Cisco Catalyst C9300L-24U-4X-E

24-Port UPOE, 4x 10G SFP+ Uplinks, Network Essentials

CATALYST 9300L SERIES
Enterprise Access Switch

Product Overview

The **Cisco Catalyst C9300L-24U-4X-E** is a high-performance enterprise-class access switch designed for secure, cloud-ready, and high-density power deployments. Featuring 24 10/100/1000 Mbps Cisco UPOE (Universal Power over Ethernet) ports delivering up to 60W per port alongside 4 fixed 10G SFP+ uplinks, this model represents the ideal solution for modern digital workspaces requiring high-speed connectivity for Wi-Fi 6/6E Access Points, smart building IoT controls, IP surveillance, and high-end desktop hardware.

24 Ports
ACCESS PORTS
10/100/1000 Ethernet with Cisco UPOE (60W)

4x 10G
FIXED UPLINKS
10 Gigabit SFP+ high-speed interfaces

128 Gbps
SWITCH CAPACITY
Up to 320 Gbps with StackWise-320

880W
MAX POE BUDGET
Default 437W, expandable with dual PSUs

Technical & Performance Specifications

Specification Class	Technical Details
Model SKU	**C9300L-24U-4X-E**
Total Network Ports	24x 10/100/1000 Ethernet Ports + 4x 10G SFP+ Uplinks
Power over Ethernet (PoE)	Cisco UPOE (Universal PoE - IEEE 802.3bt Type 3 compatible, up to 60W per port)
PoE Power Budget	**437W** (Default with single 715W AC PSU) / **880W** (With secondary dual PSU configuration)
Switching Bandwidth	128 Gbps (Standalone) / 160 Gbps (Stacking Bandwidth: 320 Gbps)
Forwarding Rate	95.23 Mpps (Million Packets Per Second)
Stacking Capability	Supported via optional StackWise-320 kit (Up to 8 units per stack)
System Memory	8 GB DRAM | 16 GB Flash Memory
MAC Address Table	32,000 entries
Routing Table Entries	11,000 IPv4 / 5,500 IPv6 routes
Software License	**Network Essentials (-E)** (Base Layer 2/3 routing, telemetry, and security)

Key Architectural Advantages

- **Universal PoE (UPOE - 60W):** Delivers up to 60W per port to power enterprise Wi-Fi 6 access points, PTZ security cameras, smart lighting, and IP turrets without extra cabling.

Software Features (Network Essentials)

- **Layer 2 & Layer 3 Routing:** Standard VLANs, Trunking, STP, along with Static Routing, RIP, and OSPF Routed Access (up to 1000 routes).

- **Fixed High-Speed Uplinks:** Built-in 4x 10G SFP+ uplinks simplify aggregation to core switches without requiring modular expansion cards.
- **StackWise-320 Technology:** Enables physical stacking of up to 8 switches into a single logical management unit with 320 Gbps backplane bandwidth.
- **High Availability & Resiliency:** Supports dual redundant power supplies and field-replaceable fans (3 modular fan units).
- **Advanced Security:** IEEE 802.1X authentication, Access Control Lists (ACLs), DHCP Snooping, Dynamic ARP Inspection (DAI), and IP Source Guard.
- **Network Automation:** Cisco DNA Center ready, NETCONF/RESTCONF API support, and model-driven telemetry.
- **Quality of Service (QoS):** 8 egress queues per port, strict priority queuing, and granular traffic shaping.

Physical, Power & Environmental Specs

Dimensions (H x W x D)	1.73 x 17.5 x 17.5 inches (4.4 x 44.5 x 44.5 cm) - 1RU Rack Mountable
Weight	approx. 6.81 kg (15.0 lbs) with standard single power supply
Power Supply Options	PWR-C1-715WAC-P (Default), PWR-C1-1100WAC-P, or PWR-C1-1900WAC-P
Operating Temperature	-5°C to 45°C (23°F to 113°F) at sea level
Relative Humidity	5% to 90% (non-condensing)
MTBF (Mean Time Between Failures)	301,920 hours

Ordering Information & Recommended Accessories

C9300L-24U-4X-E	Catalyst 9300L 24-port UPOE, 4x10G Uplink, Network Essentials
C9300L-STACK-KIT=	StackWise-320 Stacking Kit for Catalyst 9300L (Includes 2 Adapters and 1 Stacking Cable)
STACK-T3-50CM=	Cisco StackWise-320 50cm Stacking Cable
PWR-C1-715WAC-P=	715W AC Config 1 Power Supply (Secondary power module for full UPOE budget)
SFP-10G-SR=	10GBASE-SR SFP+ Module for Multi-Mode Fiber Uplinks