

Overview

N9K-C9364C is the Nexus 9364C ACI Spine switch with 64p 40/100G QSFP28. The Cisco Nexus 9364C ACI Spine Switch is a 2-Rack-Unit (2RU) spine switch for Cisco ACI that supports 12.84 Tbps of bandwidth and 4.3 bpps across 64 fixed 40/100G QSFP28 ports and 2 fixed 1/10G SFP+ ports. Breakout is not supported on ports 1 to 64. The last 16 ports marked in green support wire-rate MACsec encryption.

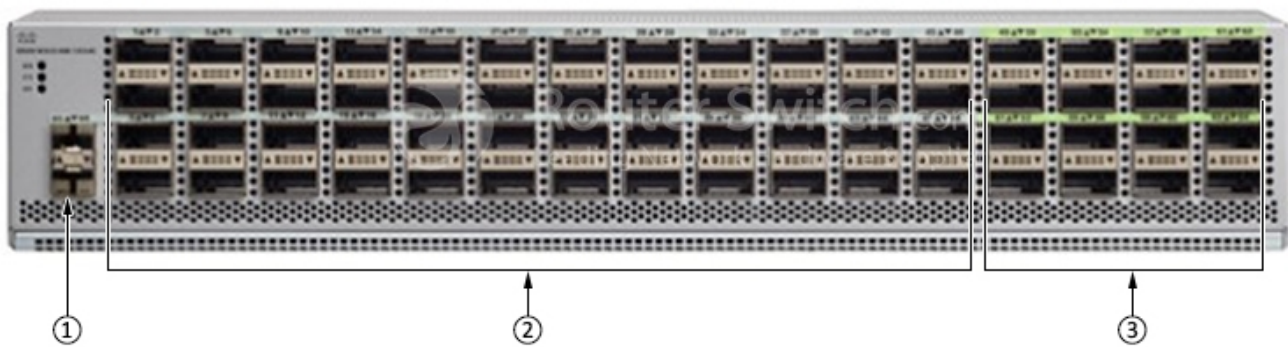
Quick Specs

Table 1 shows the Quick Specs.

Product Code	N9K-C9364C
Physical	<ul style="list-style-type: none">● 64-port 40/100G QSFP28 ports & 2-port 1/10G SFP+ ports● 1200 watt (W) AC power supplies or 930W DC power supplies (up to 2)● Hot-swappable, dual fan trays with redundant fans● System memory: 32GB● SSD: 256GB● USB: 1 port● RS-232 serial console ports: 1● Management ports: 2 (1 x 10/100/1000BASE-T and 1 x 1-Gbps SFP+)● Broadwell-DE CPU: 4 cores
Physical (H x W x D)	3.38 x 17.37 x 22.27 in. (8.59 x 44.13 x 56.58 cm)
Weight (chassis)	36.9lb (16.74kg) with power supplies and fans, 27.4 lb (12.43kg) without power supplies and fans

Product Details

Figure 1 shows the front panel of N9K-C9364C.



Note:

(1) 1-/10-Gigabit SFP+ ports (2)

(2) 40-/100-Gigabit QSFP28 ports (ports 1 to 48 in 4 rows of 12 ports)

(3) Green colored 40-/100-Gigabit QSFP28 ports supporting MACsec (when software support is available) (ports 49 to 64 in 4 rows of 4 ports)

Figure 2 shows the back panel of N9K-C9364C.



Note:

(1) Fan modules (3) with slots numbered from 1 (left) to 3 (right)

(2) USB port (1)

(3) Management port (1—SFP optical port)

(4) Management port (1—RJ-45 copper port)

(5) Power supply modules (1 or 2) (AC power supplies shown) with slots numbered 1 (top) and 2 (bottom)

(6) Console port (1)

The Accessories

Table 2 shows the supported accessories.

Model	Description
N9K-C9300-FAN3	Nexus 9300 Fan 3, Port-side Intake
N9K-C9300-FAN3-B	Nexus 9300 Fan 3, Port-side Exhaust
NXA-FAN-160CFM-PI	Nexus Fan, 160CFM, port side intake airflow
NXA-FAN-160CFM-PE	Nexus Fan, 160CFM, port side exhaust airflow
NXA-FAN-35CFM-PI	Nexus Fan, 35CFM, port side intake airflow
NXA-FAN-35CFM-PE	Nexus Fan, 35CFM, port side exhaust airflow
N9K-PAC-1200W	Nexus 9300 1200W AC PS, Port-side Intake
N9K-PAC-1200W-B	Nexus 9300 1200W AC PS, Port-side Exhaust
NXA-PAC-1100W-PE2	Nexus 1100W AC PS, Port-side Exhaust
NXA-PAC-1100W-PI2	Nexus 1100W AC PS, Port-side Intake
NXA-PAC-1200W-PE	Nexus 1200W AC PS, Port-side Exhaust
NXA-PAC-1200W-PI	Nexus 1200W AC PS, Port-side Intake
N9K-PUV-1200W	Nexus 1200W, 200-277AC,240-380DC, Dual airflow PSU
UCS-PSU-6332-DC	930W -48V DC PS, Port-side Exhaust
UCSC-PSU-930WDC	930W -48V DC PS, Port-side Intake
NXA-PDC-930W-PE	Nexus 930W -48V DC PS, Port-side Exhaust
NXA-PDC-930W-PI	Nexus 930W -48V DC PS, Port-side Intake

Compare to Similar Items

Table 3 shows the comparison.

