fi 6, Wi-Fi 6E, 802.11ac Wave 1/2, 802.11n
Security Standards	WPA3, WPA2, AES, TKIP, 802.1X, EAP-TLS, EAP-TTLS, PEAP	Wireless QoS	Platinum, Gold, Silver, Bronze, Metal
IPv6 Support	Yes, Native IPv6 and Dual Stack	Netconf/YANG	Supported
Power Input (DC)	12V DC	AC Adapter Input	100 to 240 VAC, 50/60 Hz
Max Power Consumption	86.9W (with USB load)	Power Adapter Output	110W (12V DC)
Dimensions (H x W x D)	1.58 x 8.5 x 9.06 in (4.02 x 21.59 x 23.01 cm)	Weight	3.95 lb (1.79 kg)
Mounting Options	Rack Mount (19-inch), Desktop, Wall Mount	Operating Temperature	32°F to 104°F (0°C to 40°C)
Storage Temperature	-4°F to 158°F (-20°C to 70°C)	Operating Humidity	5% to 95% non-condensing
Operating Altitude	Up to 10,000 ft (3000 m)	Mean Time Between Failures	227,330 Hours (40°C)
Safety Certifications	UL 60950-1, IEC 60950-1, EN 60950-1	EMC Certifications	FCC Part 15 Class A, EN 55032, VCCI Class A
RFC Compliance	RFC 768, 791, 792, 793, 826, 1122, 1123, 1542, 2131	Warranty	Enhanced Limited Lifetime Warranty (E-LLW)

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- WhatsApp: [+8617181189993](#)
- Wechat: [layer23-switch](#)
- Telegram: [layer23_switch](#)
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