

BRAND NEW & VERIFIED



VERIFIED PRODUCT DATASHEET

C9500-40X-E

Cisco Network Hardware Specification, Availability and Quote Reference

Product Model	C9500-40X-E
Document Type	Product Datasheet
Condition	Brand New, Original and Verifieded
Supplier	Layer23-Switch.com

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C9500-40X-E Datasheet



The Cisco C9500-40X-E datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the C9500-40X-E and integrate it into enterprise or service provider networks with confidence.

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Key Features

High-Density 10G Aggregation

Offers 40 × 10G ports for campus or data-center aggregation, providing non-blocking performance and low-latency switching for converged enterprise traffic.

StackWise Virtual Resiliency

Two switches act as one logical unit, ensuring seamless failover, simplified management, and continuous network availability.

Programmable UADP 2.0 Architecture

Hardware-accelerated QoS, ACL, and telemetry deliver deterministic performance and deep visibility into traffic patterns.

Secure and Trusted Platform

Combines Secure Boot, Trust Anchor, and MACsec encryption for end-to-end data protection in mission-critical environments.

Automation and Analytics Ready

Cisco IOS XE software supports model-driven telemetry, open APIs (NETCONF, RESTCONF), and integration with DNA Center for automated provisioning.

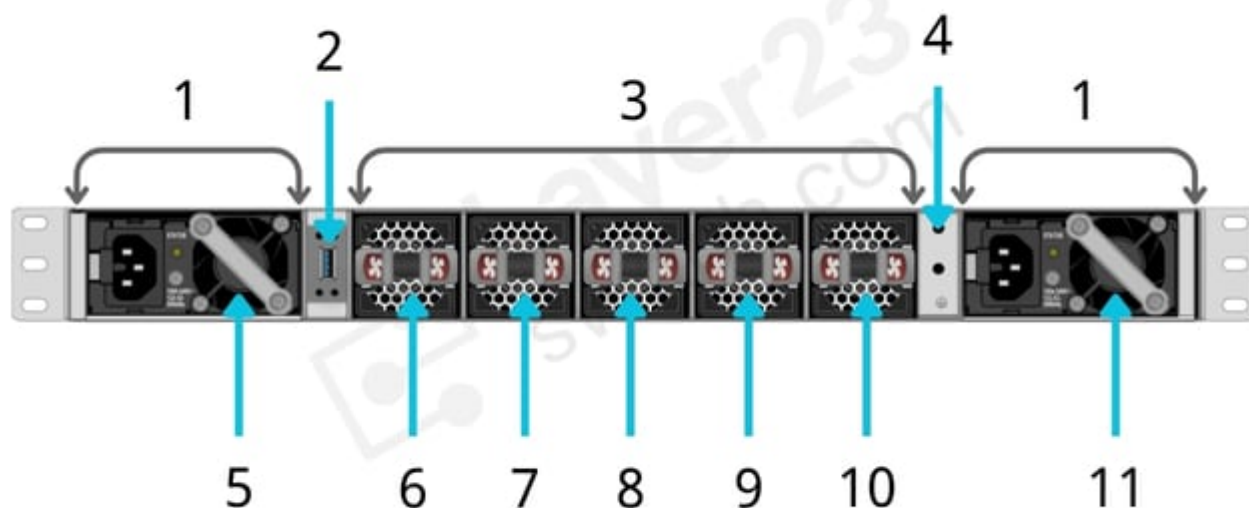
Energy-Efficient Modular Design

Compact 1RU chassis with hot-swappable power and fan modules ensures easy maintenance and reduced downtime.

C9500-40X-E Switch Rear Panel

The switch rear panel includes StackWise connectors, StackPower or XPS connectors, ports, fan modules, and power supply modules.

1	Power supply modules	7	Fan 3
2	USB 3.0 host port	8	Fan 2
3	Fan modules	9	Fan 1
4	Grounding pad	10	Fan 0
5	PSU 1	11	PSU 0
6	Fan 4	-	-



Components Delivered in the Shipping Box

The shipping box contains the model of the switch you ordered and other components needed for installation. Some components are optional, depending on your order.

1	Cisco Catalyst 9500 Series switch with optional network module ¹ (power supply and fan modules not shown)	7	Eight number-8 Phillips flat-head 0.312" long screws
2	Product documentation and compliance document	8	Two M4.0 x 20mm Phillips pan-head screws (Black color)
3	Two 19-inch mounting brackets	9	Ground lug and two M4.0 x 8mm Phillips pan-head screws
4	Two Cable guides	10	(Optional) AC power cord ²

5	Four number-12 pan-head 0.50" long screws	11	(Optional) RJ-45 console cable ¹
6	Four number-10 pan-head 0.625" long screws	12	(Optional) USB console cable ¹



Specification

Parameter	Specification	Parameter	Specification
Model / License	C9500-40X-E (Network Essentials)	Family	Catalyst 9500 (non-X)
Port Configuration	40 × 1/10G SFP/SFP+ ports	Breakout Options	Per supported transceiver/cable
ASIC	Cisco UADP 2.0	Forwarding Architecture	Line-rate, hardware-accelerated
Switching Capacity	960 Gbps (system)	Forwarding Rate	720 Mpps (64-byte frames)
MAC Table	Up to 82,000 entries	IPv4 / IPv6 Routes	256,000 each (direct + indirect)
VLAN IDs	4094	Jumbo Frames	9216 bytes
High Availability	StackWise Virtual, SSO redundancy	Virtual Chassis	Two switches act as one
Security	Trust Anchor, Secure Boot, MACsec 128-bit	Compliance	CE, UL/CSA, FCC Class A
Operating System	Cisco IOS XE 16.6.4+	Automation / APIs	NETCONF, RESTCONF, gNMI/gRPC telemetry
Management	Catalyst Center / Meraki Cloud Monitoring	Monitoring	SNMP, Syslog, Model-driven Telemetry
Power Supplies	Dual 650 W AC (1+1 redundant)	Airflow	Front-to-Back cooling
Fan Tray	Field-replaceable FRU fan unit	Noise / Thermals	Data-center optimized design
Dimensions (H×W×D)	1.73 × 17.5 × 17.5 in	Depth (mm)	≈ 445 mm
Weight	Approx. 8.9 kg (with PSU & fans)	Environment	0 - 45 °C; 10 - 95 % RH (non-condensing)
Licensing	Network Essentials (upgradable)	Warranty	Enhanced Limited Lifetime (E-LLW)

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- WhatsApp: [+8617181189993](https://wa.me/+8617181189993)
- Wechat: [layer23-switch](#)
- Telegram: [layer23_switch](#)
- Email: sales@layer23-switch.com

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