

C9200L-24T-4G-E Datasheet

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Overview

C9200L-24T-4G-E is the Catalyst 9200L 24-port Data 4x1G 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-4G-E |
| Downlinks total 10/100/1000 or PoE+ copper ports | 24 ports data |
| Uplink configuration | 4x 1G 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 | 56 Gbps |
| Forwarding rate | 83.33 Mpps |
| Chassis Dimensions | 1.73 x 17.5 x 11.3 in 4.4 x 44.5 x 28.8 cm |
| Weight | 15.07 Kg |

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

The Accessories

Table 2 shows the recommended elements for theC9300-24P-A.

| Product number | Description |
|--|---|
| C9300-NM-4G | 9300 Series 4x 1G Network Module |
| C9300-NM-4G= | Catalyst 9300 4 x 1GE Network Module, spare |
| C9300-NM-8X | 9300 Series 8x 10G Network Module |
| C9300-NM-8X= | Catalyst 9300 8 x 10GE Network Module, spare |
| C9300-NM-2Q | 9300 Series 2x 40G Network Module |
| C9300-NM-2Q= | Catalyst 9300 2 x 40GE Network Module, spare |
| C9300-NM-4M | 9300 Series 4x Multigigabit Network Module |
| C9300-NM-4M= | Catalyst 9300 4 x MGig Network Module, spare |
| | |
| Product Description | Catalyst 9300 48-port UPOE, Network Advantage |
| Product | Code C9300-48U-A |
| Total 10/100/1000 or Multigigabit copper ports | 48 Cisco UPOE |
| Default AC power supply | 1100W AC |
| Available PoE power | 822W |
| Dimensions (H x W x D) | 1.73 x 17.5 x 17.5 Inches |

Compare to Similar Items

Table 3 shows the comparison.

| Model | Description |
|-----------------------------|---|
| C9200-48T-A | Catalyst 9200 48-port Data Switch, Network Advantage |
| C9200-48T-E | Catalyst 9200 48-port Data Switch, Network Essentials |
| C9200-48P-A | Catalyst 9200 48-port PoE+ Switch, Network Advantage |
| C9200-48P-E | Catalyst 9200 48-port PoE+ Switch, Network Essentials |

Specification

| C9200L-24T-4G-E Specification | |
|--|---|
| Downlinks total 10/100/1000 or PoE+ copper ports | 24 ports data |
| Uplink configuration | 4x 1G 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 |
| Weight | 4.35 Kg |

| | |
|---|---|
| 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 | 56 Gbps |
| Forwarding rate | 83.33 Mpps |
| Mean time between failures (hours) | 531,030 |

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