

BRAND NEW & VERIFIED



VERIFIED PRODUCT DATASHEET

C9800-80-K9

Cisco Network Hardware Specification, Availability and Quote Reference

Product Model	C9800-80-K9
Document Type	Product Datasheet
Condition	Brand New, Original and Verified
Supplier	Layer23-Switch.com

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C9800-80-K9 Datasheet

The Cisco C9800-80-K9 datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the C9800-80-K9 and integrate it into enterprise or service provider networks with confidence.

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Key Features

Enterprise-scale performance

Supports very high AP and client densities with up to 80 Gbps data-plane throughput to serve mission-critical, high-density venues.

Always-on resiliency

Provides seamless upgrades and 1:1 stateful switchover so maintenance and failures have minimal impact on users and services.

Defense-in-depth security

Implements secure boot, image integrity checks, WPA3, and advanced policy segmentation, helping enforce zero-trust enterprise WLAN.

Open programmability and automation

Offers model-driven telemetry and open APIs (NETCONF/RESTCONF/YANG) for day-0 to day-N automation and multi-tool integration.

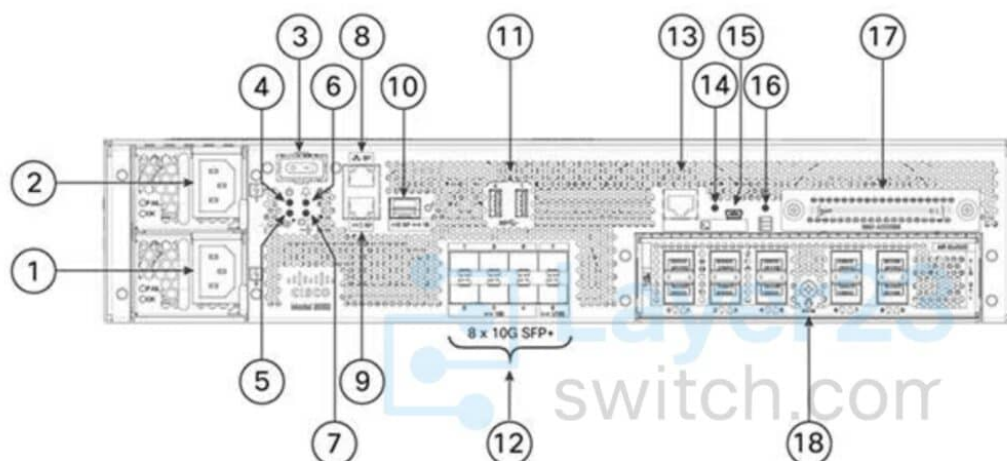
Intelligent RF and user experience assurance

Combines Cisco RF excellence with analytics to optimize channels, power, and airtime while surfacing actionable insights to IT.

Flexible deployment options

Supports centralized campus, FlexConnect for branches, and Fabric Wireless, ensuring consistent policy and operations at scale.

C9800-80-K9 Front View



Label	Component
1	Power supply (PEM 0)
2	Power supply (PEM 1)
3	Power (PWR) switch
4	PWR: Power LED
5	SYS: System LED
6	ALM: Alarm LED
7	HA: High-availability LED
8	SP: RJ-45 10/100/1000 management Ethernet port
9	RP: RJ-45 10/100/1000 redundancy Ethernet port
10	RP: 1G SFP port (the only SFPs supported on the RP port are GLC-SX-MMD and GLC-LH-SMD)
11	USB ports 0 and 1
12	Fixed: 6x 10G and 2x 1G or 8x 10G
13	CON: RJ-45 compatible console port

14	LINK: RJ-45 connector LED
15	CON: Mini USB console port
16	SSD: SSD activity LED
17	SSD access
18	Modular uplink

Specification

Parameter	Specification	Parameter	Specification
Model	Cisco Catalyst C9800-80-K9	Form factor	High-capacity controller, rack-mount
Operating system	Cisco IOS XE (Catalyst 9800 WLC)	Deployment modes	Centralized, FlexConnect, Fabric Wireless
Max access points	up to 6000	Max clients	up to 64,000
Data plane throughput	up to 80 Gbps	WLANs / VLANs	4096 / 4096
Uplinks	multiple 10G SFP+ ports (aggregation capable)	Redundancy	1:1 SSO, N+1
Management	Web UI, CLI, SNMP, NETCONF/RESTCONF	Console / USB	RJ-45 and/or Micro-USB console, USB 3.0
Programmability	Open APIs, YANG models, streaming telemetry	Assurance	DNA Center integration, analytics
Security	Secure Boot, image signing, integrity verification	WLAN security	WPA3/WPA2, 802.1X, RADIUS/TACACS
QoS and visibility	NBAR2 app recognition, Flexible NetFlow	AP support	Aironet 11ac W1/W2, Catalyst 9100 (11ax)
Power	AC power supply (redundant PSU options)	Thermal / acoustics	Per datasheet values
Dimensions and weight	Per datasheet values	Environment	Operating temp/humidity per datasheet
Compliance	Safety/EMC certifications per datasheet	Licensing	Smart Licensing; DNA Essentials/Advantage

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