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Overview

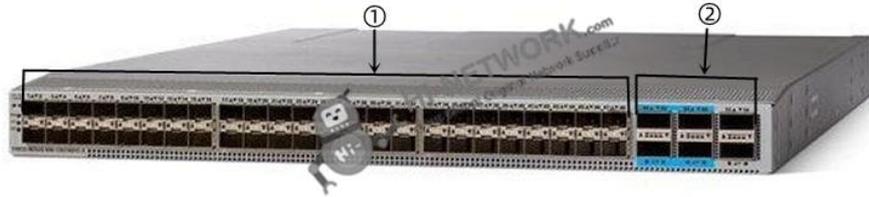
N9K-C92160YC-X is one of the Cisco Nexus 9200 switches. 92160YC-X Switch is optimized for Cisco NX-OS deployments. It provides 48 1/10/25-Gb host ports and up to six hybrid uplink ports that can be configured as 10, 25, 40, or 100-Gb ports. With 3.2 Tbps of switching capacity, the 92160YC-X delivers line-rate Layer 2 and 3 features for demanding enterprise, service provider hosting, and cloud computing environments.

Quick Specification

Product Code	N9K-C92160YC-X
Ports	48 x 10- and 25-Gbps SFP+ and 6 QSFP+ ports (4 are 100-Gbps capable)
Supported speeds	1, 10, and 25 Gbps on SFP+ ports 10, 25, 40, and 100 Gbps on QSFP+ ports
Port configuration	48 x 10/25-Gbps ports for downlinks; 4 of the 6 uplink ports are 100-Gbps capable. Ports 50 and 52 can be individually configured into 1 x 100 Gbps, 4 x 10 Gbps, 4 x 25 Gbps, 1 x 40 Gbps, or 2 x 50 Gbps
CPU	2 cores
System memory	16G
SSD drive	24G
Shared system buffer	20MB
Management ports	2 ports: 1 RJ-45 and 1SFP
USB ports	1
RS-232 serial ports	1
Power supplies (up to 2)	650W AC, 930W DC, or 1200W AC/HVDC
Physical dimensions(H x W x D)	1.72 x 17.3 x 22.5 in. (4.4 x 43.9 x 57.1 cm)
Weight (without power supplies or fans)	14.12 lb (6.4 kg)

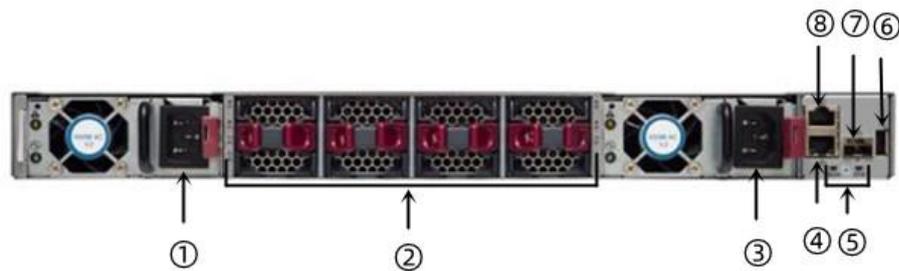
Product Details:

The Front Panel:



①	10-Gigabit SFP+ downlink ports (48) supporting 1-, 10-, and 25-Gigabit Ethernet
②	100-Gigabit QSFP28 uplink ports (6) supporting 40- and 100-Gigabit Ethernet

The Front Panel:



①	Power Supply
②	4 x Fan Module
③	Power Supply
④	Out-of-band management port (RJ-45 port)
⑤	Chassis LEDs (Beacon [BCN] and Status [STS])
⑥	USB port used for saving or copying functions
⑦	Out-of-band management port (SFP port)
⑧	Console port (RS232 port)

The Accessories

Compare to Similar Items

Models	N9K-C93180YC-EX	N9K-C92160YC-X
Ports	48 x 10/25-Gbps and 6 x 40/100-Gbps QSFP28 ports	48 x 10- and 25-Gbps SFP+ and 6 QSFP+ ports (4 are 100-Gbps capable)
CPU	4 cores	2 cores
System memory	24 GB	16 G
SSD drive	64 GB	24 GB

Get more information:

Do you have any question about the N9K-C92160YC-X?

Contact us now via e-mail: info@hi-network.com

Specific Data Sheet:

Ports	48 x 10- and 25-Gbps SFP+ and 6 QSFP+ ports (4 are 100-Gbps capable)
Supported speeds	1, 10, and 25 Gbps on SFP+ ports 10, 25, 40, and 100 Gbps on QSFP+ ports
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CPU	2 cores
System memory	16G
SSD drive	24G
Shared system buffer	20MB
Management ports	2 ports: 1 RJ-45 and 1SFP
USB ports	1
RS-232 serial ports	1
Power supplies (up to 2)	650W AC, 930W DC, or 1200W AC/HVDC
Typical power (AC)	10-Gbps mode: 150W 25-Gbps mode: 170W
Maximum power (AC)	475W
Input voltage (AC)	100 to 240V
Input voltage (HVAC)	200 to 277V
Input voltage (DC)	-40 to -72V DC (minimum and maximum) -48 to -60V DC (nominal)
Input voltage (HVDC)	240 to 380V

N9K-C92160YC-X Datasheet



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Frequency (AC)	50 to 60 Hz
Fans	4
Airflow	Port-side intake and exhaust
MTBF (hours)	379,400
Physical (H x W x D)	1.72 x 17.3 x 22.5 in. (4.4 x 43.9 x 57.1 cm)
Acoustics	51.9 dBA at 40% fan speed, 56.2 dBA at 70% fan speed, and 66.0 dB at 100% fan speed
RoHS compliance	Yes
Number of longest prefix match (LPM) routes	Default: 6,000 LPM heavy mode: 650,000
Number of IP host entries	Default: 96,000 LPM heavy mode: 650,000
Number of MAC address entries	92,000
Number of multicast routes	Shipping: 8,000 Maximum: 32,000
Number of Interior Gateway Management Protocol (IGMP) snooping groups	Shipping: 8,000 Maximum: 32,000
Number of access control list (ACL) entries	Per slice of the forwarding engine: 4,000 ingress 2,000 egress Maximum: 8,000 ingress 4,000 egress Shipping: 7,164 ingress 3,580 egress
Maximum number of VLANs	3,967
Number of Virtual Routing and Forwarding (VRF) instances	Shipping: 1,000 Maximum: 16,000
Maximum number of links in a Port Channel	32
Maximum number of ECMP paths	64
Maximum number of ECMP groups	256
Maximum number of ECMP members	64,000
Maximum number of Port Channels	512
Number of active SPAN sessions	4
Number of VLAN's in Rapid per-VLAN Spanning Tree (RPVST) instances	3,967
Number of Hot-Standby Router Protocol (HSRP) groups	490
Number of Multiple Spanning Tree (MST) instances	64
Maximum Number of VxLAN Tunnel Endpoints (VTEPs)	256
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)
Weight (without power supplies or fans)	14.12 lb (6.4 kg)

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HongKong Office Tel: +00852-66181601

HangZhou Office Tel: +0086-571-86729517

Email: info@hi-network.com

Skype: echo.hinetwork

