

CISCO · NEXUS 9000 SERIES SWITCHES

N9K-C93108TC-FX

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

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



Product Model	N9K-C93108TC-FX
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-FX is a Cisco Nexus 9300-FX Series top-of-rack switch for data center racks whose servers connect over 10GBASE-T copper. The switch has 48 RJ-45 downlinks that each run at 100M, 1G or 10G and six 40/100G QSFP28 uplinks, with 2.16 Tbps of bandwidth and a 40 MB system buffer in a 1RU chassis.

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

Specifications

Product ID	N9K-C93108TC-FX	Form factor	1RU fixed-port data center switch
Ports	48 x 100M/1/10GBASE-T and 6 x 40/100G QSFP28	Downlink supported speeds	100M, 1G and 10G, set per port
Uplink connectivity	Six 40G or 100G ports, or combinations of 1G, 10G, 25G, 40G, 50G and 100G	Bandwidth	2.16 Tbps
Forwarding rate	Over 1.25 bpps	CPU	4 cores
System memory	24 GB	SSD drive	128 GB
System buffer	40 MB	Management ports	2 ports: 1 RJ-45 and 1 SFP+
USB ports	1; USB 2.0 devices drawing less than 2.5 W (under 0.5 A including surge)	RS-232 serial ports	1 console port with RJ-45 interface
Operating modes	Cisco NX-OS mode or Cisco ACI mode	Minimum NX-OS image	NXOS-70317.1
Minimum ACI image	ACI-N9KDK9-12.2A	MACsec	IEEE 802.1AE on ports running at 10G or above
MACsec port-speed limit	Not supported on 1G ports or on any port in a MAC block that contains a 1G port	MACsec license	Security license required
Flow control on MACsec ports	Link-level flow control and PFC not supported	RoCE support	PFC, ETS and DCBX; ECN with marked-packet statistics
Nexus 2000 FEX support (NX-OS mode)	N2K-C2248TP, N2K-C2248TP-E, N2K-C2232TM-E, N2K-C2232PP, N2K-C2332TQ, N2K-C2348TQ, N2K-C2348TQ-E, N2K-C2348UPQ and B22 models from NX-OS 9.2(1)	Maximum number of Cisco N2000 Series Fabric Extenders per switch	16
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
IGMP snooping groups	Shipping 8,000; maximum 32,000	Maximum number of ACL entries	5,000 ingress and 2,000 egress (single-slice forwarding engine)

Maximum number of VLANs	4,096 (127 reserved)	Number of VRF instances	Shipping 1,000; maximum 16,000
Maximum number of ECMP paths	64	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
Number of queues	8	Power supply configuration	2 slots, 1+1 (one operating, one redundant); each slot takes 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 mixing	AC and DC supplies are not mixed; all supplies and fans share one airflow direction	Typical power (AC/DC)	276W
Maximum power (AC/DC)	460W	Heat dissipation	1569.585 BTU per hour
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	500W AC supply	Maximum input current 5.7 A at 100 VAC; 80 Plus Platinum
930W DC supply	Maximum input current 23 A at -48 VDC; above 92% efficiency at 50% load	1200W HVAC/HVDC supply	1230 W maximum output at 200 to 277 VAC or 192 to 400 VDC; 80 Plus Platinum
Fans	4 fan modules: NXA-FAN-30CFM-B (port-side intake, burgundy) or NXA-FAN-30CFM-F (port-side exhaust, blue)	Airflow	Port-side intake or port-side exhaust; N9K-PUV-1200W follows the fan direction
Fan speed	Typical 50% with port-side intake and 70% with port-side exhaust; maximum 100%	Fan rotor redundancy	Two rotors per module; one failed rotor tolerated; more than one triggers a warning and power-down in 2 minutes
Acoustics	64.2 dBA at 40%, 68.9 dBA at 70% and 77.8 dBA at 100% fan speed	Operating temperature	32 to 104°F (0 to 40°C)
Nonoperating temperature	-40 to 158°F (-40 to 70°C)	Relative humidity	5 to 90% operating; 5 to 95% nonoperating
Altitude	0 to 13,123 ft (0 to 4,000 m) operating	Physical dimensions (H x W x D)	1.72 x 17.3 x 22.5 in (4.4 x 43.9 x 57.1 cm)
Weight	17.4 lb (7.9 kg) without power supplies or fans	Power supply weight	2.42 lb (1.1 kg) each
Fan module weight	0.26 lb (0.12 kg) each	Rack-mount kits	NXK-ACC-KIT-1RU (4-post) or N3K-C3064-ACC-KIT
Safety	CAN/CSA-C22.2 No. 60950-1, CAN/CSA-C22.2 No. 62368-1-19, ANSI/UL 60950-1, UL 62368-1, IEC 62368-1, EN 62368-1, AS/NZS 62368-1, 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	RoHS-6, with exceptions for leaded BGA balls and lead press-fit connectors
Regulatory compliance	CE Markings per directives 2004/108/EC and 2006/95/EC	MTBF	319,790 hours

Get Price and Availability for N9K-C93108TC-FX

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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