TECHNICAL DATASHEET

CISCO · NETWORKING

Cisco Catalyst 9300LM 48-port Gigabit UPOE switch, 4x 25G SFP28 uplinks, Network Essentials

Catalyst 9300LM short-depth enterprise access switch with 25G uplinks - 48x 10/100/1000 Cisco UPOE ports, 4x 25G SFP28 uplinks, 790W PoE budget

SKU C9300LM-48U-4Y-E | 1U | Cisco

DOWNLINK PORTS	SWITCHING CAPACITY	DIMENSIONS	PRICE
48x 10/100/1000 Cisco UPOE ports	296 Gbps	4.4 x 44.5 x 33.1 cm (1.73 x 17.50 x 1...	On request

ISO 9001 · ISO 14001 · ISO 27001

REQUEST A QUOTATION ONLINE

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01 Product overview

The Cisco C9300LM-48U-4Y-E is a Catalyst 9300LM short-depth enterprise access switch with 25G uplinks that provides 48x 10/100/1000 Cisco UPOE ports and 4x 1/10/25G SFP28 fixed uplinks, with a 790 W Cisco UPOE (60W) power budget for phones, wireless access points and cameras. It delivers 296 Gbps of switching capacity and a forwarding rate of 220.22 Mpps, ensuring wire-speed performance for everyday business traffic.

The Catalyst 9300LM is a shorter-depth member of the Catalyst 9300 family with four fixed 25G SFP28 uplinks. It keeps the Cisco IOS XE software, UADP-based forwarding, SD-Access support, MACsec security and StackWise-320 stacking of its larger siblings, while its compact chassis suits shallow racks and space-constrained wiring closets.

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	**C9300LM-48U-4Y-E**
Series	**Catalyst 9300LM**
Switch type	**Layer 3 (Cisco IOS XE)**
Downlink ports	**48x 10/100/1000 Cisco UPOE ports**
Uplinks	**4x 1/10/25G SFP28 fixed uplinks**
PoE standard	**Cisco UPOE (60W)**
PoE budget	**790 W (single default power supply)**
Switching capacity	**296 Gbps**
Forwarding rate	**220.22 Mpps**
MAC address table	**32,000**
VLANs	**4,094**
Jumbo frames	**9,198 bytes**

HIGHLIGHTS

- 48x 10/100/1000 Cisco UPOE ports with 790 W Cisco UPOE (60W) budget
- 4x 1/10/25G SFP28 fixed uplinks
- 296 Gbps switching capacity, 220.22 Mpps forwarding rate
- Short-depth chassis with 4x 25G SFP28 uplinks
- StackWise-320 stacking of up to 8 switches
- Enhanced Limited Lifetime Warranty (E-LLW)

02 Full specifications

GENERAL	
Manufacturer part number	C9300LM-48U-4Y-E
Series	Catalyst 9300LM
Switch type	Layer 3 (Cisco IOS XE)
License tier	Network Essentials (Cisco DNA / Catalyst subscription ordered separately)

PORTS	
Downlink ports	48x 10/100/1000 Cisco UPOE ports
Uplinks	4x 1/10/25G SFP28 fixed uplinks

POWER OVER ETHERNET	
PoE standard	Cisco UPOE (60W)

PoE budget	790 W (single default power supply)

PERFORMANCE

Switching capacity	296 Gbps
Forwarding rate	220.22 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-C6-1KWAC (1000W AC), field-replaceable, dual redundant slots

PHYSICAL

Form factor	1U rack-mountable
Dimensions	4.4 x 44.5 x 33.1 cm (1.73 x 17.50 x 13.03 in) chassis
Weight	5.45 kg (12 lb)
Cooling	Field-replaceable redundant fans

ENVIRONMENTAL

Operating temperature	-5°C to +45°C
MTBF	304,970 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
Maintenance, spare parts and support from a single partner.

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Interested in this solution?

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