Overview

C9500-48Y4C-E is a Cisco Catalyst 9500 Series high performance 48-port 25G switch, NW Ess. License. The Cisco Catalyst 9500 Series Switches are the next generation of enterprise-class core and aggregation layer switches, supporting full programmability and serviceability. Based on an x86 CPU, the Catalyst 9500 Series is Cisco's lead purpose-built fixed core and aggregation enterprise switching platform, built for security, IoT, and cloud. The Catalyst 9500 Series is the industry's first purpose-built 40 Gigabit Ethernet line of switches targeted for the enterprise campus.

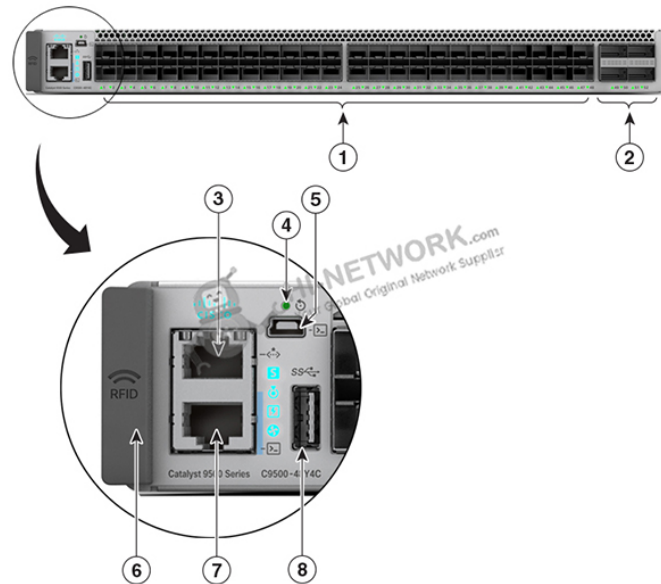## Quick Specification

Table 1 shows the quick specification.

Model	C9500-48Y4C-E
Description	Cisco Catalyst 9500 Series high performance 48-port 25G switch, NW Ess. License
Switching capacity	Up to 3.2 Tbps
Forwarding rate	Up to 1 Bpps
DRAM	16 G
Flash	16 G
Dimensions (H x W x D)	1.73 x 17.5 x 18.0 in
Rack units (RU)	1RU

Figure 1 shows the appearance of the C9500-48Y4C-E.

Product Details

Figure 2 shows the front panel of C9500-48Y4C-E.

Note:

(1)	48 1G/10G/25G SFP28 ports	(5)	USB mini Type B console port
(2)	Uplink ports	(6)	RFID
(3)	Ethernet management port	(7)	Console port (RJ-45 Serial)
(4)	Reset button	(8)	USB 3.0 host port

Compare to Similar Item

Table 2 shows the comparison.

Model	C9500-48Y4C-E	C9500-24Y4C-E
Description	Cisco Catalyst 9500 Series high performance 48-port 25G switch, NW Ess. License	Cisco Catalyst 9500 Series high performance 24-port 1/10/25G switch, NW Ess. License
Switching capacity	Up to 3.2 Tbps	Up to 2 Tbps
Forwarding rate	Up to 1 Bpps	Up to 1 Bpps
DRAM	16 G	16 G
Flash	16 G	16 G
Dimensions (H x W x D)	1.73 x 17.5 x 18.0 in	1.73 x 17.5 x 18.0 in
Rack units (RU)	1RU	1RU

Get More Information

Do you have any questions about the C9500-48Y4C-E?

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Specification

C9500-48Y4C-E Datasheet	
Performance specifications	
Switching capacity	Up to 3.2 Tbps
Forwarding rate	Up to 1 Bpps
Total number of MAC addresses	Up to 82,000
Total number of IPv4 routes (Address Resolution Protocol [ARP] plus learned routes)	Up to 212,000 indirect + direct Up to 90,000 host/ARP
Total number of IPv6 routes	Up to 212,000 indirect + direct Up to 90,000 host
QoS ACL scale	Up to 16000
Security ACL scale	Up to 27000
FNF entries	Up to 98,000
DRAM	16 GB
Flash	16 GB
VLAN IDs	4000
Total Switched Virtual Interfaces (SVIs)	4000
Jumbo frame	9216 bytes
Power supply specifications	
Power Supply Selection	C9K-PWR-650WAC-R or C9K-PWR-930WDC-R
Dimensions, physical specifications, and MTBF	
Dimensions (H x W x D)	1.73 x 17.5 x 18.0 in
Rack units (RU)	1 RU
Input voltage	90 to 264 VAC
Operating temperature	32° to 104°F (0° to 40°C)
Storage temperature	-4° to 149°F (-20° to 65°C)
Relative humidity operating and nonoperating noncondensing	Ambient (noncondensing) operating: 5% to 90% Ambient (noncondensing) nonoperating and storage: 5% to 95%
Altitude	Operation up to 13,000 feet at 40°C

MTBF (hours)	316,960

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