C9500-40X-E Datasheet

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Overview

The Cisco C9500-40X-E Catalyst 9500 is a high-performance switch designed to gather the demands of modern networks. Its front-to-back airflow and 10GB SFP+ ports offer flexibility in connectivity options. While you are looking up a small office or an organization-level network infrastructure, the C9500-40X-E provides robust features required by today's businesses while optimizing investment costs. Cisco Catalyst C9500-40X-E: Cisco Catalyst 9500 40-port 10G switch.

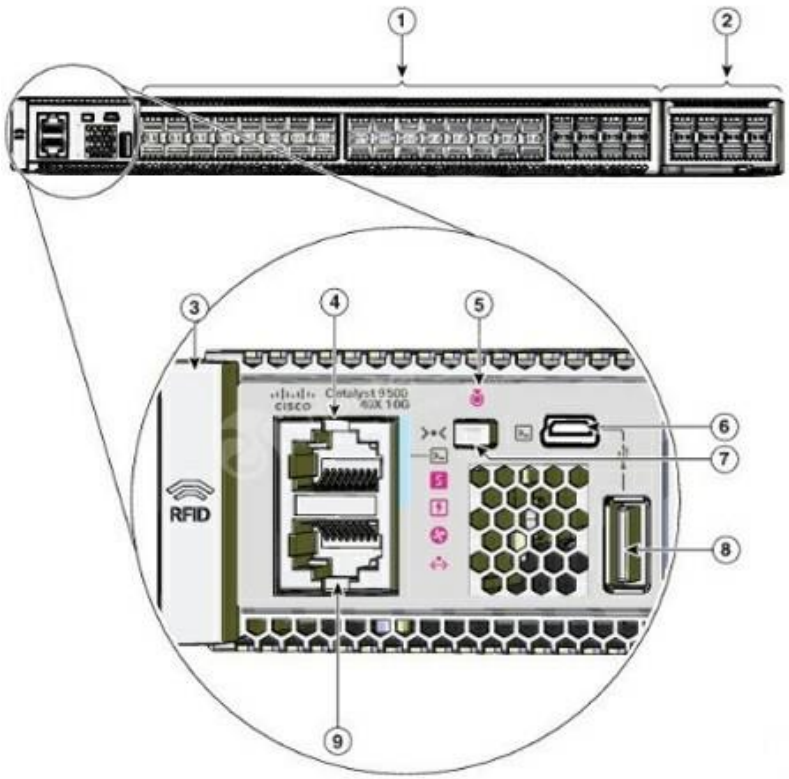
Quick Specs

Table 1 shows the Quick Specs.

Product Code	C9500-40X-E
Description	Catalyst 9500 40-port 10Gig switch, Network Essentials
Switching capacity	Up to 960 Gbps
Forwarding rate	Up to 720 Mpps
AC power max rating	950W
System power consumption	850W max
Dimensions (H x W x D)	1.73 x 17.5 x 21.52 in
Rack units (RU)	1 RU

Product Details

Figure 2 shows the front panel of C9500-40X-E.



Note:

(1)	40 10G SFP ports

(2)	Network modules
(3)	RFID
(4)	Console port (RJ-45 Serial)
(5)	Blue beacon LED
(6)	USB mini Type B console port
(7)	Mode button
(8)	USB 2.0 host port
(9)	Ethernet management RJ-45 port

The Accessories

Table 2 shows the recommended elements for the C9500-40X-E.

Category	Model	Description
Power Supply	PWR-C4-950WAC-R	950W AC Config 4 Power Supply front to back cooling
	PWR-C4-950WAC-R/2	950W AC Config 4 Power Supply front to back cooling
Console Cables	CAB-CONSOLE-RJ45	Cisco CAB-CONSOLE-RJ45 Console Cable 6ft with RJ45 and DB9F
	CAB-CONSOLE-USB	Cisco CAB-CONSOLE-USB Console Cable 6 ft with USB Type A and mini-B

Specification

C9500-40X-E specifications	
Performance specifications	
Switching capacity	Up to 960 Gbps
Forwarding rate	Up to 720 Mpps
Total number of MAC addresses	Up to 64,000*
Total number of IPv4 routes (Address Resolution Protocol [ARP] plus learned routes)	Up to 64,000 indirect* Up to 32,000 host*
Total number of IPv6 routes	Up to 32,000 indirect* Up to 16,000 host*
Multicast scale	Up to 48,000*
QoS ACL scale	Up to 18000*
Security ACL scale	Up to 18000*
FNF entries	Up to 512,000*
DRAM	16 GB

Flash	16 GB
VLAN IDs	4000
Total Switched Virtual Interfaces (SVIs)	4000
Jumbo frame	9198 bytes
Power supply specifications	
Power Supply Feature	Support in the Catalyst 9500 Series
AC power max rating	950W
System power consumption	850W max
Input-voltage range and frequency	AC 115 to 230 VAC, 50 to 60 Hz
Power supply efficiency	94%
Total output BTU (Note: 1000 BTU/hr = 293W)	2901 BTU/hr (850W) max
Input current	AC 10A at 115VAC, 5 A at 230VAC
Output ratings	12V at 79A, 12V at 3A
Output holdup time	AC = 10 ms at maximum load
Power-supply input receptacles	AC IEC 60320 C16
Power cord rating	AC 15A
Dimensions, physical specifications, and MTBF	
Description	Specifications
Dimensions (H x W x D)	1.73 x 17.5 x 21.52 in
Rack units (RU)	1 RU
Input voltage	90 to 264 VAC
Operating temperature	32°F to 104°F (0° to 40°C)
Storage temperature	-4° to 149°F (-20° to 65°C)
Relative humidity operating and non operating non condensing	Ambient (non condensing) operating: 5% to 90% Ambient (non condensing) non operating and storage: 5% to 95%
Altitude	Operation up to 6000 ft
MTBF (hours)	180,640