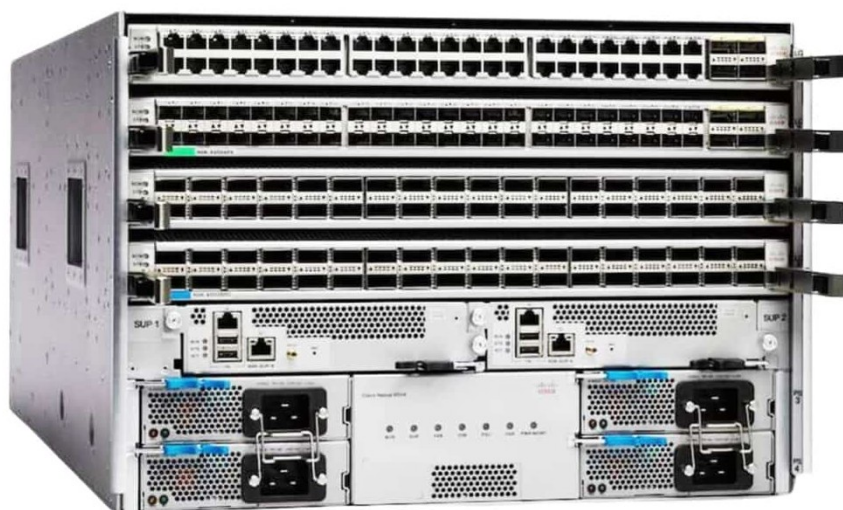


CISCO · NEXUS 9000 SERIES SWITCHES

N9K-C9504

4 Line Card Slots · 7RU Modular Chassis · Nexus Data Center Switch

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



Product Model	N9K-C9504
Category	Nexus 9000 Series Switches
Condition	New, factory-sealed
Warranty	3-year LSCare warranty
Supplier	Layer23-Switch · www.layer23-switch.com



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Warranty



CISCO · NEXUS 9000 SERIES SWITCHES

N9K-C9504

4 Line Card Slots · 7RU Modular Chassis · Nexus Data Center Switch

The N9K-C9504 is a Cisco Nexus 9500 Series 4-slot modular switch chassis for data center spine, core and aggregation layers. The 7 RU chassis holds 4 line cards, up to 6 fabric modules of one type, 2 supervisors and 4 power supplies, and each FM-G fabric module adds up to 1.6 Tbps to every line card slot.

New, factory-sealed · 3-year LSCare warranty · 14-day returns · Cisco SN check before shipment

Specifications

Product ID	N9K-C9504	Cisco ordering description	Cisco N9504 Chassis with 4 line card slots
Number of line card slots	4	Rack units	7
Supervisor slots	2 (SUP 1 and SUP 2); redundant supervisors must be the same type	Supported supervisors	N9K-SUP-A, N9K-SUP-A+, N9K-SUP-B and N9K-SUP-B+
System controller slots	2 (SC 1 and SC 2) for N9K-SC-A	System controller power	N9K-SC-A 14 W typical, 25 W maximum, hot swappable
Fabric module slots	6 (FM 1 to FM 6), all fabric modules of the same type	Supported fabric modules	N9K-C9504-FM-E, N9K-C9504-FM-S, N9K-C9504-FM-R, N9K-C9504-FM-G and the 40G fabric module for the N9504
Fabric capacity per line card slot	Up to 1.6 Tbps per N9K-C9504-FM-G and 800 Gbps per N9K-C9504-FM-E	Fabric module total capacity	N9K-C9504-FM-G 6.4 Tbps; N9K-C9504-FM-E 3,200 Gbps
Fabric module slot rules	3 modules in FM 2, 4 and 6; 4 in FM 2, 3, 4 and 6; 5 FM-E in FM 2 to FM 6; 6 in all slots; FM 5 works only with N9K-X9736C-FX, N9K-X9736Q-FX and N9K-X9736C-FX3	Mixed line card generations	EX, FX, FX3 and GX line cards can share a chassis with at most 4 fabric modules; additional fabric modules are powered down
Line cards with N9K-C9504-FM-E	N9K-X97160YC-EX, N9K-X9732C-EX, N9K-X9732C-FX, N9K-X9736C-EX and N9K-X9788TC-FX at 4 fabric modules; N9K-X9736C-FX, N9K-X9736C-FX3 and N9K-X9736Q-FX at 5	Line cards with N9K-C9504-FM-G	N9K-X9732C-EX, N9K-X9736C-EX, N9K-X97160YC-EX, N9K-X9732C-FX, N9K-X9736C-FX, N9K-X9736C-FX3, N9K-X9788TC-FX and N9K-X9716D-GX
Fan tray slots	3 (FAN 1 to FAN 3), each covering two fabric module slots	Supported fan trays	N9K-C9504-FAN with the 40G fabric module, N9K-C9504-FM-E, N9K-C9504-FM-S and N9K-C9504-FM-R; N9K-C9504-FAN2 with N9K-C9504-FM-G
Empty fabric slot fillers	N9K-C9504-FM-CV with the 40G fabric module or N9K-C9504-FM-E; N9K-C9504-FAN-PWR with FM-G fabric modules	N9K-C9504-FAN power	95 W typical, 150 W maximum
Fan tray service	Operates on two fan trays while one is replaced; with more than one tray removed the switch shuts down within two minutes	Power supply slots	4 (PS 1 to PS 4)

