

C9200L-24P-4X-E



**C9200L-24P-4X-E** is the Catalyst 9200L 24 ports full PoE+ 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-24P-4X-E                               |
| Downlinks total 10/100/1000 or PoE+ copper ports | 24 ports full PoE+                            |
| Uplink configuration                             | 4x 10G fixed uplinks                          |
| Default primary AC power supply                  | PWR-C5-600WAC                                 |
| 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<br>4.4 x 44.5 x 28.8 cm |
| Weight                                           | 4.35 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 Control Lists (ACLs), and Quality of Service (QoS) entries
- Control Lists (ACLs), and Quality of Service (QoS) entries

# Datasheet



## Specification



| C9200L-24P-4X-E<br>Specification                      |                                                         |
|-------------------------------------------------------|---------------------------------------------------------|
| Downlinks total 10/100/1000 or PoE+ copper ports      | 24 ports full PoE+                                      |
| Uplink configuration                                  | 4x 10G fixed uplinks                                    |
| Default primary AC power supply                       | PWR-C5-600WAC                                           |
| Fans                                                  | Fixed redundant                                         |
| Software                                              | Network Essentials                                      |
| Chassis Dimensions                                    | 1.73 x 17.5 x 11.3 in<br>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                                              | 4094                                                    |
| Total Switched Virtual Interfaces (SVIs)              | 512                                                     |

# Datasheet



|                                    |            |
|------------------------------------|------------|
| Jumbo frames                       | 9198 bytes |
| Wireless bandwidth per switch      | N/A        |
| Switching capacity                 | 128 Gbps   |
| Forwarding rate                    | 190.4 Mpps |
| Mean time between failures (hours) | 390,310    |

## 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-4G-A | Catalyst 9200L 24-port Data 4x1G uplink Switch, Network Advantage   |
| C9200L-24T-4G-E | Catalyst 9200L 24-port Data 4x1G uplink Switch, Network Essentials  |
| 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-4G-A | Catalyst 9200L 24-port PoE+ 4x1G uplink Switch, Network Advantage   |
| C9200L-24P-4G-E | Catalyst 9200L 24-port PoE+ 4x1G 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 |