C9500-16X-E Datasheet

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Overview

C9500-16X-E is a Cisco Catalyst 9500 16-port 10G 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 Specs

Table 1 shows the Quick Specs.

Product Code	С9500-16Х-Е	
Description	Cisco Catalyst 9500 16-port 10G switch, NW Ess. License	
Switching capacity	Up to 480 Gbps	
Forwarding rate	Up to 360 Mpps	
DRAM	16 G	
Flash	16 G	
Dimensions (H x W x D)	1.73 x 17.5 x 21.52 in	
Rack units (RU)	1 RU	

Product Details

Highlights of Catalyst 9500 1/10-G 16- and 40-port switches: C9500-16X, C9500-48X

 \cdot 16 to 40 ports of 1/10 G with rich campus features

 \cdot SFP/SFP+, 8 x 1/10 G or 2 x 40 G uplinks

· Secure segmentation with SD-Access

· MPLS Level 2/3 VPNs, MVPN; flexible design templates

· Enhanced Limited Lifetime Warranty (E-LLW)

Compare to Similar Item

Table 2 shows the comparison.

Product Code	C9500-16X-E	C9500-32C-A
Description	Cisco Catalyst 9500 16-port 10G switch, NW Ess. License	Cisco Catalyst 9500 Series high performance 32-port 100G switch, NW Adv. License
Switching capacity	Up to 480 Gbps	Up to 6.4 Tbps
Forwarding rate	Up to 360 Mpps	Up to 2 Bpps
DRAM	16 G	16 G
Flash	16 G	16 G
Dimensions (H x W x D)	1.73 x 17.5 x 21.52 in	1.73 x 17.5 x 21.2 in
Rack units (RU)	1 RU	1RU

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Specification

C9500-16X-E Specification			
Performance specifications			
Switching capacity	Up to 480 Gbps		
Forwarding rate	Up to 360 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 80,000 host		
Total number of IPv6 routes	Up to 32,000 indirect Up to 40,000 host		
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 Selection	PWR-C4-950WAC-R or PWR-C4-950WDC-R		
Power max rating	950 W		
Dimensions, physical specifications, weight, and MTBF			
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° 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 6000 feet at 55°C and 13,000 feet at 45°C		
MTBF (hours)	315,790		

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