

CISCO · NEXUS 9000 SERIES SWITCHES

N9K-C9332C

32x40/100G QSFP28 · 2x1/10G SFP+ · 1RU Nexus Spine Switch

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



Product Model	N9K-C9332C
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-C9332C is a Cisco Nexus 9300 1RU fixed spine switch for 40G and 100G data center fabrics that run Cisco ACI or standalone NX-OS. The switch has 32 40/100G QSFP28 ports and 2 1/10G SFP+ ports, with 6.4 Tbps of bandwidth and 4.4 bpps of forwarding, and its airflow runs port-side intake or port-side exhaust.

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

Specifications

Product ID	N9K-C9332C	Product type	Fixed-port data center spine switch
Rack units	1RU	Operating modes	Cisco ACI Spine or Cisco NX-OS
QSFP28 ports	32 x 40/100G	SFP+ ports	2 x 1/10G
Breakout cables	Not supported	MACsec-Capable ports	Ports 25-32 (last 8 ports), wire rate
Management port	1 x 10/100/1000BASE-T and 1 x 1G SFP	RS-232 serial console ports	1
USB port	1 (USB 2.0 devices under 2.5W)	Switching capacity	6.4 Tbps
Forwarding rate	4.4 bpps	Buffer	40 MB
DRAM	16 GB	SSD	128 GB
CPU	Broadwell-DE, 4 cores	Software Licensing	Layer 2 features in the default software; Layer 3 unicast and multicast routing need an additional license
Maximum IPv4 LPM routes	7,000 default; 262,000 LPM heavy	Maximum IPv4 host entries	96,000 default; 262,000 LPM heavy
Maximum IPv6 LPM routes	3,500 default; 131,000 LPM heavy	Maximum IPv6 host entries	96,000 default; 262,000 LPM heavy
Maximum MAC address entries	92,000	Multicast routes	8,000 default; 32,768 LPM heavy
IGMP snooping groups	8,000	ACL entries	4,000 ingress and 2,000 egress per slice; maximum 16,000 ingress and 8,000 egress
VLAN IDs	4,096 (127 reserved)	Maximum VRF instances	1,000
Maximum port channels	64	Maximum links in a port Channel	32
Maximum ECMP paths	64	Maximum ECMP groups	1,024
Active SPAN sessions	4	Maximum RPVST instances	3,967
Maximum HSRP groups	490	Maximum MST instances	64
Maximum VTEPs	256	Number of queues	8

Static NAT entries	1,023	Dynamic NAT entries	1,023
Static twice NAT entries	768	Dynamic twice NAT entries	1,023
Power supply slots	2 (1 operational, 1 redundant)	Power supply selection	Chosen at order: NXA-PAC-750W-PE/PI 750W AC, NXA-PAC-1100W-PE2/PI2 1100W AC, NXA-PDC-1100W-PE/PI 1100W DC or NXA-PHV-1100W-PE/PI 1100W HVAC/HVDC
Supported AC power supplies	NXA-PAC-750W-PE, NXA-PAC-750W-PI, NXA-PAC-1100W-PE2, NXA-PAC-1100W-PI2	Supported DC power supplies	NXA-PDC-1100W-PE, NXA-PDC-1100W-PI
Supported HVAC/HVDC power supplies	NXA-PHV-1100W-PE, NXA-PHV-1100W-PI (data sheet lists HVAC/HVDC support as a roadmap item)	750W AC software requirement	ACI-N9KDK9-14.2 or NXOS-9.3.3 and later
Input voltage	100 to 240V AC; -40V to -72V DC (min-max), -48V to -60V DC (nominal)	100-120V AC input	Maximum output 800W; PSU redundancy not supported
HVAC/HVDC input	100 to 277V AC or 240 to 380V DC	Frequency	50 to 60 Hz (AC)
Efficiency	90% or greater (20 to 100% load)	Typical power consumption	296W (AC)
Maximum power consumption	700W (AC)	Heat dissipation	2415.796 BTU/hr
Optics power requirement	1100W supplies required when optics drawing 5W or more fill all ports	Fan modules	5 hot-swappable modules (4 operational, 1 redundant)
Fan module options	NXA-FAN-35CFM-PE (port-side exhaust), NXA-FAN-35CFM-PI (port-side intake)	Airflow	Port-side intake or port-side exhaust; fans and power supplies must match
Acoustic noise	76.4 dBA at 50% fan speed; 83.3 dBA at 70%; 92.1 dBA at 100%	Physical (H x W x D)	1.7 x 17.3 x 22.9 in. (4.4 x 43.9 x 58.1 cm)
Weight	11.4 kg (25.1 lb) with power supplies and fans; 8.6 kg (19 lb) without	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 90% (noncondensing)
Operating altitude	0 to 13,123 ft (0 to 4000 m)	MTBF	363,500 hours
Safety certifications	UL 60950-1, CAN/CSA-C22.2 No. 60950-1, EN 60950-1, IEC 60950-1, AS/NZS 60950-1, GB4943	EMC: emissions	47CFR Part 15 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
Supported optics	Cisco transceiver device support tables list supported modules and minimum releases	Accessories	N9K-C9300-RMK, N9K-C9300-ACK, N3K-C3064-ACC-KIT

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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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LAYER23-SWITCH