

CISCO · SWITCHES

C9800-L-F-K9

4x2.5G Copper + 2x10G SFP+ Ports · 250/500 APs · Half-Width 1RU Wireless Controller

New, factory-sealed · 3-year LSCare warranty · Ships from Hong Kong and US stock



Product Model	C9800-L-F-K9
Category	Switches
Condition	New, factory-sealed
Warranty	3-year LSCare warranty
Supplier	Layer23-Switch · www.layer23-switch.com



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The C9800-L-F-K9 is a Cisco Catalyst 9800-L wireless controller that joins the wired network over two 10G SFP+ fiber uplinks. Out of the box it handles 250 access points, 5000 clients and 5 Gbps, the perpetual Performance license lifts that to 500 access points, 10,000 clients and 10 Gbps, and four 2.5G/1G RJ-45 ports sit beside the SFP+ pair.

New, factory-sealed · [3-year LSCare warranty](#) · [14-day returns](#) · [Cisco SN check before shipment](#)

Specifications

Product ID	C9800-L-F-K9	Controller model	Cisco Catalyst 9800-L (Fiber Uplink) Wireless Controller
Form factor	1RU half-width chassis; side-by-side installation in a standard 19-in. rack	Operating system	Cisco IOS XE
Minimum software release	Cisco IOS XE Software 16.12.1	Deployment modes	Centralized, Cisco FlexConnect, and fabric
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 (1374-byte packets)	Throughput with IMIX	5 Gbps with or without Performance license
Maximum WLANs	4096	VLAN IDs	4096
Fixed uplinks	2x 10G SFP+ fiber	Data ports	4x 2.5G/1G RJ-45 copper; 10 Mbps not supported; must connect to a switch
Management port	1x RJ-45 service port for out-of-band management	Redundancy port	1x RJ-45 for SSO
Console port	1x RJ-45 console and 1x Micro USB console	USB port	1x USB 3.0 for external memory
CPU	Intel Broadwell-NE, 8 cores, 2 GHz	DRAM	16 GB DDR4
Flash	32 GB eMMC bulk flash	Bluetooth	Hardware support for a Bluetooth dongle as an IP management interface
Access points	Cisco Aironet 802.11ac Wave 1 and Wave 2 access points, Cisco Catalyst 9100 802.11ax access points	Wireless	IEEE 802.11a, 802.11b, 802.11g, 802.11d, WMM/802.11e, 802.11h, 802.11n, 802.11k, 802.11r, 802.11u, 802.11w, 802.11ac Wave 1 and Wave 2, 802.11ax
Cisco Wi-Fi 7 access points	Supported on-premises from Cisco IOS XE 17.15.2; some access point models need a later release	Interoperability	AireOS-based controllers
Management	Cisco DNA Center, Cisco Prime Infrastructure, embedded WebUI, and open standards APIs	High availability	SSO with active standby and N+1 redundancy; ISSU; SMU hot and cold patching
License	Smart License enabled; Cisco DNA subscription required for each access point; optional perpetual Performance license LIC-C9800L-PERF	Default power supply	External single-output 12V DC, 110W, 120/240V AC adapter C9800-AC-110W, shipped by default

AC input	90 to 264 VAC, 47 to 63 Hz; adapter input 100 to 240 VAC, 50/60 Hz	Maximum power consumption	84.5W (two 2.5W SFPs and 4.5W USB load)
Heat dissipation	288.2 BTU/hr (two 2.5W SFPs and 4.5W USB load)	Sound power level	40 dBA normal at 25°C; 42.9 dBA maximum at 40°C
Operating temperature	0°C to 40°C (32°F to 104°F); maximum derated 1.0°C per 1000 ft (305 m) of altitude	Storage temperature	-25°C to 70°C (-13°F to 158°F)
Operating altitude	0 to 3000 m (0 to 10,000 ft)	Nonoperating altitude	0 to 12,192 m (0 to 40,000 ft)
Dimensions (H x W x D)	8.5 x 9.06 x 1.58 in (21.59 x 23.01 x 4.02 cm)	Weight	1.82 kg (4.01 lb)
Safety certifications	UL/CSA 60950-1, IEC/EN 60950-1, AS/NZS 60950.1, CAN/CSA-C22.2 No. 60950-1	EMC emissions	Class A: FCC 47CFR15, AS/NZS CISPR 22, CISPR 22, EN55022/EN55032, ICES-003, VCCI, KN 32, CNS-13438; EN61000-3-2, EN61000-3-3
Supported SFP modules	GLC-BX-D, GLC-BX-U, GLC-SX-MMD, GLC-ZX-SMD, GLC-TE	Supported SFP+ modules	SFP-10G-SR, SFP-10G-SR-S, SFP-10G-SR-X, SFP-10G-LR, SFP-10G-LR-S, SFP-10G-LR-X, SFP-10G-LRM, SFP-H10GB-CU1M/1.5M/2M/2.5M/3M/5M, SFP-H10GB-ACU7M/ACU10M

Get Price and Availability for C9800-L-F-K9

New, factory-sealed units with a 3-year warranty. Our sales team quotes within one business day, and in-stock orders ship within one business day of payment from our Hong Kong and US warehouses.

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