

CISCO · NEXUS 9000 SERIES SWITCHES

N9K-C93108TC-FX3

48x10GBASE-T Ports · 6x40/100G QSFP28 · Nexus FX3 Data Center Switch

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



Product Model	N9K-C93108TC-FX3
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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The N9K-C93108TC-FX3 is a Cisco N9300-FX3 Series 1RU data center access switch for server racks cabled with 10GBASE-T copper. The 48 RJ-45 downlinks run at 100M, 1G or 10G with no PoE, and six 40/100G QSFP28 uplinks sit behind 2.16 Tbps of bandwidth, 1.2 Bpps of forwarding and a 40 MB buffer, in port-side intake or exhaust builds.

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

Specifications

Product ID	N9K-C93108TC-FX3	Rack units	1RU fixed data center switch
Downlinks	48 x 100M/1/10G BASE-T, each configurable for 100M, 1G or 10G	Uplinks	6 x 40/100G QSFP28
Uplink connectivity	Up to six 40G or 100G ports, or combinations of 1G, 10G, 25G, 40G, 50G and 100G	Bandwidth	2.16 Tbps
Forwarding rate	1.2 Bpps	CPU	4 cores
DRAM	32 GB default; 32 GB maximum	SSD drive	128 GB
Packet buffer	40 MB	USB port	1
Management port	2 ports: 1 RJ-45 and 1 SFP	RS-232 serial ports	1
Operating modes	Cisco NX-OS, Cisco ACI or Cisco Nexus Hyperfabric	Minimum NX-OS release	NXOS-10.4.2
Minimum ACI release	ACI-16.0.5	Minimum hyperfabric release	Hyperfabric 26-03
MACsec	Ports 49 to 54 from NX-OS 10.4(2)F	MACsec license	Security license required
Flow control on MACsec ports	Link-level flow control and PFC not supported; MKA is the only key exchange protocol	RoCE support	PFC, ETS and DCBX; ECN with marked-packet statistics; WRED
Software licensing	Default software covers Layer 2 security and management; Layer 3 unicast and multicast routing and Nexus Data Broker need additional licenses, subscription or perpetual	Maximum number of Cisco N2000 series fabric extenders per switch	Not supported on this model
Maximum number of IPv4 LPM routes	1,792,000	Maximum number of IPv4 host entries	1,792,000
Maximum number of IPv6 LPM routes	896,000	Maximum number of IPv6 host entries	1,792,000
Maximum number of MAC address entries	512,000	Maximum number of multicast routes	128,000
Number of IGMP snooping groups	32,000	Maximum number of ACL entries	5,000 ingress and 2,000 egress (single-slice forwarding engine)

Maximum number of VLANs	4,096	Number of VRF instances	16,000
Maximum number of ECMP paths	128-way	Maximum number of port channels	512
Maximum number of links in a port channel	32	Number of active SPAN sessions	4
Maximum number of VLANs in RPVST instances	3,967	Maximum number of HSRP groups	490
Number of NAT entries	1,023	Maximum number of MST instances	64
Flow-table size for Cisco Nexus dashboard insights	64,000	Number of queues	8
Power supply configuration	Up to 2 hot-swappable supplies with N+1 redundancy: NXA-PAC-500W-PI or NXA-PAC-500W-PE (500W AC), NXA-PDC-930W-PI or NXA-PDC-930W-PE (930W DC), or N9K-PUV-1200W (1200W HVAC/HVDC)	Power supply airflow	500W AC and 930W DC supplies in port-side intake or port-side exhaust versions; N9K-PUV-1200W bidirectional
Typical power (AC/DC)	420W	Maximum power (AC/DC)	464W
Input voltage (AC)	100 to 240V	Input voltage (HVAC)	200 to 277V
Input voltage (DC)	-48 to -60V	Input voltage (HVDC)	-240 to -380V
Frequency (AC)	50 to 60 Hz	Fan modules	4 hot-swappable fans: NXA-SFAN-35CFM-PI (port-side intake) or NXA-SFAN-35CFM-PE (port-side exhaust)
Airflow	Port-side intake or port-side exhaust	Acoustic noise	Port-side exhaust: 68.6 dBA at 50%, 76 dBA at 70%, 85.9 dBA at 100% fan speed; port-side intake: 70.7 dBA, 78.3 dBA and 86.9 dBA
Operating temperature	0°C to 40°C (32°F to 104°F)	Nonoperating (storage) temperature	-40°C to 70°C (-40°F to 158°F)
Operating humidity	5 to 95% (noncondensing)	Operating altitude	0 to 13,123 ft (0 to 4000 m)
Physical dimensions (H x W x D)	1.72 x 17.3 x 17.9 in. (4.4 x 43.9 x 45.5 cm)	Weight	7.1 kg (15.8 lb) without power supplies or fans
Power supply weight	500W AC: 1.0 kg (2.14 lb); 930W DC: 1.1 kg (2.42 lb); 1200W HVAC/HVDC: 1.1 kg (2.42 lb)	Fan tray weight	NXA-SFAN-35CFM-PE or NXA-SFAN-35CFM-PI: 0.13 kg (0.28 lb)
Rack-mount kits	NXK-ACC-KIT-1RU (4-post) or NXK-ACC-KIT-2P (2-post)	MTBF	315,600 hours
Regulatory compliance	CE markings according to directives 2004/108/EC and 2006/95/EC	Safety certifications	NEBS, 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 BGA balls and lead press-fit connectors		
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Optional Add-ons

Add-on	Cisco PID	Purpose
Optics	SFP-10G-SR-S	10GBASE-SR SFP+ - S-Class - 400m OM4 MMF
Optics	SFP-10G-LR-S	10GBASE-LR SFP+ - S-Class - 10km SMF
Optics	SFP-25G-SR-S	25GBASE-SR SFP28 - 850nm MMF - 100m OM4
Optics	SFP-10/25G-LR-S	10/25GBASE-LR SFP28 - 10 km G.652 SMF - 0 to 70°C Commercial Temperature
Optics	QSFP-40G-SR4-S	40G SR4 S-Class QSFP - MPO-12 MMF - No Breakout
Cable / Stacking Kit	SFP-10G-AOC3M	10G SFP+ AOC - 3m Length - Active Optical Cable
Cable / Stacking Kit	SFP-25G-AOC3M	25G SFP28 AOC - 3m Length - Active Optical Cable
Cable / Stacking Kit	QSFP-H40G-CU5M	40G QSFP DAC - 5m Length - Passive Copper Cable
Cable / Stacking Kit	QSFP-100G-AOC3M	100G QSFP AOC - 3m Length - Active Optical Cable
Cable / Stacking Kit	QSFP-H40G-AOC3M	40G QSFP+ AOC - 3m Length - Active Optical Cable

Get Price and Availability for N9K-C93108TC-FX3

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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