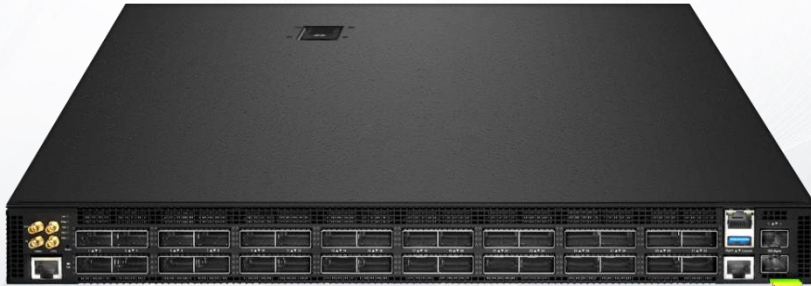


# N9500-32D Switch

400G DATA CENTER SPINE SWITCH BARE-METAL HARDWARE



## Overview

FS N9500-32D is a spine switch for high-performance data centers. The switch provides line-rate L2 and L3 switching across the 32x QSFP-DD ports, each supporting 1x 400G or 1x 100G, or via breakout cables 4x 100G or 4x 25G.

The N9500-32D can be deployed as a spine switch supporting 100/400G spine interconnects. This open network switch is loaded with the Open Network Install Environment (ONIE), which supports the installation of compatible Network Operating System software, including the open source options Open Network Linux, plus commercial NOS offerings.

## Benefits

- Open Network Install Environment (ONIE)
- Broadcom Tomahawk III Switch Chip
- Intel Xeon D-1518 CPU
- Hot-swappable, Load-sharing, Redundant PSUs
- 5+1 Redundant, Hot-swappable Fans
- 1RU Form Factor
- Low-latency, Zero Packet Loss with PFC/ECN

## Technical Specification

N9500-32D switch comes with advanced hardware architecture design. Here's a look at the details.

### CHARACTERISTICS

	N9500-32D
<b>Port</b>	
400G QSFP-DD Ports	32
RJ-45 Serial Console Port	1
100/1000BASE-T RJ-45 Management Port	1
10G SFP+ Management Port	1
USB Port	1
Timing Ports	10 MHz, 1PPS, ToD
<b>Operating System</b>	
OS	ONIE
<b>Key Components</b>	
Switch Chip	BCM56980 Tomahawk III
CPU	Intel Xeon D-1518 quad-core 2.2GHz
<b>Performance</b>	
Layer Type	Layer 3
Switching Capability	12.8 Tbps Full Duplex
Forwarding Rate	19 Bpps
Packet Buffer	64MB
DDR4	8GB x2 SO-DIMM
SPI Flash	128MB x2
mSATA	32GB x1

## CHARACTERISTICS

### N9500-32D

#### Performance

<b>MAC Address</b>	8K
	IPv4 UC: 16K
	IPv4 MC: 8K
<b>L3 Host</b>	IPv6 UC: 8K
	IPv6 MC: 4K

#### Power

<b>Input Voltage</b>	90-240VAC, 50-60 Hz
<b>Power Consumption</b>	1300W

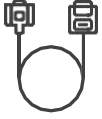
#### Environment

<b>Operating temperature</b>	0°C ~ 45°C (32°F ~ 113°F)
<b>Operating humidity</b>	5% ~ 95% non-condensing

#### Physical and Environmental

<b>Fans</b>	Hot-swappable 5 + 1 Redundant Fans
<b>PSUs</b>	2 Redundant, Load-sharing, Hot-swappable AC
<b>Dimensions (HxWxD)</b>	1.69" x 17.25" x 21.1" (43.1 x 438.4 x 536 mm)
<b>Weight</b>	24.38 lb (11.06 kg)
<b>Airflow</b>	Front-to-Back

## Accessories



Console Cable \*1



Power Cord \*2



Rack Mounting Kit \*1



Quick Start Guide \*1

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## Get started today

Getting started with FS N9500-32D switch is easy. In fact, you can explore and test without spending too much time. Try FS N9500-32D switch, bringing the scalability and agility to the network edge while also lowering total cost of ownership.



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