TECHNICAL DATASHEET

CISCO · NETWORKING

Cisco Catalyst 9300L 48-port Gigabit/ Multigigabit UPOE switch, 2x 40G QSFP+ uplinks, Network Essentials

Catalyst 9300L fixed-uplink enterprise access switch - 48x Cisco UPOE ports, 2x 40G QSFP+ uplinks, 675W PoE budget

SKU C9300L-48UXG-2Q-E | 1U | Cisco

DOWNLINK PORTS	SWITCHING CAPACITY	DIMENSIONS	PRICE
48x Cisco UPOE ports: 12x Multigigabit...	472 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

REQUEST A QUOTATION ONLINE

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01 Product overview

The Cisco C9300L-48UXG-2Q-E is a Catalyst 9300L fixed-uplink enterprise access switch that provides 48x Cisco UPOE ports: 12x Multigigabit (100M-10G) + 36x 10/100/1000 and 2x 40G QSFP+ fixed uplinks, with a 675 W Cisco UPOE (60W) power budget for phones, wireless access points and cameras. It delivers 472 Gbps of switching capacity and a forwarding rate of 351.19 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-48UXG-2Q-E**
Series	**Catalyst 9300L**
Switch type	**Layer 3 (Cisco IOS XE)**
Downlink ports	**48x Cisco UPOE ports: 12x Multigigabit (100M-10G) + 36x 10/100/1000**
Uplinks	**2x 40G QSFP+ fixed uplinks**
PoE standard	**Cisco UPOE (60W)**
PoE budget	**675 W (single default power supply)**
Switching capacity	**472 Gbps**
Forwarding rate	**351.19 Mpps**
MAC address table	**32,000**
VLANs	**4,094**
Jumbo frames	**9,198 bytes**

HIGHLIGHTS

- 48x Cisco UPOE ports: 12x Multigigabit (100M-10G) + 36x 10/100/1000 with 675 W Cisco UPOE (60W) budget
- 2x 40G QSFP+ fixed uplinks
- 472 Gbps switching capacity, 351.19 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-48UXG-2Q-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 Cisco UPOE ports: 12x Multigigabit (100M-10G) + 36x 10/100/1000
Uplinks	2x 40G QSFP+ fixed uplinks

POWER OVER ETHERNET

PoE standard	Cisco UPOE (60W)
PoE budget	675 W (single default power supply)

PERFORMANCE

Switching capacity	472 Gbps
Forwarding rate	351.19 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-C1-1100WAC-P (1100W 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	7.65 kg (16.86 lb)
Cooling	Field-replaceable redundant fans

ENVIRONMENTAL

Operating temperature	-5°C to +45°C
MTBF	275,010 hours

WARRANTY

Warranty	Enhanced Limited Lifetime Warranty (E-LLW)

03 Engineered, delivered & supported by ServerInvest

Engineering & sizing
Selected and sized against your real IT load, room and redundancy targets.

Installation
Delivery, installation and commissioning by our engineers across Europe.

Certified processes
ISO 9001, ISO 14001 and ISO 27001 certified project delivery.

Service & support
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