

BRAND NEW & VERIFIED



VERIFIED PRODUCT DATASHEET

N9K-C93108TC-FX

Cisco Network Hardware Specification, Availability and Quote Reference

Product Model	N9K-C93108TC-FX
Document Type	Product Datasheet
Condition	Brand New, Original and Verified
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N9K-C93108TC-FX Datasheet

The Cisco N9K-C93108TC-FX datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the N9K-C93108TC-FX and integrate it into enterprise or service provider networks with confidence.



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Key Features

Copper-friendly 10G leaf/ToR

Reuses CAT6/CAT6A runs for 100M/1/10G access while adding simple 40/100G spine uplinks—ideal for staged upgrades without recabling.

Line-rate security for regulated workloads

MACsec on $\geq 10G$ ports protects east-west and uplink traffic for multi-tenant, healthcare, and finance environments with minimal operational overhead.

Burst-tolerant fabrics for mixed apps

2.16 Tbps, 1.2+ Bpps, and 40 MB shared buffers smooth fan-in spikes from virtualization, backup windows, and storage traffic.

Day-0 to Day-N automation

POAP zero-touch bring-up, model-driven telemetry, and open APIs (NETCONF/REST/OpenConfig) fit cleanly with Ansible/Terraform pipelines.

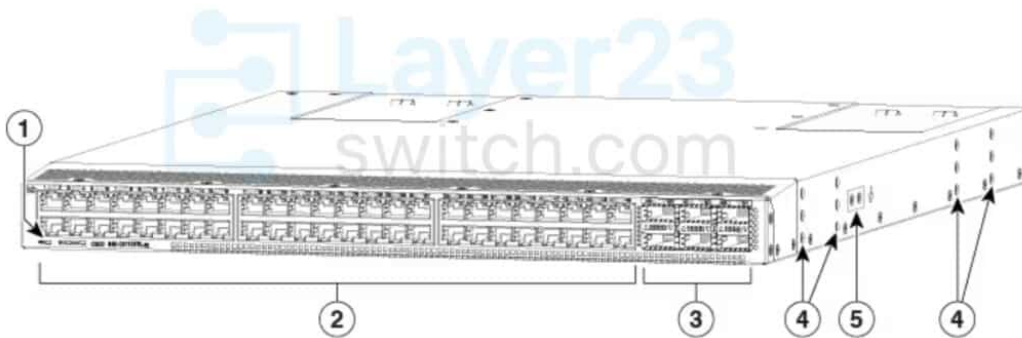
Flexible fabric architectures

Operate as a VXLAN EVPN leaf under NX-OS or as an ACI leaf for intent-based segmentation—supporting both brownfield migrations and greenfield builds.

High availability & serviceability

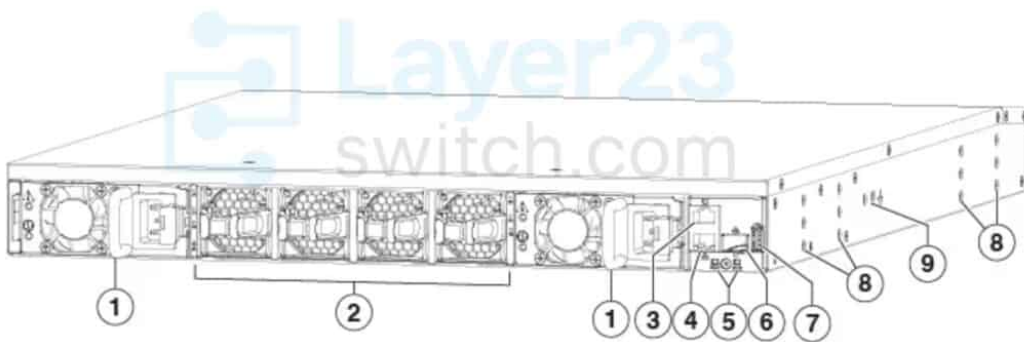
vPC and ECMP for fast convergence, ISSU/SMU to shrink maintenance windows, plus hot-swap N+1 fans/PSUs and front/back airflow options.

Nexus N9K-C93108TC-FX3 Front Panel



1	Beacon [BCN], Status [STS], and Environment [ENV] LEDs	4	Screw holes (6) for attaching rack mounting brackets
2	48 10/1-Gigabit RJ45 ports	5	Grounding pad
3	6 40/100-Gigabit QSFP28 ports		

Nexus N9K-C93108TC-FX Rear Panel



1	Two power supplies (one used for operations and one used for redundancy) (AC power supplies shown) with power supply slot 1 on the left and slot 2 on the right.	6	Management port (SFP+ port)
2	Four fan modules with fan slot 1 on the left and fan slot 4 on the right	7	USB port
3	Console port (RS232 port)	8	Screw holes (6) for attaching rack mounting brackets
4	Management port (RJ-45 port)	9	Grounding pad
5	Chassis LEDs (Beacon [BCN] and Status [STS])		

Specification

Parameter	Specification	Parameter	Specification
Model	N9K-C93108TC-FX (Nexus 9300-FX Series)	Product type	Fixed 10GBASE-T leaf switch with 40/100G uplinks
Downlink ports	48 × 10GBASE-T (autospeed 100M/1G/10G)	Uplink ports	6 × QSFP28 (40/100G)

Parameter	Specification	Parameter	Specification
Breakout options	100G QSFP28 → 4×25G; 40G QSFP+ → 4×10G	Transceiver/DAC/AOC	Cisco-qualified QSFP28/QSFP+/SFP+/SFP28; DAC/AOC supported
System bandwidth	2.16 Tbps	Forwarding rate	≈1.25 bpps
Operating system	NX-OS; ACI leaf capable (switch can run in ACI mode)	Overlay	VXLAN EVPN (L2/L3), Anycast Gateway
L3 features	OSPF, BGP, IS-IS, PBR, uRPF, Multicast (PIM/IGMP/MLD)	Telemetry	Streaming telemetry, ERSPAN, sFlow/NetFlow (IPFIX)
Management & automation	CLI, NX-API/REST, gNMI, SNMP; Ansible/Python	Timing	IEEE 1588v2 PTP / SyncE (profile dependent)
Redundancy	Dual hot-swappable PSUs	Cooling	N+1 hot-swappable fan trays; airflow F2B or B2F (-B/-F SKUs)
Throughput & latency	Wire-rate for supported speeds	Latency class	Low-microsecond (traffic/features dependent)
Physical	1RU fixed chassis; 19-inch rack mount	Mgmt/console	OOB 10/100/1000 Mgmt; RJ-45/USB console
Environmental	Typical operating 0°C-40°C; 5%-95% RH non-condensing	Power input	AC (100-240 VAC) or -48 VDC PSU options (FRU)
Security/QoS	CoPP, uACLs; PFC, ECN, per-queue shaping/policing	Use cases	Leaf/ToR for 10G-T servers with 40/100G fabric uplinks
Ordering PID	N9K-C93108TC-FX	Series	Cisco Nexus 9300-FX

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