TECHNICAL DATASHEET

CISCO · NETWORKING

# Cisco Catalyst 9300 24-port 1G SFP switch, modular uplinks, Network Advantage

Catalyst 9300 stackable enterprise access switch - 24x 1G SFP fiber ports, modular uplinks

SKU C9300-24S-A | 1U | Cisco

| DOWNLINK PORTS | SWITCHING CAPACITY | DIMENSIONS | PRICE |
|---|---|---|---|
| 24x 1G SFP fiber ports | 208 Gbps | 4.4 x 44.5 x 44.9 cm (1.73 x 17.5 x 17... | On request |

ISO 9001 · ISO 14001 · ISO 27001

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## 01 Product overview

The Cisco C9300-24S-A is a Catalyst 9300 stackable enterprise access switch that provides 24x 1G SFP fiber ports and modular uplinks (C9300-NM-4G, C9300-NM-4M, C9300-NM-8X, C9300-NM-2Q, C9300-NM-2Y network modules). It delivers 208 Gbps of switching capacity and a forwarding rate of 154.76 Mpps, ensuring wire-speed performance for everyday business traffic.

The Catalyst 9300 is Cisco's flagship stackable enterprise access platform. It combines the UADP 2.0 ASIC with Cisco IOS XE to deliver high-scale Layer 3 routing, SD-Access fabric edge functionality, wired and wireless convergence, application hosting and strong security features such as MACsec-256 and Cisco Trustworthy Solutions. StackWise-480 and StackPower provide resilient stacking of up to eight switches, while field-replaceable power supplies, fans and uplink network modules maximise uptime and flexibility.

This part number ships with the Network Advantage software license; Network Advantage adds advanced routing, segmentation and high-availability capabilities on top of Network Essentials. A Cisco DNA / Catalyst subscription is ordered together with the switch. It is well suited to enterprise wiring closets, branch offices and campus access layers. ServerInvest supplies Cisco switching across Europe - contact us for pricing, availability and project quotes.

### KEY SPECIFICATIONS

| | |
|---|---|
| Manufacturer part number | **C9300-24S-A** |
| Series | **Catalyst 9300** |
| Switch type | **Layer 3 (Cisco IOS XE)** |
| Downlink ports | **24x 1G SFP fiber ports** |
| Switching capacity | **208 Gbps** |
| Forwarding rate | **154.76 Mpps** |
| MAC address table | **32,000** |
| VLANs | **4,094** |
| Jumbo frames | **9,198 bytes** |
| Routing scale | **32,000 IPv4 (24,000 direct + 8,000 indirect); 16,000 IPv6** |
| DRAM | **8 GB** |
| Flash | **16 GB** |

### HIGHLIGHTS

- 24x 1G SFP fiber ports
- Modular uplinks (C9300-NM-4G, C9300-NM-4M, C9300-NM-8X, C9300-NM-2Q, C9300-NM-2Y network modules)
- 208 Gbps switching capacity, 154.76 Mpps forwarding rate
- StackWise-480 stacking and StackPower for up to 8 switches
- UADP 2.0 ASIC with MACsec-256 and Cisco Trustworthy Solutions
- Enhanced Limited Lifetime Warranty (E-LLW)

## 02 Full specifications

| GENERAL | |
|---|---|
| Manufacturer part number | C9300-24S-A |
| Series | Catalyst 9300 |
| Switch type | Layer 3 (Cisco IOS XE) |
| License tier | Network Advantage (Cisco DNA / Catalyst subscription ordered separately) |

| PORTS | |
|---|---|
| Downlink ports | 24x 1G SFP fiber ports |
| Uplinks | Modular uplinks (C9300-NM-4G, C9300-NM-4M, C9300-NM-8X, C9300-NM-2Q, C9300-NM-2Y network modules) |

| PERFORMANCE | |
|---|---|
| Switching capacity | 208 Gbps |

| | |
|---|---|
| Forwarding rate | 154.76 Mpps |
| MAC address table | 32,000 |
| VLANs | 4,094 |
| Jumbo frames | 9,198 bytes |
| Routing scale | 32,000 IPv4 (24,000 direct + 8,000 indirect); 16,000 IPv6 |

## HARDWARE

| | |
|---|---|
| DRAM | 8 GB |
| Flash | 16 GB |
| Stacking | StackWise-480 (480 Gbps), up to 8 switches; StackPower |

## POWER

| | |
|---|---|
| Power supply | PWR-C1-715WAC-P (715W AC) platinum, field-replaceable, dual redundant slots, StackPower |

## PHYSICAL

| | |
|---|---|
| Form factor | 1U rack-mountable |
| Dimensions | 4.4 x 44.5 x 44.9 cm (1.73 x 17.5 x 17.7 in) |
| Weight | 7.64 kg (16.84 lb) |
| Cooling | Field-replaceable redundant fans |

## ENVIRONMENTAL

| | |
|---|---|
| Operating temperature | -5°C to +45°C |
| MTBF | 284,130 hours |

## WARRANTY

| | |
|---|---|
| Warranty | Enhanced Limited Lifetime Warranty (E-LLW) |

## 03 Engineered, delivered & supported by ServerInvest

**Engineering & sizing**
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