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Overview

Cisco Nexus 9300-FX2 series is an extension of Nexus 9300-FX series switches with higher bandwidth capacity. The switches offer a variety of interface options to transparently migrate existing data centers from 1-Gbps, and 10-Gbps speeds to 25- Gbps at the server, and from 10- and 40-Gbps speeds to 50- and 100- Gbps at the aggregation layer. The platforms provide investment protection for customers, delivering large buffers, highly flexible Layer 2 and Layer 3 scalability, and performance to meet the changing needs of virtualized data centers and automated cloud environments.

Quick Specs

Table 1 shows the Quick Specs.

Product Code	N9K-C93240YC-FX2
Ports	48 x 1/10/25-Gbps and 12 x 40/100-Gbps QSFP28 ports
Supported speeds	1/10/25-Gbps on downlinks 40/100-Gbps on uplinks
CPU	4 cores
System memory	Upto 24 GB
SSD drive	128 GB
System buffer	40 MB

Product Details

Table 2 shows Cisco Nexus 9300-FX2 series Platform Switch Features.

- Architectural Flexibility
- Extensive Programmability
- High Scalability, flexibility, and security
- Intelligent Buffer Management
- RDME over Converged Ethernet – RoCE support
- LAN and SAN Convergence
- Hardware and software high availability
- Purpose-built Cisco NX-OS Software operating system with comprehensive, proven innovations
- Cisco Tetration Analytics platform support
- Cisco Network Assurance Engine (NAE)

Compare to Similar Items

Table 2 shows the comparison.

Models	N9K-C9336C-FX2	N9K-C9336C-FX2-E	N9K-C93240YC-FX2	N9K-C93360YC-FX2	N9K-C93216TC-FX2=
Ports	36 x 40/100-Gbps QSFP28 ports	36 x 40/100-Gbps QSFP28 ports	48 x 1/10/25-Gbps and 12 x 40/100-Gbps QSFP28 ports	96 x 1/10/25-Gbps and 12 x 40/100-Gbps QSFP28 ports	96 x 100M/1/10GBASE-T ports and 12 x 40/100-Gbps QSFP28 ports

Supported speeds	1/10/25/40/100-Gbps Ethernet Breakout supported on all ports, 1-36: 100G, 2x50G NRZ, 40G native, 4x10/25G (10G w/QSA) 1G w/QSA except ports 1-6 and 33-36	1/10/25/40/100-Gbps Ethernet Breakout supported on all ports, 1-36: 100G, 2x50G NRZ, 40G native, 4x10/25G (10G w/QSA) 1G w/QSA except ports 1-6 and 33-36 16/32-Gbps Fibre Channel	1/10/25-Gbps on downlinks 40/100-Gbps on uplinks	1/10/25-Gbps on downlinks 40/100-Gbps on uplinks Breakout supported ports, 97-108: 4x10/25G	100M/1/10 Gbps RJ45 downlinks 40/100-Gbps on uplinks Breakout supported ports, 97-108: 4x10/25G
CPU	4 cores	4 cores	4 cores	4 cores	4 cores
System memory	24 GB	24 GB	Up to 24 GB	Up to 24 GB	Up to 24 GB
SSD drive	128 GB	128 GB	128 GB	128 GB	128 GB
System buffer	40 MB	40 MB	40 MB	40 MB	40 MB
Power supplies (up to 2)	750W AC*, 1100W AC, 1100W DC, 1100W HVAC/HVDC	750W AC, 1100W AC, 1100W DC, 1100W HVAC/HVDC**	750W AC*, 1100W AC, 1100W DC, 1100W HVAC/HVDC	1200W AC, 1200W HVAC/HVDC	1200W AC, 1200W HVAC/HVDC
Typical power (AC)	337W	337W	298W	404W	580W
Maximum power (AC)	719W	705W	708W	900W	965W
Fans	3 dual fan trays	6	5	3 fan trays	3 fan trays
Physical dimensions (H x W x D)	1.72 x 17.3 x 24.5 in. (4.4 x 43.9 x 62.3 cm)	1.72 x 17.3 x 24.7 in. (4.4 x 43.9 x 62.7 cm)	2.1 x 17.3 x 23.3 in. (5.3 x 43.9 x 59.1 cm)	3.38 x 17.41 x 24.14 in. (8.59 x 44.23 x 61.31 cm)	3.38 x 17.41 x 23.6 in. (8.59 x 44.2 x 59.9 cm)

Get More Information

Do you have any question about the **N9K-C93240YC-FX2** ?

Contact us now via [Live Chat](#) or sales@router-switch.com.

Specification

N9K-C93240YC-FX2 Specification	
Item	Cisco Nexus 9300-FX2 Series Switches
Feature	Cisco Nexus 93240YC-FX2
Ports	48 x 1/10/25-Gbps and 12 x 40/100-Gbps QSFP28 ports
Supported speeds	1/10/25-Gbps on downlinks 40/100-Gbps on uplinks
CPU	4 cores
System memory	Up to 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)	750W AC*, 1100W AC, 1100W DC, 1100W HVAC/HVDC
Typical power (AC)	298W
Maximum power (AC)	708W
Input voltage (AC)	100 to 240V
Input voltage (High-Voltage AC [HVAC])	100 to 277V
Input voltage (DC)	-40 to -72V
Input voltage (High-Voltage DC [HVDC])	-240 to -380V
Frequency (AC)	50 to 60 Hz
Fans	5
Airflow	Port-side intake and exhaust
Physical dimensions (H x W x D)	2.1 x 17.3 x 23.3 in. (5.3 x 43.9 x 59.1 cm)
MTBF	365,610 hours
Maximum number of Longest Prefix Match (LPM) routes**	896,000
Maximum number of IP host entries**	896,000
Maximum number of MAC address entries**	256,000
Maximum number of multicast routes	128,000
Number of Interior Gateway Management Protocol (IGMP) snooping groups	Shipping: 8,000 Maximum: 32,000
Maximum number of Cisco Nexus 2000 Series Fabric Extenders per switch	16
Maximum number of Access Control List (ACL) entries	Per slice of the forwarding engine: 5000 ingress 2000 egress
Maximum number of VLANs	4096
Number of Virtual Routing and Forwarding (VRF) instances	Shipping: 1,000 Maximum: 16,000
Maximum number of ECMP paths	64
Maximum number of port channels	512
Maximum number of links in a port channel	32
Number of active SPAN sessions	4
Maximum number of VLAN's in Rapid per-VLAN Spanning Tree (RPVST) instances	3,967
Maximum number of Hot-Standby Router Protocol (HSRP) groups	490
Number of Network Address Translation (NAT) entries	1,023
Maximum number of Multiple Spanning Tree (MST) instances	64
Flow-table size used for Cisco Tetration Analytics platform	64,000
Number of Queues	8

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