

BRAND NEW &amp; VERIFIED



## VERIFIED PRODUCT DATASHEET

**C9500-48Y4C-A**

Cisco Network Hardware Specification, Availability and Quote Reference

|                      |                                         |
|----------------------|-----------------------------------------|
| <b>Product Model</b> | <b>C9500-48Y4C-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><br>Countries Sold | <b>18,000+</b><br>Customers Trusted | <b>\$20M</b><br>Inventory Available | <b>1-Year</b><br>Warranty Support |
|-------------------------------|-------------------------------------|-------------------------------------|-----------------------------------|

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## C9500-48Y4C-A Datasheet

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The Cisco C9500-48Y4C-A datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the C9500-48Y4C-A and integrate it into enterprise or service provider networks with confidence.



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## Key Features

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### High-Density 25G Core Switching

Delivers 48 × 25G SFP28 ports and 4 × 100G uplinks for campus or data-center aggregation requiring massive throughput and low latency.

### Advanced Routing and Segmentation

Supports MPLS L3VPN, EVPN, VRF-Lite, and Segment Routing for large-scale multi-tenant and hybrid cloud architectures.

### StackWise Virtual High Availability

Two switches operate as one logical system with SSO and ISSU for zero-downtime upgrades and resilient operations.

### Secure and Trusted Infrastructure

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

### Programmability and Automation

Cisco IOS XE and UADP 3.0 enable hardware telemetry, open APIs, and policy-based automation with Catalyst Center.

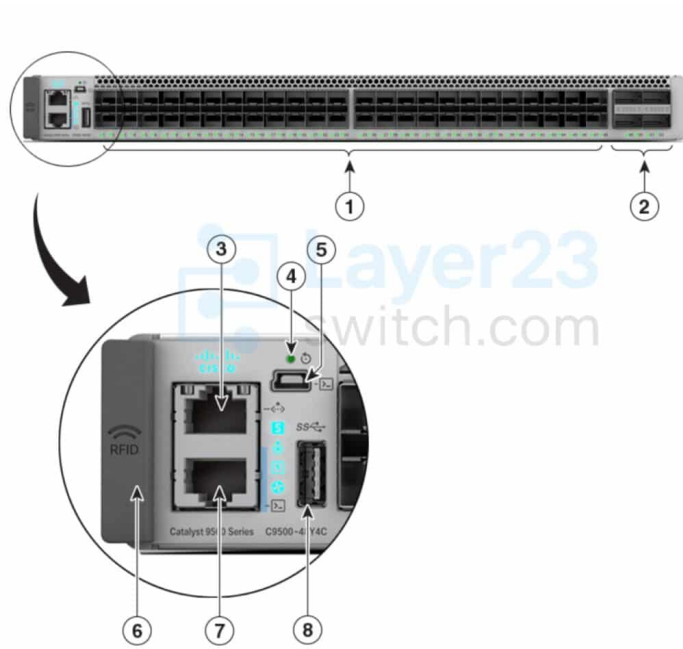
### Compact 1 RU Energy-Efficient Design

Front-to-back airflow, dual hot-swappable PSUs and fan modules simplify maintenance and lower operational costs.

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## C9500-48Y4C-A Switch Front Panel

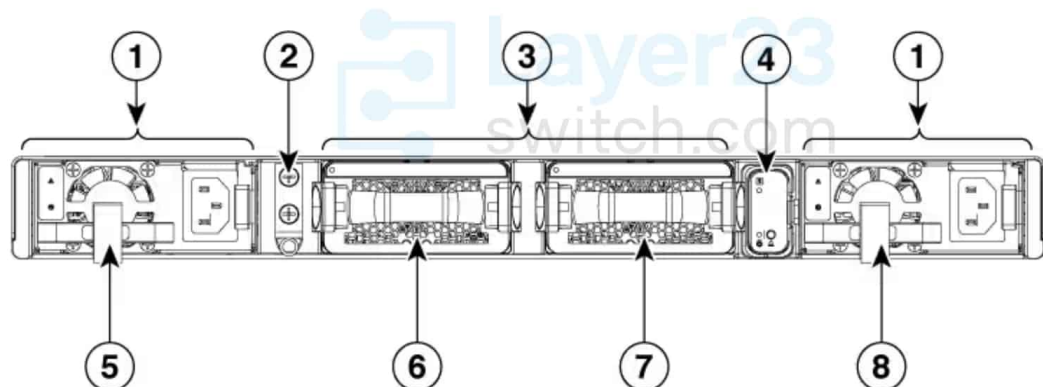
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|   |                           |   |                              |
|---|---------------------------|---|------------------------------|
| 1 | 48 1G/10G/25G SFP28 ports | 5 | USB mini Type B console port |
| 2 | Uplink ports              | 6 | RFID (Optional)              |
| 3 | Ethernet management port  | 7 | Console port (RJ-45 Serial)  |
| 4 | Reset button              | 8 | USB 3.0 host port            |

## C9500-48Y4C-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>           | C9500-48Y4C-A                                     | <b>Description</b>         | 48-port 25G switch, Network Advantage |
| <b>Series</b>                | Catalyst 9500 High Performance                    | <b>License Tier</b>        | Network Advantage                     |
| <b>Front Ports</b>           | 48 × 1/10/25G SFP28                               | <b>Uplink Ports</b>        | 4 × 40/100G QSFP28                    |
| <b>Switching Capacity</b>    | Up to 3.2 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 × 17.5 × 18.0 in                 |
| <b>Weight</b>                | 21.96 lb (9.96 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 / SNMP / NETCONF / RESTCONF / 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 16.8.1a or later         |

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## Why Layer23-Switch.com

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