

BRAND NEW &amp; VERIFIED



## VERIFIED PRODUCT DATASHEET

**C9500-24Y4C-E**

Cisco Network Hardware Specification, Availability and Quote Reference

<b>Product Model</b>	<b>C9500-24Y4C-E</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
-------------------------------	-------------------------------------	-------------------------------------	-----------------------------------

**Need Price or Availability?**

View product details, check stock, or request a fast quotation from Layer23-Switch.

[View Product Page & Request a Quote](#)



## C9500-24Y4C-E Datasheet

---

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

[Read More](#) | [Quote](#)

---

## Key Features

---

### High-Density 25G Performance

Delivers 24 SFP28 ports for access or aggregation layers requiring 25G connectivity, bridging 10G legacy and 100G core infrastructures.

### Programmable UADP 3.0 Silicon

Enables hardware-based QoS, ACL, telemetry and SD-Access fabric features through template-driven ASIC partitioning.

### StackWise Virtual Resiliency

Supports multi-chassis redundancy and stateful failover, ideal for mission-critical campus cores.

### Advanced Security and Trust

Includes Secure Boot, Trust Anchor Module, and 256-bit MACsec encryption for end-to-end data integrity and compliance.

### Cloud and Automation Ready

Fully integrated with Cisco DNA Center and Meraki Cloud Monitoring for policy-based provisioning and real-time insights.

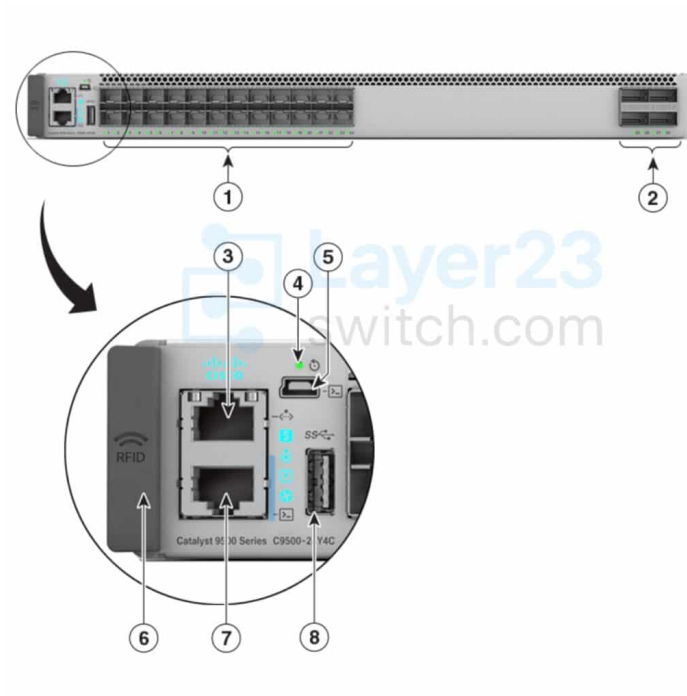
### Energy-Efficient Design

Compact 1RU form factor with hot-swappable power and fan modules reduces maintenance and downtime in dense deployments.

---

## C9500-24Y4C-E Switch Front Panel

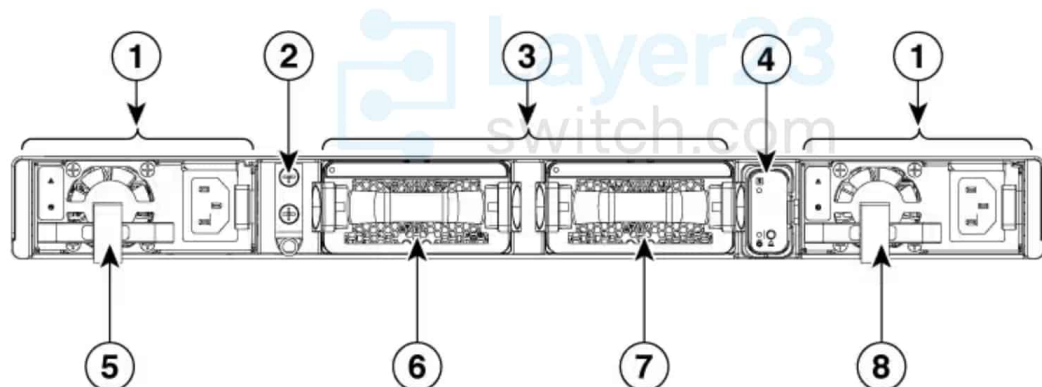
---



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-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	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	Specification	Parameter	Specification
Model / License	C9500-24Y4C-E (Network Essentials)	Family	Catalyst 9500 High-Performance Series
Downlink Ports	24 × 1G/10G/25G SFP28	Uplink Ports	4 × 40G/100G QSFP28 (fixed)
ASIC	Cisco UADP 3.0 programmable ASIC	Architecture	Line-rate non-blocking design
Switching Capacity	2 Tbps (full-duplex)	Forwarding Rate	1 Bpps (64-byte frames)
MAC Address Table	Up to 64,000 entries	IPv4 / IPv6 Routes	Up to 256,000 each (direct + indirect)
VLAN IDs	4094	Jumbo Frames	9216 bytes
High Availability	StackWise Virtual, SSO, ISSU	Routing Protocols	OSPF, EIGRP, BGP, IS-IS, PIM-SM/SSM
Security	Trust Anchor, Secure Boot, MACsec 256-bit	QoS	Hierarchical QoS (2-level scheduling)
Management	Cisco Catalyst Center / Meraki Cloud Monitoring	Automation	NETCONF, RESTCONF, gNMI, Model-Driven Telemetry
Operating System	Cisco IOS XE 16.8.1a or later	Licensing	Smart License - Network Essentials / DNA Subscription
Power Supply	Dual 650 W AC (C9K-PWR-650WAC-R)	Airflow	Front-to-Back (C9K-T1-FANTRAY×4)
MTBF	336,780 hours	Environment	0 °C - 40 °C, 10 - 95 % RH (non-condensing)
Dimensions (H×W×D)	1.73 × 17.5 × 18.0 in (4.39 × 44.45 × 45.72 cm)	Weight	9.52 kg (fully loaded)
Compliance	UL 60950-1, EN 60950-1, FCC Class A	Warranty	Enhanced Limited Lifetime (E-LLW)

## Want to Buy

---

[Order Now](#) [Get a Quote](#)

## Why Layer23-Switch.com

---

As a leading network hardware supplier, Layer23-Switch.com focuses on original new ICT equipment of Cisco, H3C, Juniper, etc.

**200+** Countries we Sold    **18,000+** Customers Trusted    **\$20,000,000** Inventory Available    **50%-98%** Off Global List Price    **100%** Safe Online Shopping

## Contact Us

---

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

### Need Price and Availability for C9500-24Y4C-E?

View product details, request a quote, or check current stock from Layer23-Switch.

[View Product Details & Request a Quote](#)