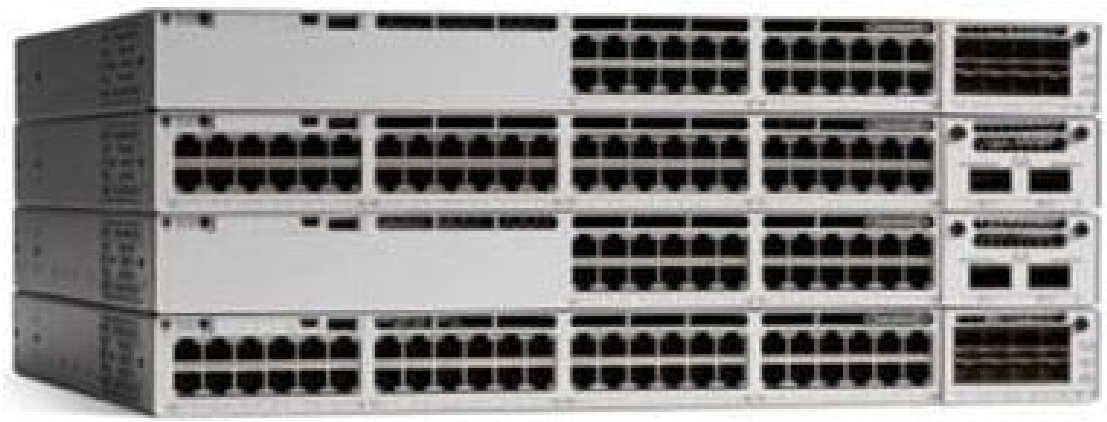
TECHNICAL DATASHEET

CISCO · NETWORKING

Cisco Catalyst 9300 48-port Gigabit PoE+ switch, modular uplinks, Network Advantage

Catalyst 9300 stackable enterprise access switch - 48x 10/100/1000 PoE+ ports, modular uplinks, 437W PoE budget

SKU C9300-48P-A | 1U | Cisco



DOWNLINK PORTS	SWITCHING CAPACITY	DIMENSIONS	PRICE
48x 10/100/1000 PoE+ ports	256 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 C9300-48P-A is a Catalyst 9300 stackable enterprise access switch that provides 48x 10/100/1000 PoE+ ports and modular uplinks (C9300-NM-4G, C9300-NM-4M, C9300-NM-8X, C9300-NM-2Q, C9300-NM-2Y network modules), with a 437 W PoE+ (802.3at) power budget for phones, wireless access points and cameras. It delivers 256 Gbps of switching capacity and a forwarding rate of 190.47 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 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...

KEY SPECIFICATIONS

Manufacturer part number	**C9300-48P-A**
Series	**Catalyst 9300**
Switch type	**Layer 3 (Cisco IOS XE)**
Downlink ports	**48x 10/100/1000 PoE+ ports**
PoE standard	**PoE+ (802.3at)**
PoE budget	**437 W (single default power supply)**
Switching capacity	**256 Gbps**
Forwarding rate	**190.47 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**

HIGHLIGHTS

- 48x 10/100/1000 PoE+ ports with 437 W PoE+ (802.3at) budget
- Modular uplinks (C9300-NM-4G, C9300-NM-4M, C9300-NM-8X, C9300-NM-2Q, C9300-NM-2Y network modules)
- 256 Gbps switching capacity, 190.47 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	C9300-48P-A
Series	Catalyst 9300
Switch type	Layer 3 (Cisco IOS XE)
License tier	Network Advantage (Cisco DNA / Catalyst subscription ordered separately)

PORTS	
Downlink ports	48x 10/100/1000 PoE+ ports
Uplinks	Modular uplinks (C9300-NM-4G, C9300-NM-4M, C9300-NM-8X, C9300-NM-2Q, C9300-NM-2Y network modules)

POWER OVER ETHERNET

PoE standard	PoE+ (802.3at)
PoE budget	437 W (single default power supply)

PERFORMANCE

Switching capacity	256 Gbps
Forwarding rate	190.47 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 40.9 cm (1.73 x 17.5 x 16.1 in)
Weight	7.59 kg (16.73 lb)
Cooling	Field-replaceable redundant fans

ENVIRONMENTAL

Operating temperature	-5°C to +45°C
MTBF	277,770 hours

WARRANTY

Warranty	Enhanced Limited Lifetime Warranty (E-LLW)

03 Engineered, delivered & supported by ServerInvest

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