

TECHNICAL DATASHEET

CISCO · NETWORKING

Cisco Catalyst 9300 24-port Multigigabit UPOE switch, modular uplinks, Network Essentials

Catalyst 9300 stackable enterprise access switch - 24x Multigigabit (100M/1G/2.5G/5G/10G) Cisco UPOE ports, deep buffer, modular uplinks, 560W PoE budget

SKU C9300-24UXB-E

1U

Cisco



DOWNLINK PORTS

24x Multigigabit (100M/
1G/2.5G/5G/10G)...

SWITCHING CAPACITY

640 Gbps

DIMENSIONS

4.4 x 44.5 x 43.4 cm (1.73
x 17.5 x 17...

PRICE

On request



REQUEST A QUOTATION ONLINE

serverinvest.com/product/cisco-c9300-24uxb-e



01 Product overview

The Cisco C9300-24UXB-E is a Catalyst 9300 stackable enterprise access switch that provides 24x Multigigabit (100M/1G/2.5G/5G/10G) Cisco UPOE ports, deep buffer and modular uplinks (C9300-NM-4G, C9300-NM-4M, C9300-NM-8X, C9300-NM-2Q, C9300-NM-2Y network modules), with a 560 W Cisco UPOE (60W) power budget for phones, wireless access points and cameras. It delivers 640 Gbps of switching capacity and a forwarding rate of 476.19 Mpps, ensuring wire-speed performance for everyday business traffic. Deep-buffer (B) model with higher scale.

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 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...

HIGHLIGHTS

- 24x Multigigabit (100M/1G/2.5G/5G/10G) Cisco UPOE ports, deep buffer with 560 W Cisco UPOE (60W) budget
- Modular uplinks (C9300-NM-4G, C9300-NM-4M, C9300-NM-8X, C9300-NM-2Q, C9300-NM-2Y network modules)
- 640 Gbps switching capacity, 476.19 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	C9300-24UXB-E
Series	Catalyst 9300
Switch type	Layer 3 (Cisco IOS XE)
License tier	Network Essentials (Cisco DNA / Catalyst subscription ordered separately)
Notes	Deep-buffer (B) model with higher scale

PORTS

Downlink ports	24x Multigigabit (100M/1G/2.5G/5G/10G) Cisco UPOE ports, deep buffer
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KEY SPECIFICATIONS

Manufacturer part number	C9300-24UXB-E
Series	Catalyst 9300
Switch type	Layer 3 (Cisco IOS XE)
Notes	Deep-buffer (B) model with higher scale
Downlink ports	24x Multigigabit (100M/1G/2.5G/5G/10G) Cisco UPOE ports, deep buffer
PoE standard	Cisco UPOE (60W)
PoE budget	560 W (single default power supply)
Switching capacity	640 Gbps
Forwarding rate	476.19 Mpps
MAC address table	32,000
VLANs	4,094
Jumbo frames	9,198 bytes

Uplinks	Modular uplinks (C9300-NM-4G, C9300-NM-4M, C9300-NM-8X, C9300-NM-2Q, C9300-NM-2Y network modules)
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POWER OVER ETHERNET

PoE standard	Cisco UPOE (60W)
PoE budget	560 W (single default power supply)

PERFORMANCE

Switching capacity	640 Gbps
Forwarding rate	476.19 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-480 (480 Gbps), up to 8 switches; StackPower

POWER

Power supply	PWR-C1-1100WAC-P (1100W AC) platinum, field-replaceable, dual redundant slots, StackPower
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PHYSICAL

Form factor	1U rack-mountable
Dimensions	4.4 x 44.5 x 43.4 cm (1.73 x 17.5 x 17.1 in)
Weight	8.25 kg (18.18 lb)
Cooling	Field-replaceable redundant fans

ENVIRONMENTAL

Operating temperature	-5°C to +45°C
MTBF	288,520 hours

WARRANTY

Warranty	Enhanced Limited Lifetime Warranty (E-LLW)
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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.

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