

# N9K-C9332C Datasheet

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## Overview

N9K-C9332C is the Nexus 9332C ACI Spine switch with 32p 40/100G QSFP28, 2p 1/10G SFP. The Cisco Nexus 9332C is the smallest form-factor 1-Rack-Unit (1RU) spine switch for Cisco ACI that supports 6.4 Tbps of bandwidth and 2.3 bpps across 32 fixed 40/100G QSFP28 ports and 2 fixed 1/10G SFP+ ports. Breakout is not supported on ports 1 to 32. The last 8 ports marked in green support wire-rate MACsec encryption.

## Quick Specs

Table 1 shows the Quick Specs.

Product Code	N9K-C9332C
Physical	<ul style="list-style-type: none"><li>32-port 40/100G QSFP28 ports &amp; 2-port 1/10G SFP+ ports</li><li>1100 watt (W) AC, DC or HVAC/HVDC power supplies (up to 2)</li><li>Hot-swappable, 5 fans with redundancy</li><li>System memory: 16 GB</li><li>SSD: 256GB</li><li>USB: 1 port</li><li>RS-232 serial console ports: 1</li><li>Management ports: 2 (1 x 10/100/1000BASE-T and 1 x 1-Gbps SFP+)</li><li>Broadwell-DE CPU: 4 cores</li></ul>
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 (chassis)	25.1lb (11.4kg) with power supplies and fans, 19 lb (8.6kg) without power supplies and fans

## 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-C9336PQ	N9K-C9332C
Physical	<ul style="list-style-type: none"><li>• 36-port 40G QSFP ports</li><li>• 1200 watt (W) AC power supplies or 930W DC power supplies (up to 2)</li><li>• 80 Plus Platinum-rated power supplies that provide at least 90% efficiency with 20% utilization</li><li>• Hot-swappable, dual fan trays with redundant fans</li><li>• Port-side intake or Port side exhaust airflow direction</li><li>• System memory: 16GB</li><li>• SSD: 64GB</li><li>• USB: 2 ports</li><li>• RS-232 serial console ports: 1</li><li>• Management ports: 1 x 10/100/1000BASE-T</li></ul>	<ul style="list-style-type: none"><li>• 32-port 40/100G QSFP28 ports &amp; 2-port 1/10G SFP+ ports</li><li>• 1100 watt (W) AC, DC or HVAC/HVDC power supplies (up to 2)</li><li>• Hot-swappable, 5 fans with redundancy</li><li>• System memory: 16 GB</li><li>• SSD: 256GB</li><li>• USB: 1 port</li><li>• RS-232 serial console ports: 1</li><li>• Management ports: 2 (1 x 10/100/1000BASE-T and 1 x 1-Gbps SFP+)</li><li>• Broadwell-DE CPU: 4 cores</li></ul>
Physical (H x W x D)	3.5 x 17.5 x 22.5 in. (8.9 x 44.5 x 57.1 cm)	1.7 x 17.3 x 22.9 in. (4.4 x 43.9 x 58.1 cm)
Weight (chassis)	34.4 lb	25.1lb (11.4kg) with power supplies and fans, 19 lb (8.6kg) without power supplies and fans

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Specification

N9K-C9332C Specification	
Physical	<ul style="list-style-type: none"><li>• 32-port 40/100G QSFP28 ports &amp; 2-port 1/10G SFP+ ports</li><li>• 1100 watt (W) AC, DC or HVAC/HVDC power supplies (up to 2)</li><li>• Hot-swappable, 5 fans with redundancy</li><li>• System memory: 16 GB</li><li>• SSD: 256GB</li><li>• USB: 1 port</li><li>• RS-232 serial console ports: 1</li><li>• Management ports: 2 (1 x 10/100/1000BASE-T and 1 x 1-Gbps SFP+)</li><li>• Broadwell-DE CPU: 4 cores</li></ul>
Power and Cooling	<ul style="list-style-type: none"><li>• Power: 1100W AC, 1100 DC or 1100W HVAC/HVDC</li><li>• Input voltage: 100 to 240V* AC or -40V to -72V DC (min-max), -48V to -60V DC (nominal)</li><li>*Supports input voltage of 100-120V for a max output of 800W; 200-240V for a max output of 1200W</li><li>• Frequency: 50 to 60 Hz (AC)</li><li>• Efficiency: 90% or greater (20 to 100% load)</li><li>• RoHS compliance: Yes</li><li>• Hot swappable: Yes</li><li>• Port-side intake or port-side exhale options</li><li>• Typical power: 296W (AC)</li><li>• Maximum power: 700W (AC)</li></ul>
Environmental	<ul style="list-style-type: none"><li>• Physical (H x W x D): 1.7 x 17.3 x 22.9 in. (4.4 x 43.9 x 58.1 cm)</li><li>• Weight: 25.1lb (11.4kg) with power supplies and fans, 19 lb (8.6kg) without power supplies and fans</li><li>• Operating temperature: 32 to 104°F (0 to 40°C)</li><li>• Nonoperating (storage) temperature: -40 to 158°F (-40 to 70°C)</li><li>• Humidity: 5 to 85% (noncondensing)</li><li>• Altitude: 0 to 13,123 ft (0 to 4000m)</li></ul>

<b>Acoustics</b>	<ul style="list-style-type: none"><li>• Fan speed at 50%: 76.4 dBA</li><li>• Fan speed at 70%: 83.3 dBA</li><li>• Fan speed at 100%: 92.1 dBA</li></ul>
<b>MTBF</b>	<ul style="list-style-type: none"><li>• 363,500 hours</li></ul>

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### Transition Guide

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