C9200L-24T-4X-E Datasheet

Overview

C9200L-24T-4X-E is the Catalyst 9200L 24-port Data 4x10G uplink Switch, with Network Essentials software. Cisco® Catalyst® 9200 Series switches extend the power of intent-based networking and Catalyst 9000 hardware and software innovation to a broader set of deployments. With its family pedigree, Catalyst 9200 Series switches offer simplicity without compromise – it is secure, always on, and IT simplified.

Quick Spec

Table 1 shows the quick spec.

Model	C9200L-24T-4X-E
Downlinks total 10/100/1000 or PoE+ copper ports	24 ports data
Uplink configuration	4x 10G fixed uplinks
Default primary AC power supply	PWR-C5-125WAC
Fans	Fixed redundant
Software	Network Essentials
Stacking bandwidth	80 Gbps
DRAM	2 GB
Flash	4 GB
Switching capacity	128 Gbps
Forwarding rate	190.4 Mpps
Chassis Dimensions	1.73 x 17.5 x 11.3 in 4.4 x 44.5 x 28.8 cm

Product Details

Catalyst 9200 series provides these highlights:

- Up to 48 ports of full Power over Ethernet Plus (PoE+) capability

- Resiliency with Field-Replaceable Units (FRU) and redundant power supply, fans, and modular uplinks

- Flexible downlink options with data or PoE+

- Operational efficiency with optional backplane stacking, supporting stacking bandwidth up to 160 Gbps

- UADP 2.0 Mini with integrated CPU offers customers optimized scale with better cost structure

- Enhanced security with AES-128 MACsec encryption, policy-based segmentation, and trustworthy systems

- Layer 3 capabilities, including OSPF, EIGRP, ISIS, RIP, and routed access

- Advanced network monitoring using Full Flexible NetFlow

- Cisco Software-Defined Access (SD-Access):

  ○ Simplified operations and deployment with policy-based automation from edge to cloud managed with Cisco Identity Services Engine (ISE)

  ○ Network assurance and improved resolution time through Cisco DNA Center™

- Plug and Play (PnP) enabled: A simple, secure, unified, and integrated offering to ease new branch or campus device rollouts or updates to an existing network

- Cisco IOS XE: A Common Licensing based operating system for the enterprise Cisco Catalyst 9000 product family with support for model-driven programmability and streaming telemetry

- ASIC with programmable pipeline and micro-engine capabilities, along with template-based, configurable allocation of Layer 2 and Layer 3 forwarding, Access Control Lists (ACLs), and Quality of Service (QoS) entries

Supported Products

Table 2 shows the recommended supported products.

StackWise-80 and StackWise-160 Kit and cables	
Product number	**Product description**
C9200-STACK-KIT=	C9200 Stack Kit Spare
C9200L-STACK-KIT=	C9200L Stack Kit Spare
STACK-T4-50CM	50CM Type 3 Stacking Cable
STACK-T4-1M	1M Type 3 Stacking Cable
STACK-T4-3M	3M Type 3 Stacking Cable
Power supplies	
Product Number	**Product Description**
PWR-C5-125WAC/2=	125WAC power supply spare

Compare to Similar Items

Table 3 shows the comparison.

Product number	Product description
C9200L-24T-4X-A	Catalyst 9200L 24-port Data 4x10G uplink Switch, Network Advantage
C9200L-24T-4X-E	Catalyst 9200L 24-port Data 4x10G uplink Switch, Network Essentials
C9200L-24P-4X-A	Catalyst 9200L 24-port PoE+ 4x10G uplink Switch, Network Advantage
C9200L-24P-4X-E	Catalyst 9200L 24-port PoE+ 4x10G uplink Switch, Network Essentials

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Specification

C9200L-24T-4X-E Specification	
Downlinks total 10/100/1000 or PoE+ copper ports	24 ports data
Uplink configuration	4x 10G fixed uplinks
Default primary AC power supply	PWR-C5-125WAC
Fans	Fixed redundant
Software	Network Essentials
Chassis Dimensions	1.73 x 17.5 x 11.3 in 4.4 x 44.5 x 28.8 cm
Virtual Networks	1
Stacking bandwidth	80 Gbps

Total number of MAC addresses	16,000
Total number of IPv4 routes (ARP plus learned routes)	11,000 (8,000 direct routes and 3,000 indirect routes)
IPv4 routing entries	3,000
IPv6 routing entries	1,500
Multicast routing scale	1,000
QoS scale entries	1,000
ACL scale entries	1,500
Packet buffer per SKU	6 MB buffers for 24- or 48-port Gigabit Ethernet models
Flexible NetFlow (FNF) entries	16,000 flows on 24- and 48-port Gigabit Ethernet models
DRAM	2 GB
Flash	4 GB
VLAN IDs	1024
Total Switched Virtual Interfaces (SVIs)	512
Jumbo frames	9198 bytes
Wireless bandwidth per switch	N/A
Switching capacity	128 Gbps
Forwarding rate	190.4 Mpps
Mean time between failures (hours)	525,990