FS

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
Port	
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
Operating System	
OS	ONIE
Key Components	
Switch Chip	BCM56980 Tomahawk III
CPU	Intel Xeon D-1518 quad-core 2.2 GHz
Performance	
Layer Type	Layer 3
Switching Capability	25.6 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	
MAC Address	8K
L3 Host	IPv4 UC: 16K
	IPv4 MC: 8K
	IPv6 UC: 8K
	IPv6 MC: 4K
Power	
Input Voltage	90-240VAC, 50-60 Hz
Power Consumption	1300W
Environment	
Operating temperature	0°C ~ 45°C (32°F ~ 113°F)
Operating humidity	5% ~ 95% non-condensing
Physical and Environmental	
Fans	Hot-swappable 5 + 1 Redundant Fans
PSUs	2 Redundant, Load-sharing, Hot-swappable AC
Dimensions (HxWxD)	1.69'' x 17.25'' x 21.1'' (43.1 x 438.4 x 536 mm)
Weight	24.38 lb (11.06 kg)
Airflow	Front-to-Back

FS

Accessories
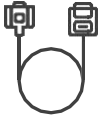
Console Cable *1

Power Cord *2

Rack Mounting Kit *1

Quick Start Guide *1

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.

United Kingdom
Russia
Germany
United States
China
Singapore
Australia

🔒 https://www.fs.com ☆

The information in this document is subject to change without notice. FS has made all efforts to ensure the accuracy of the information, but all information in this document does not constitute any kind of warranty.