

BRAND NEW &amp; VERIFIED



## VERIFIED PRODUCT DATASHEET

**C9500-24Y4C-A**

Cisco Network Hardware Specification, Availability and Quote Reference

<b>Product Model</b>	<b>C9500-24Y4C-A</b>
<b>Document Type</b>	<b>Product Datasheet</b>
<b>Condition</b>	<b>Brand New, Original and Verified</b>
<b>Supplier</b>	<b>Layer23-Switch.com</b>

<b>200+</b> Countries Sold	<b>18,000+</b> Customers Trusted	<b>\$20M</b> Inventory Available	<b>1-Year</b> Warranty Support
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## C9500-24Y4C-A Datasheet

The Cisco C9500-24Y4C-A datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the C9500-24Y4C-A and integrate it into enterprise or service provider networks with confidence.

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## Key Features

### Real Upgrade Path Beyond 10G Networks

Many enterprises still run 10G uplinks today, but future traffic growth often demands 25G and 100G. This switch helps avoid another hardware refresh too soon.

### Advanced Routing and Segmentation

Supports MPLS L3VPN, VRF-Lite, EVPN, and Segment Routing for scalable multi-tenant or hybrid-cloud deployments.

### StackWise Virtual High Availability

Enables active-active redundancy and seamless stateful failover with SSO/ISSU for continuous operation.

### Enhanced Security and Compliance

Incorporates Secure Boot, Trust Anchor Module, and 256-bit MACsec encryption for full data-plane protection.

### Programmable UADP 3.0 ASIC

Offers hardware-based telemetry, QoS, and ACL handling with flexibility for automation and SDN integration.

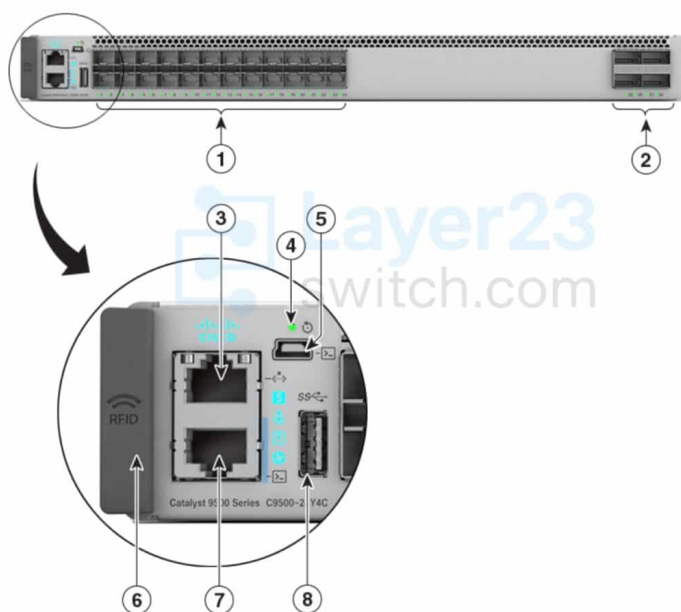
### Energy-Efficient Design

Compact 1RU chassis with dual PSUs and FRU fan trays ensures serviceability and reduced downtime in enterprise cores.

## 2. Choose C9500-24Y4C-E if features matter less than budget

Same hardware platform, but lower software tier.

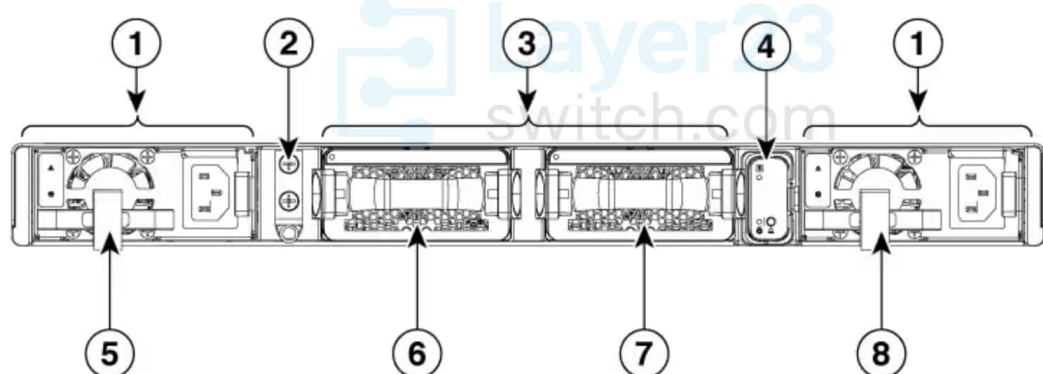
## C9500-24Y4C-A Switch Front Panel



1	24 1G/10G/25G SFP28 ports	5	USB mini Type B console port
2	Uplink ports	6	RFID (Optional)
3	Ethernet management port	7	Console port (RJ-45 Serial)
4	Reset button	8	USB 3.0 host port

## C9500-24Y4C-A 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	5	PSU 1
2	Grounding pad	6	Fan 1
3	Fan modules	7	Fan 0
4	SATA SSD module	8	PSU 0

## 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 <sup>1</sup> (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 <sup>2</sup>

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



## Specification

Parameter	Details	Parameter	Details
<b>Product SKU</b>	C9500-24Y4C-A	<b>Description</b>	24-port 1/10/25G SFP28 switch with 4 x 40/100G QSFP28, Network Advantage
<b>Series</b>	Catalyst 9500 High Performance	<b>License Tier</b>	Network Advantage
<b>Front Ports</b>	24 x 1/10/25G SFP28	<b>Uplink Ports</b>	4 x 40/100G QSFP28
<b>Switching Capacity</b>	Up to 2.0 Tbps	<b>Forwarding Rate</b>	Up to 1 Bpps
<b>ASIC</b>	Cisco UADP 3.0	<b>CPU</b>	x86 CPU
<b>DRAM</b>	16 GB	<b>Flash</b>	16 GB
<b>MAC Address Table</b>	Up to 82,000	<b>VLAN IDs</b>	4094
<b>Total SVIs</b>	4000	<b>Jumbo Frame</b>	9198 Bytes
<b>Rack Units</b>	1RU	<b>Dimensions</b>	1.73 x 17.5 x 18.0 in
<b>Weight</b>	20.99 lb (9.52 kg)	<b>Input Voltage</b>	90 to 264 VAC
<b>Operating Temperature</b>	32°F to 104°F (0°C to 40°C)	<b>Storage Temperature</b>	-4°F to 149°F (-20°C to 65°C)
<b>Humidity</b>	5% to 95% non-condensing	<b>High Availability</b>	StackWise Virtual Supported
<b>Power Supply</b>	C9K-PWR-650WAC-R / C9K-PWR-930WDC-R	<b>Fan Tray</b>	Hot-swappable
<b>Management</b>	CLI / Web UI / SNMP / API / Catalyst Center	<b>Warranty</b>	Enhanced Limited Lifetime Warranty
<b>Compliance</b>	UL, CE, FCC Class A, RoHS	<b>Minimum Software</b>	Cisco IOS XE 16.8.1 or later

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