TECHNICAL DATASHEET

CISCO · NETWORKING

# Cisco Catalyst 9200L 48-port Gigabit PoE+ switch, 4x 10G SFP+ uplinks, Network Essentials

Catalyst 9200L fixed-uplink campus access switch - 48x 10/100/1000 PoE+ ports, 4x 10G SFP+ uplinks, 740W PoE budget

SKU C9200L-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 28.8 cm (1.73 x 17.5 x 11... | On request |

ISO 9001 · ISO 14001 · ISO 27001

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## 01 Product overview

The Cisco C9200L-48P-4X-E is a Catalyst 9200L fixed-uplink campus access switch that provides 48x 10/100/1000 PoE+ ports and 4x 1/10G SFP+ fixed uplinks, with a 740 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 9200L variants keep the Cisco IOS XE software foundation of the Catalyst 9000 family while using fixed uplinks and a shallower chassis, making them a cost-optimised choice for wiring closets and branch offices. They support Layer 3 routing, StackWise-80 stacking, field-replaceable power supplies, Cisco DNA Center/Catalyst Center automation and the Cisco Trustworthy Solutions security stack, including secure boot and signed images.

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 | **C9200L-48P-4X-E** |
| Series | **Catalyst 9200L** |
| 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 | **740 W (single default power supply)** |
| Switching capacity | **176 Gbps** |
| Forwarding rate | **130.95 Mpps** |
| MAC address table | **16,000** |
| VLANs | **4,094** |
| Jumbo frames | **9,198 bytes** |

### HIGHLIGHTS

- 48x 10/100/1000 PoE+ ports with 740 W PoE+ (802.3at) budget
- 4x 1/10G SFP+ fixed uplinks
- 176 Gbps switching capacity, 130.95 Mpps forwarding rate
- Cisco IOS XE with Catalyst Center (DNA Center) automation and assurance
- StackWise-80 stacking of up to 8 switches
- Enhanced Limited Lifetime Warranty (E-LLW)

## 02 Full specifications

| GENERAL | |
|---|---|
| Manufacturer part number | C9200L-48P-4X-E |
| Series | Catalyst 9200L |
| 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 | 740 W (single default power supply) |

## PERFORMANCE

| | |
|---|---|
| Switching capacity | 176 Gbps |
| Forwarding rate | 130.95 Mpps |
| MAC address table | 16,000 |
| VLANs | 4,094 |
| Jumbo frames | 9,198 bytes |
| Routing scale | 11,000 IPv4 (ARP + learned); 3,000 IPv4 routing entries |

## HARDWARE

| | |
|---|---|
| DRAM | 2 GB |
| Flash | 4 GB |
| Stacking | StackWise-80 (80 Gbps), up to 8 switches |

## POWER

| | |
|---|---|
| Power supply | PWR-C5-1KWAC (1000W AC), field-replaceable, dual redundant slots (1440W PoE with two PSUs) |
| Power consumption (typical/system) | 63.49 W |
| Power consumption (maximum, incl. PoE load) | 872.6 W |

## PHYSICAL

| | |
|---|---|
| Form factor | 1U rack-mountable |
| Dimensions | 4.4 x 44.5 x 28.8 cm (1.73 x 17.5 x 11.3 in) |
| Weight | 4.80 kg (10.58 lb) |
| Cooling | Fixed redundant fans |

## ENVIRONMENTAL

| | |
|---|---|
| Operating temperature | -5°C to +45°C |
| MTBF | 346,270 hours |

## WARRANTY

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

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