

# N9K-C9332PQ Datasheet

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## Overview

N9K-C9332PQ is the Nexus 9300 with 32p 40G QSFP. The Cisco Nexus 9300 platform consists of fixed-port switches designed for top-of-rack (ToR) and middle-of-row (MoR) deployment in data centers that support enterprise applications, service provider hosting, and cloud computing environments. They are Layer 2 and 3 nonblocking 10 and 40 Gigabit Ethernet switches with up to 2.56 terabits per second (Tbps) of internal bandwidth.

## Quick Specs

Table 1 shows the Quick Specs.

<b>Product Code</b>	<b>N9K-C9332PQ</b>
<b>Ports</b>	32 QSFP+ ports
<b>Supported speeds</b>	40 Gigabit Ethernet speeds
<b>Physical (H x W x D)</b>	1.72 x 17.3 x 22.5 in. (4.4 x 43.9 x 57.1 cm)
<b>Weight</b>	22 lb (10.0 kg) (without power supplies or fans)

## Product Details

Table 2 shows Cisco Nexus 9300 Platform Switch Features.

<b>Feature</b>	<b>Benefit</b>
<b>Predictable high performance</b>	Latency of 1 to 2 microseconds with up to 1.28 Tbps of bandwidth enables customers to build a robust switch fabric scaling from as few as 200 10-Gbps server ports to more than 200,000 10-Gbps server ports.
<b>Increased integrated buffer space</b>	Up to a total of 50 MB of integrated shared buffer space allows better management of speed mismatch between access and uplink ports.
<b>Designed for availability</b>	Hot-swappable, redundant power supplies and fan trays increase availability.
<b>Flexible airflow configuration</b>	Port-side intake and port-side exhaust airflow configurations are both supported.
<b>CPU, SSD, and memory</b>	Dual-core 2.5-GHz x86 CPUs with 64-GB SSD drive and 16 GB of memory provide enhanced network performance.
<b>Power efficiency</b>	All Cisco Nexus 9000 Series power supplies are 80 Plus Platinum rated.
<b>Advanced optics</b>	Cisco offers a pluggable 40 Gigabit Ethernet QSFP+ transceiver that enables customers to use existing 10 Gigabit Ethernet data center cabling to support 40 Gigabit Ethernet connectivity. This technology facilitates adoption of 40 Gigabit Ethernet with no cable infrastructure upgrade cost.

## The Accessories

Table 3 shows the supported accessories.

<b>Model</b>	<b>Description</b>
<a href="#">N9K-M6PQ-E</a>	Uplink Module for Nexus 9300, 6p 40G QSFP
<a href="#">N9K-M6PQ</a>	Uplink Module for Nexus 9300, 6p 40G QSFP
<a href="#">N9K-M12PQ</a>	Uplink Module for Nexus 9300, 12p 40G QSFP

<a href="#">N9K-M4PC-CFP2</a>	Uplink Module for Nexus 9300, 4p 100G
<a href="#">UCSC-PSU-930WDC</a>	Nexus 9000 930W DC PS, Port-side Intake
<a href="#">UCS-PSU-6332-DC</a>	Nexus 9000 930W DC PS, Port-side Exhaust
<a href="#">N9K-PUV-1200W</a>	Nexus 9300 1200W Universal Power Supply, Bi-directional air flow and Supports AC/HVDC
<a href="#">N9K-C9300-FAN2</a>	Nexus 93128 & 9396 Fan 2, Port-side Intake
<a href="#">N9K-C9300-FAN2-B</a>	Nexus 93128 & 9396 Fan 2, Port-side Exhaust
<a href="#">NXA-FAN-30CFM-F</a>	Nexus 2K/3K/9K Single Fan for 1RU switch, port side exhaust airflow
<a href="#">NXA-FAN-30CFM-B</a>	Nexus 2K/3K/9K Single Fan for 1RU switch, port side intake airflow
<a href="#">N93-LAN1K9=</a>	Enhanced L3 including full OSPF, EIGRP, BGP for Nexus 9200/9300 Platform

## Compare to Similar Items

Table 4 shows the comparison.

Product Code	<b>N9K-C9332PQ</b>	<b>N9K-C93128TX</b>
Ports	32 QSFP+ ports	96 fixed 1/10GBASE-T ports
Supported speeds	40 Gigabit Ethernet speeds	100 Megabit Ethernet and 1/10 Gigabit Ethernet speeds
Physical (H x W x D)	1.72 x 17.3 x 22.5 in. (4.4 x 43.9 x 57.1 cm)	5.3 x 17.5 x 22.5 in. (13.3 x 44.5 x 57.1 cm)
Weight	22 lb (10.0 kg) (without power supplies or fans)	32.56 lb (14.8 kg) (without power supplies, fans, or uplink module)

## Get More Information

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## Specification

<b>N9K-C9332PQ Specification</b>	
Ports	32 QSFP+ ports
Supported speeds	40 Gigabit Ethernet speeds
Power supplies (up to 2)	650-watt (W) AC, 930W DC, or 1200W HVAC/HVDC
Typical power (AC)	228W
Maximum power (AC)	508W
Input voltage (AC)	100 to 240V
Input voltage (HVAC)	200 to 277V
Input voltage (DC)	-40V to -72V DC (min-max) -48V to -60V DC (nominal)
Input voltage (HVDC)	-240 to -380V
Frequency (AC)	50 to 60 Hz

<b>Fans</b>	4
<b>Physical (H x W x D)</b>	1.72 x 17.3 x 22.5 in. (4.4 x 43.9 x 57.1 cm)
<b>Acoustics</b>	49.1 dBA at 40% fan speed, 65.6 dBA at 70% fan speed, and 78.5 dB at 100% fan speed
<b>RoHS compliance</b>	Yes
<b>Weight</b>	22 lb (10.0 kg) (without power supplies or fans)

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 [Cisco Nexus 9300 Switches Datasheet](#)

### Transition Guide

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

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