

C9200L-48P-4G-E Datasheet

Overview

C9200L-48P-4G-E is the Catalyst 9200L 48 ports full POE+ 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-48P-4G-E |
| Downlinks total 10/100/1000 or PoE+ copper ports | 48 ports full POE+ |
| Uplink configuration | 4x 1G fixed uplinks |
| Default primary AC power supply | PWR-C5-1KWAC |
| Fans | Fixed redundant |
| Software | Network Essentials |
| Stacking bandwidth | 80 Gbps |
| DRAM | 2 GB |
| Flash | 4 GB |
| Switching capacity | 104 Gbps |
| Forwarding rate | 154.76 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

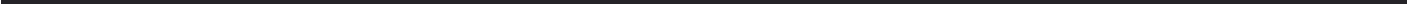
Table 2 shows the recommended supported products.

| | |
|---|----------------------------|
| 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-C5-1KWAC/2= | 1000WAC power supply spare |

Compare to Similar Items

Table 3 shows the comparison.

| | |
|-----------------|--|
| Product number | Product description |
| C9200L-48T-4G-A | Catalyst 9200L 48-port Data 4x1G uplink Switch, Network Advantage |
| C9200L-48T-4G-E | Catalyst 9200L 48-port Data 4x1G uplink Switch, Network Essentials |
| C9200L-48P-4G-A | Catalyst 9200L48-port PoE+ 4x1G uplink Switch, Network Advantage |
| C9200L-48P-4G-E | Catalyst 9200L48-port PoE+ 4x1G uplink Switch, Network Essentials |



| | |
|--|---|
| C9200L-48P-4G-E Specification | |
| Downlinks total 10/100/1000 or PoE+ copper ports | 48 ports full POE+ |
| Uplink configuration | 4x 1G fixed uplinks |
| Default primary AC power supply | PWR-C5-1KWAC |
| 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 | 104 Gbps |
| Forwarding rate | 154.76 Mpps |
| Mean time between failures (hours) | 347,760 |