

CISCO · NEXUS 9000 SERIES SWITCHES

N9K-C9504-FM-E

800 Gbps Per Slot · 100G Flows · Nexus 9504 Fabric Module

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



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



Scan for price and stock

200+

Countries Served

18,000+

Customers Worldwide

US\$9M+

Ready-Stock Inventory

3-Year

Warranty



CISCO · NEXUS 9000 SERIES SWITCHES

N9K-C9504-FM-E

800 Gbps Per Slot · 100G Flows · Nexus 9504 Fabric Module

The N9K-C9504-FM-E is a Cisco Nexus 9500 Series cloud-scale fabric module for the 4-slot Nexus 9504 chassis in data center spine and aggregation switching. The module delivers 800 Gbps to each line-card slot, 3,200 Gbps in total, with a 100 Gbps maximum flow size, and it sits behind the fan trays in one of six rear fabric slots.

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

Specifications

Product type	Cloud-scale fabric module, 4-slot, 100G flows	Cisco ordering ID	N9K-C9504-FM-E; spare N9K-C9504-FM-E=
Supported chassis	Cisco Nexus 9504 (N9K-C9504)	Fabric module slots	FM 1 to FM 6, rear of chassis behind the fan trays, two slots per fan tray
Total capacity	3,200 Gbps	Capacity (per slot)	800 Gbps
Maximum flow size	100 Gbps	Fabric architecture	Each line card connects directly to every fabric module; traffic is load balanced across all installed modules
Fabric modules required for maximum bandwidth	4 with N9K-X97160YC-EX, N9K-X9732C-EX, N9K-X9732C-FX, N9K-X9736C-EX or N9K-X9788TC-FX; 5 with N9K-X9736C-FX, N9K-X9736C-FX3 or N9K-X9736Q-FX	Slot placement	3 modules in FM 2, FM 4, FM 6; 4 in FM 2, FM 3, FM 4, FM 6; 5 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
Cisco ACI spine line cards	N9K-X9736C-FX3, N9K-X9736C-FX, N9K-X9732C-EX (also Cisco NX-OS)	Cisco NX-OS-only line cards	N9K-X9732C-FX, N9K-X9736C-EX, N9K-X97160YC-EX, N9K-X9788TC-FX
Unsupported line card	N9K-X9716D-GX	Fabric module mixing	All fabric modules in a chassis must be the same type
Fan tray	N9K-C9504-FAN	Empty fabric slot blank	N9K-C9504-FM-CV
Typical power	234 W	Maximum power	313 W
Airflow	Port-side intake	Hot swappable	Yes
Dimensions (W x D x H)	2.46 x 11.7 x 9.4 in (6.25 x 29.72 x 23.88 cm)	Weight	6.6 lb (2.98 kg)
Operating temperature (chassis)	32 to 104°F (0 to 40°C)	Nonoperating temperature (chassis)	-40 to 158°F (-40 to 70°C)
Humidity (chassis)	5 to 95% noncondensing	Altitude (chassis)	0 to 13,123 ft (4,000 m)
MTBF	829,890 hours		

Get Price and Availability for N9K-C9504-FM-E

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.

[Request a Quote](#)

[View Product Page](#)



Email sales@layer23-switch.com WhatsApp [+86 171 8118 9993](https://wa.me/8617181189993) WeChat [layer23-switch](#) Telegram [@layer23_switch](#)

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

Cisco and Cisco product names are trademarks of Cisco Systems, Inc. Specifications are summarized from manufacturer documentation for reference; confirm the exact configuration with Layer23-Switch before ordering. Revised October 2026.

LAYER23-SWITCH