Product Code	N9K-C9364C	N9K-C9332C
Physical	<ul style="list-style-type: none">● 64-port 40/100G QSFP28 ports & 2-port 1/10G SFP+ ports● 1200 watt (W) AC power supplies or 930W DC power supplies (up to 2)● Hot-swappable, dual fan trays with redundant fans● System memory: 32GB● SSD: 256GB● USB: 1 port● RS-232 serial console ports: 1● Management ports: 2 (1 x 10/100/1000BASE-T and 1 x 1-Gbps SFP+)● Broadwell-DE CPU: 4 cores	<ul style="list-style-type: none">● 32-port 40/100G QSFP28 ports & 2-port 1/10G SFP+ ports● 1100 watt (W) AC, DC or HVAC/HVDC power supplies (up to 2)● Hot-swappable, 5 fans with redundancy● System memory: 16 GB● SSD: 256GB● USB: 1 port● RS-232 serial console ports: 1● Management ports: 2 (1 x 10/100/1000BASE-T and 1 x 1-Gbps SFP+)● Broadwell-DE CPU: 4 cores
Physical (H x W x D)	3.38 x 17.37 x 22.27 in. (8.59 x 44.13 x 56.58 cm)	1.7 x 17.3 x 22.9 in. (4.4 x 43.9 x 58.1 cm)
Weight (chassis)	36.9lb (16.74kg) with power supplies and fans, 27.4 lb (12.43kg) without power supplies and fans	25.1lb (11.4kg) with power supplies and fans, 19 lb (8.6kg) without power supplies and fans

Get More Information

Do you have any question about the Cisco N9K-C9364C?

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Specification

N9K-C9364C Specification	
Physical	<ul style="list-style-type: none">● 64-port 40/100G QSFP28 ports & 2-port 1/10G SFP+ ports● 1200 watt (W) AC power supplies or 930W DC power supplies (up to 2)● Hot-swappable, dual fan trays with redundant fans● System memory: 32GB● SSD: 256GB● USB: 1 port● RS-232 serial console ports: 1● Management ports: 2 (1 x 10/100/1000BASE-T and 1 x 1-Gbps SFP+)● Broadwell-DE CPU: 4 cores
Power and Cooling	<ul style="list-style-type: none">● Power: 1200W AC, 930W DC or 1200W HVAC/HVDC● Input voltage: 100 to 240V* AC or -40V to -72V DC (min-max), -48V to -60V DC (nominal) <p>*Supports input voltage of 100-120V for a max output of 800W; 200-240V for a max output of 1200W; PSU redundancy is not supported when used in 100-120V</p> <ul style="list-style-type: none">● Frequency: 50 to 60 Hz (AC)● Efficiency: 90% or greater (20 to 100% load)● RoHS compliance: Yes● Hot swappable: Yes● Port-side intake or port-side exhale options● Typical power: 429W (AC)● Maximum power: 1245W (AC)
Environmental	<ul style="list-style-type: none">● Physical (H x W x D): 3.38 x 17.37 x 22.27 in. (8.59 x 44.13 x 56.58 cm)● Weight: 36.9lb (16.74kg) with power supplies and fans, 27.4 lb (12.43kg) without power supplies and fans● Operating temperature: 32 to 104°F (0 to 40°C)● Nonoperating (storage) temperature: -40 to 158°F (-40 to 70°C)● Humidity: 5 to 85% (noncondensing)● Altitude: 0 to 13,123 ft (0 to 4000m)
Acoustics	<ul style="list-style-type: none">● Fan speed at 40%: 76.7 dBA● Fan speed at 70%: 88.7 dBA● Fan speed at 100%: 97.4 dBA
MTBF	<ul style="list-style-type: none">● 257,860 hours

Regulatory compliance	Products should comply with CE Markings according to directives 2004/108/EC and 2006/95/EC
Safety	<ul style="list-style-type: none"> ● 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	<ul style="list-style-type: none"> ● 47CFR Part 15 (CFR 47) 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	<ul style="list-style-type: none"> ● EN55024 ● CISPR24 ● EN300386 ● KN 61000-4 series
RoHS	The product is RoHS-6 compliant with exceptions for leaded-Ball Grid-Array (BGA) balls and lead press-fit connectors

Download Resource

Support and Resources

 [Cisco Nexus 9300 ACI Fixed Spine Switches Datasheet](#)

Transition Guide

 [Select and Upgrade Cisco Data Center Switch](#)

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