TECHNICAL DATASHEET

CISCO · NETWORKING

Cisco Catalyst 9300 48-port Gigabit switch, modular uplinks, Network Essentials

Catalyst 9300 stackable enterprise access switch - 48x 10/100/1000 RJ-45 data ports, modular uplinks

SKU C9300-48T-E | 1U | Cisco

DOWNLINK PORTS	SWITCHING CAPACITY	DIMENSIONS	PRICE
48x 10/100/1000 RJ-45 data 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

REQUEST A QUOTATION ONLINE

serverinvest.com/product/cisco-c9300-48t-e

01 Product overview

The Cisco C9300-48T-E is a Catalyst 9300 stackable enterprise access switch that provides 48x 10/100/1000 RJ-45 data ports and modular uplinks (C9300-NM-4G, C9300-NM-4M, C9300-NM-8X, C9300-NM-2Q, C9300-NM-2Y network modules). 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 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. ServerInvest supplies Cisco switching across Europe - contact us for pricing, availability and project quotes.

KEY SPECIFICATIONS

Manufacturer part number	**C9300-48T-E**
Series	**Catalyst 9300**
Switch type	**Layer 3 (Cisco IOS XE)**
Downlink ports	**48x 10/100/1000 RJ-45 data ports**
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**
DRAM	**8 GB**
Flash	**16 GB**

HIGHLIGHTS

- 48x 10/100/1000 RJ-45 data ports
- 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	C9300-48T-E
Series	Catalyst 9300
Switch type	Layer 3 (Cisco IOS XE)
License tier	Network Essentials (Cisco DNA / Catalyst subscription ordered separately)

PORTS	
Downlink ports	48x 10/100/1000 RJ-45 data ports
Uplinks	Modular uplinks (C9300-NM-4G, C9300-NM-4M, C9300-NM-8X, C9300-NM-2Q, C9300-NM-2Y network modules)

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-C1-350WAC-P (350W 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	7.45 kg (16.43 lb)
Cooling	Field-replaceable redundant fans

ENVIRONMENTAL

Operating temperature	-5°C to +45°C
MTBF	305,870 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.

Interested in this solution?

Request a quotation online or talk to a solutions engineer — we reply within one business day.
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