Power supply options	No default supply; N9K-PAC-3000W-B 3000W AC, N9K-PUV-3000W-B 3000W universal AC/DC, N9K-PUV2-3000W-B 3150W dual-input universal AC/DC or N9K-PDC-3000W-B 3000W DC	Power supply input	N9K-PAC-3000W-B 200 to 240 VAC; N9K-PUV-3000W-B 200 to 277 VAC or 240 to 380 VDC; N9K-PDC-3000W-B -48 to -60 VDC
Power redundancy modes	Combined, n+1 and n+n; up to 2 supplies in combined mode, 3 with n+1 and 4 with n+n	Available power with 3 kW supplies at 220 V	2 supplies 6,000W / 3,000W / 3,000W; 3 supplies 9,000W / 6,000W / 3,000W; 4 supplies 12,000W / 9,000W / 6,000W (combined / n+1 / n+n)
Power supply sizing	Sum of module maximum power divided by 3000W and rounded up; one more for n+1; double for n+n	Power type rule	All supplies of the same type, AC or DC; AC and DC supplies are not mixed
Power supply efficiency	80PLUS Platinum or higher on AC input	Airflow	Port-side intake, front-to-back through the chassis
Operating modes	Cisco ACI or Cisco NX-OS; ACI-mode and NX-OS-mode line cards are not mixed in one chassis	Management interfaces	On each supervisor: two USB ports, one serial port and one 10/100/1000 Ethernet management port
Dimensions (H x W x D)	12.25 x 17.50 x 33.15 in (31.1 x 44.50 x 84.20 cm), depth including handles	Weight	38.2 kg (84 lb)
Mean time between failure (MTBF) hours	1,038,080	Operating temperature	0°C to 40°C (32°F to 104°F)
Storage temperature	-40°C to 70°C (-40°F to 158°F)	Operating humidity	5 to 90% operating and 5 to 95% nonoperating, noncondensing
Operating altitude	0 to 13,123 ft (0 to 4,000 m)	Regulatory compliance	CE Markings according to directives 2004/108/EC and 2006/95/EC
Safety certifications	UL 60950-1 Second Edition, CAN/CSA-C22.2 No. 60950-1 Second Edition, EN 60950-1 Second Edition, IEC 60950-1 Second Edition, AS/NZS 60950-1, GB4943	EMC: emissions	47CFR Part 15 Class A, AS/NZS CISPR22 Class A, CISPR22 Class A, EN55022 Class A, ICES003 Class A, VCCI Class A, EN61000-3-2, EN61000-3-3, KN22 Class A, CNS13438 Class A
EMC: immunity	EN55024, CISPR24, EN300386, KN 61000-4 series	RoHS compliance	RoHS-6 compliant with exceptions for leaded ball grid array (BGA) balls and lead press-fit connectors

Optional Add-ons

Add-on	Cisco PID	Purpose
Power Supply / Fan	N9K-PAC-3000W-B	3000W AC Power Supply - Port-Side Intake - Nexus 9500
Power Supply / Fan	N9K-C9504-FAN	Nexus 9504 Fan Tray - FAN 1 to FAN 3 - Port-Side Intake

Get Price and Availability for N9K-C9504

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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Address 2810 North Church Street, Suite 89727, Wilmington, DE 19802, USA

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LAYER23-SWITCH