



## C9300-24U-A DataSheet

Cisco Catalyst C9300-24U-A is a 24-port UPoE access switch with modular uplinks, 830W PoE budget, 480Gbps stacking, and advanced security—ideal for high-demand enterprise networks.

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### C9300-24U-A Description



The Cisco Catalyst C9300-24U-A switch, also known as C9300 24-Port UPoE Switch Network Advantage, is designed for enterprise networks demanding high performance, secure access, and flexible power delivery. This model features 24 Gigabit UPoE ports supporting up to 60W per port, ideal for powering advanced devices like wireless APs, phones, cameras, and IoT endpoints. With modular uplink support (1G/10G/25G/40G), a robust 830W PoE budget, and StackWise-480 technology for up to 480Gbps stacking bandwidth, the C9300-24U-A ensures resilient, scalable access switching for campus and branch deployments. Advanced software features and secure, always-on access make this model a future-ready choice for evolving enterprise IT environments.

### Quick Specs

| Parameter      | Specification                    |
|----------------|----------------------------------|
| Downlink Ports | 24 × 10/100/1000 Mbps RJ-45 UPoE |
| Uplink Module  | Modular (1G/10G/25G/40G options) |

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Switching Capacity   | 128 Gbps (standalone)                            |
| Forwarding Rate      | 95.2 Mpps (standalone)                           |
| Default Power Supply | 1100W AC                                         |
| PoE Budget           | 830W (with default PSU)                          |
| Maximum PoE per Port | 60W (UPoE)                                       |
| Packet Buffer        | 16 MB                                            |
| Stacking             | StackWise-480, up to 480 Gbps stacking bandwidth |
| Flash / Memory       | 16GB Flash, 8GB DRAM                             |

## Key Features

## Product Comparison

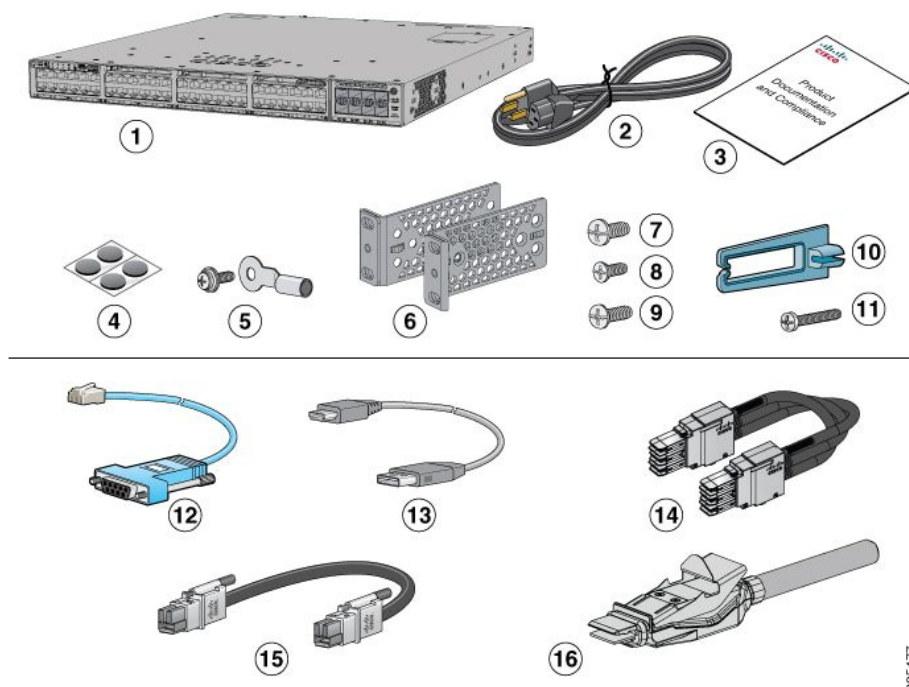
| Parameter          | C9300-24U-A              | <a href="#">C9300-24P-A</a> | <a href="#">C9300-24T-A</a> |
|--------------------|--------------------------|-----------------------------|-----------------------------|
| Downlink Ports     | 24 × 1G UPoE             | 24 × 1G PoE+                | 24 × 1G Data                |
| Uplink Module      | Modular (1G/10G/25G/40G) | Modular (1G/10G/25G/40G)    | Modular (1G/10G/25G/40G)    |
| Switching Capacity | 128 Gbps                 | 128 Gbps                    | 128 Gbps                    |
| Forwarding Rate    | 95.2 Mpps                | 95.2 Mpps                   | 95.2 Mpps                   |
| PoE Budget         | 830W                     | 445W                        | N/A                         |
| PoE per Port       | 60W (UPoE)               | 30W (PoE+)                  | N/A                         |
| Stacking Bandwidth | 480 Gbps                 | 480 Gbps                    | 480 Gbps                    |
| Packet Buffer      | 16 MB                    | 16 MB                       | 16 MB                       |

|                      |                   |                   |                   |
|----------------------|-------------------|-------------------|-------------------|
| Flash / DRAM         | 16GB / 8GB        | 16GB / 8GB        | 16GB / 8GB        |
| Default Power Supply | 1100W AC          | 715W AC           | 350W AC           |
| Software License     | Network Advantage | Network Advantage | Network Advantage |

