N9K-C9348GC-FXP Datasheet

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Overview

The Cisco N9K-C9348GC-FXP Switch is a 1RU switch with latency of less than 1 microsecond that supports 3.6 Tbps of bandwidth and 1.2 bpps. The 48 downlink ports on the 93180YC-FX are capable of supporting 1-, 10-, or 25-Gbps Ethernet or as 16-, 32-Gbps Fibre Channel ports, creating a point of convergence for primary storage, compute servers, and back-end storage resources at the top of rack.

Quick Specs

Table 1 shows the Specs.

SKU	N9K-C9348GC-FXP
Ports	48 x 1-GBASE-T ports, 4 x 1/10/25-Gbps SFP28 ports and 2 x 40/100 QSFP28 ports
Downlink supported speeds	100-Mbps and 1-Gbps speeds
CPU	4 cores
System memory	24 GB
SSD drive	128 GB
System buffer	40 MB
Management ports	2 ports: 1 RJ-45 and 1 SFP+
USB ports	1
RS-232 serial ports	1

Product Details

Cisco N9K-C9348GC-FXP provides the following features:

(1)Architectural Flexibility

(2)Architectural Flexibility

(3)High Scalability, Flexibility, and Security

(4)Intelligent Buffer Management

(5)RDME over Converged Ethernet – RoCE Support

(6)LAN and SAN Convergence

(7)Hardware and Software High Availability

(8)Purpose-Built Cisco NX-OS Software Operating System with Comprehensive, Proven Innovations

(9)Cisco Tetration Analytics Platform Support

(10)Cisco Network Assurance Engine (NAE)

Compare to Similar Items

Table 2 shows the comparison.

Product Name	N9K-C9348GC-FXP	N9K-C93180YC-FX	N9K-C93108TC-FX
Ports	48 x 1-GBASE-T ports, 4 x 1/10/25-Gbps SFP28 ports and 2 x 40/100 QSFP28 ports	48 x 1/10/25-Gbps and 6 x 40/100-Gbps QSFP28 ports	48 x 100M/1/10GBASE-T and 6 x 40/100-Gbps QSFP28 ports
CPU	4 cores	6 cores	4 cores
System memory	24 GB	Up to 32 GB	24 GB

SSD drive	128 GB	128 GB	128 GB
System buffer	40 MB	40 MB	40 MB
USB ports	1	1	1
RS-232 serial ports	1	1	1

Get More Information

Do you have any question about the N9K-C9348GC-FXP?

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Specification

N9K-C9348GC-FXP Specification	
Hardware performance and scalability	
Ports	48 x 1-GBASE-T ports, 4 x 1/10/25-Gbps SFP28 ports and 2 x 40/100 QSFP28 ports
Downlink supported speeds	100-Mbps and 1-Gbps speeds
CPU	4 cores
System memory	24 GB
SSD drive	128 GB
System buffer	40 MB
Management ports	2 ports: 1 RJ-45 and 1 SFP+
USB ports	1
RS-232 serial ports	1
Power supplies (up to 2)	350W AC, 440W DC
Typical power (AC/DC)	178W
Maximum power (AC/DC)	287W
Input voltage (AC)	100 to 240V
Input voltage (High-Voltage AC [HVAC])	90 to 305V
Input voltage (DC)	-36V to -72V
Input voltage (High-Voltage DC [HVDC])	192 to 400V
Frequency (AC)	50 to 60 Hz
Fans	3
Airflow	Port-side intake and exhaust
Physical dimensions (H x W x D)	1.72 x 17.3 x 19.7 in. (4.4 x 43.9 x 49.9 cm)
Acoustics	67.5 dBA at 50% fan speed, 73.2 dBA at 70% fan speed, and 81.6 dBA at 100% fan speed
RoHS compliance	Yes

MTBF	257,860 hours
Environmental properties	
Operating temperature	32 to 104°F (0 to 40°C)
Nonoperating (storage) temperature	−40 to 158°F (−40 to 70°C)
Humidity	5 to 95% (noncondensing)
Altitude	0 to 13,123 ft (0 to 4000m)

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