TECHNICAL DATASHEET

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# Cisco Catalyst 9300L 48-port Gigabit PoE+ switch, 4x 10G SFP+ uplinks, Network Essentials

Catalyst 9300L fixed-uplink enterprise access switch - 48x 10/100/1000 PoE+ ports, 4x 10G SFP+ uplinks, 505W PoE budget

SKU C9300L-48P-4X-E | 1U | Cisco

| DOWNLINK PORTS | SWITCHING CAPACITY | DIMENSIONS | PRICE |
|---|---|---|---|
| 48x 10/100/1000 PoE+ ports | 176 Gbps | 4.4 x 44.5 x 40.9 cm (1.73 x 17.5 x 16... | On request |

ISO 9001 · ISO 14001 · ISO 27001

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## 01 Product overview

The Cisco C9300L-48P-4X-E is a Catalyst 9300L fixed-uplink enterprise access switch that provides 48x 10/100/1000 PoE+ ports and 4x 1/10G SFP+ fixed uplinks, with a 505 W PoE+ (802.3at) power budget for phones, wireless access points and cameras. It delivers 176 Gbps of switching capacity and a forwarding rate of 130.95 Mpps, ensuring wire-speed performance for everyday business traffic.

The Catalyst 9300L delivers the Catalyst 9300 feature set - Cisco IOS XE, UADP 2.0 forwarding, SD-Access, MACsec and Catalyst Center automation - with fixed uplinks for deployments that do not need modular network modules. StackWise-320 stacking, field-replaceable platinum-rated power supplies and fans, and full Layer 3 routing make it a strong fit for enterprise wiring closets that want Catalyst 9300-class software at a lower entry point.

This part number ships with the Network Essentials software license; Network Essentials covers the Layer 2 and Layer 3 access feature set, with an upgrade path to Network Advantage. 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 where powered endpoints such as IP phones, Wi-Fi access points and security cameras need to be supported. ServerInvest supplies Cisco switching across Europe - contact us for pricing, availability and project quotes.

### KEY SPECIFICATIONS

| | |
|---|---|
| Manufacturer part number | **C9300L-48P-4X-E** |
| Series | **Catalyst 9300L** |
| Switch type | **Layer 3 (Cisco IOS XE)** |
| Downlink ports | **48x 10/100/1000 PoE+ ports** |
| Uplinks | **4x 1/10G SFP+ fixed uplinks** |
| PoE standard | **PoE+ (802.3at)** |
| PoE budget | **505 W (single default power supply)** |
| Switching capacity | **176 Gbps** |
| Forwarding rate | **130.95 Mpps** |
| MAC address table | **32,000** |
| VLANs | **4,094** |
| Jumbo frames | **9,198 bytes** |

### HIGHLIGHTS

- 48x 10/100/1000 PoE+ ports with 505 W PoE+ (802.3at) budget
- 4x 1/10G SFP+ fixed uplinks
- 176 Gbps switching capacity, 130.95 Mpps forwarding rate
- Catalyst 9300 software and security feature set with fixed uplinks
- StackWise-320 stacking of up to 8 switches
- Enhanced Limited Lifetime Warranty (E-LLW)

## 02 Full specifications

| GENERAL | |
|---|---|
| Manufacturer part number | C9300L-48P-4X-E |
| Series | Catalyst 9300L |
| Switch type | Layer 3 (Cisco IOS XE) |
| License tier | Network Essentials (Cisco DNA / Catalyst subscription ordered separately) |

| PORTS | |
|---|---|
| Downlink ports | 48x 10/100/1000 PoE+ ports |
| Uplinks | 4x 1/10G SFP+ fixed uplinks |

| POWER OVER ETHERNET | |
|---|---|
| PoE standard | PoE+ (802.3at) |

| | |
|---|---|
| PoE budget | 505 W (single default power supply) |

## PERFORMANCE

| | |
|---|---|
| Switching capacity | 176 Gbps |
| Forwarding rate | 130.95 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-320 (320 Gbps), up to 8 switches |

## 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 40.9 cm (1.73 x 17.5 x 16.1 in) chassis |
| Weight | 7.03 kg (15.46 lb) |
| Cooling | Field-replaceable redundant fans |

## ENVIRONMENTAL

| | |
|---|---|
| Operating temperature | -5°C to +45°C |
| MTBF | 309,020 hours |

## WARRANTY

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

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