## 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 9300 Series switch with optional network module <sup>1</sup> (power supply and fan modules not shown) | 9  | Eight number-8 Phillips flat-head screws                           |
| 2 | AC power cord                                                                                                        | 10 | Cable guide                                                        |
| 3 | Product documentation and compliance document                                                                        | 11 | M4.0 x 20mm Phillips pan-head screw                                |
| 4 | Four rubber mounting feet                                                                                            | 12 | (Optional) RJ-45 console cable                                     |
| 5 | Ground lug screw and ring terminal                                                                                   | 13 | (Optional) USB console cable                                       |
| 6 | Two 19-inch mounting brackets                                                                                        | 14 | (Optional) StackWise-480/1T cable (0.5-meter, 1-meter, or 3-meter) |
| 7 | Four number-12 pan-head screws                                                                                       | 15 | (Optional) StackPower cable (0.3-meter or 1.5-meter)               |
| 8 | Four number-10 pan-head screws                                                                                       | 16 | (Optional) StackWise-320 cable                                     |



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## Specification

| Parameter                 | Specification            | Parameter                       | Specification                       |
|---------------------------|--------------------------|---------------------------------|-------------------------------------|
| <b>Model</b>              | C9300-24U-A              | <b>Series</b>                   | Catalyst 9300                       |
| <b>Software License</b>   | Network Advantage (A)    | <b>Downlink Ports</b>           | 24 × 1G UPoE                        |
| <b>Uplink Module</b>      | Modular (1G/10G/25G/40G) | <b>Switching Capacity</b>       | 128 Gbps                            |
| <b>Forwarding Rate</b>    | 95.2 Mpps                | <b>Stacking</b>                 | StackWise-480, up to 8 units        |
| <b>Stacking Bandwidth</b> | 480 Gbps                 | <b>Default Power Supply</b>     | 1100W AC                            |
| <b>PoE Budget</b>         | 830W                     | <b>PoE Type</b>                 | UPoE (IEEE 802.3bt), up to 60W/port |
| <b>MAC Address Table</b>  | 32K entries              | <b>VLANs Supported</b>          | 4K                                  |
| <b>Packet Buffer</b>      | 16 MB                    | <b>Flash</b>                    | 16 GB                               |
| <b>Memory (DRAM)</b>      | 8 GB                     | <b>CPU</b>                      | Multi-core x86                      |
| <b>Fan</b>                | Field-replaceable        | <b>Operating Temperature</b>    | 0°C to 45°C                         |
| <b>Redundant Power</b>    | Supported (optional)     | <b>Hot Swappable Components</b> | Power, fan, uplinks                 |

| Parameter                         | Specification                  | Parameter                        | Specification                        |
|-----------------------------------|--------------------------------|----------------------------------|--------------------------------------|
| <b>Mounting</b>                   | Rack-mountable, 1RU            | <b>Dimensions</b>                | 44.5 x 445 x 420 mm                  |
| <b>Weight</b>                     | ~7.4 kg                        | <b>Management Ports</b>          | 1 x 10/100/1000 Ethernet,<br>1 x USB |
| <b>Console Port</b>               | RJ-45 and USB                  | <b>Energy Efficient Ethernet</b> | Yes                                  |
| <b>NetFlow</b>                    | Supported                      | <b>MACsec</b>                    | Supported                            |
| <b>Operating System</b>           | Cisco IOS XE                   | <b>Bluetooth Support</b>         | Yes (USB dongle)                     |
| <b>Accessory Modules</b>          | All C9300 uplink/stack modules | <b>Warranty</b>                  | Limited Lifetime                     |
| <b>Mean Time Between Failures</b> | >250,000 hours                 | <b>Power Redundancy</b>          | Yes, with optional PSU               |
| <b>Airflow</b>                    | Front to back                  | <b>LED Indicators</b>            | Status, PoE, Stack                   |
| <b>SD Card Slot</b>               | Yes                            | <b>USB 2.0 Port</b>              | Yes                                  |

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