CISCO CATALYST 9300L SERIES

C9300L-48UXM-4X-A

48-Port Multigigabit UPOE | 4x 10G SFP+ Uplinks | Network Advantage

NETWORK ADVANTAGE

48 Ports	392 Gbps	60W UPOE	320 Gbps
36X 2.5G + 12X 10G MGIG	SWITCHING BANDWIDTH	PER PORT POWER	STACKWISE STACKING

PRODUCT OVERVIEW

The **Cisco Catalyst C9300L-48UXM-4X-A** is a flagship fixed-uplink enterprise access switch designed for high-density Wi-Fi 6/6E deployments, smart building IoT devices, and high-performance workstation connectivity. Powered by the Cisco **UADP 2.0 ASIC**, this switch offers multi-gigabit capabilities, advanced layer 3 routing, end-to-end security, and seamless integration with Cisco SD-Access architecture.

Key Value Proposition

Provides high-density Multigigabit ports (100M/1G/2.5G/5G/10G) with up to 60W Cisco UPOE per port, backed by 4x 10G SFP+ fixed uplinks and the comprehensive Network Advantage feature set.

TECHNICAL & HARDWARE SPECIFICATIONS

SYSTEM ARCHITECTURE & PORT CONFIGURATION	
Product Code (PID)	C9300L-48UXM-4X-A
Downlink Ports	48 Total Ports: • **36x** 100M / 1G / 2.5G Multigigabit Ethernet • **12x** 100M / 1G / 2.5G / 5G / 10G Multigigabit Ethernet
Uplink Configuration	4x 10 Gigabit Ethernet SFP+ (Fixed Uplinks)
PoE Capability	Cisco UPOE (Up to 60W per port), IEEE 802.3at (PoE+ 30W), IEEE 802.3af (PoE 15.4W)
Switching Capacity	**392 Gbps** (Standalone) / **712 Gbps** (with Stacking)
Forwarding Rate	**291.66 Mpps** (Standalone) / **529.76 Mpps** (with Stacking)
Stacking Architecture	StackWise-320 (Up to 320 Gbps stacking bandwidth, max 8 units per stack)
Processor & Memory	x86 CPU Complex | 8 GB DRAM | 16 GB Flash Memory
ASIC Architecture	Cisco UADP 2.0 (Unified Access Data Plane) with programmable pipeline

POWER & ENVIRONMENTAL SPECIFICATIONS

POWER SUPPLY & PHYSICAL DETAILS	
Default Power Supply	1100W AC Power Supply (PWR-C1-1100WAC-P)
Power Redundancy	Dual Hot-Swappable Power Supplies (1+1 Redundant / Power Pooling)
Available PoE Budget	675W (Default Primary Power Supply) / Up to 1590W with Secondary Power Supply
Fan Redundancy	3x Field-Replaceable Hot-Swappable Fan Modules (FRU)
Dimensions (H x W x D)	1.73 x 17.5 x 19.2 inches (4.4 x 44.5 x 48.8 cm) - 1RU Chassis
System Weight	16.86 lbs (7.65 kg)
MTBF (Mean Time Between Failures)	273,820 Hours
Operating Temperature	-5°C to 45°C (23°F to 113°F) up to 5000 ft

SOFTWARE FEATURES (NETWORK ADVANTAGE LICENSE)

The **Network Advantage** license tier provides enterprise-grade Layer 3 routing, end-to-end SD-Access segmentation, advanced automation, and full telemetry features.

FEATURE CATEGORY	CAPABILITIES & PROTOCOLS SUPPORTED
Layer 3 Routing	OSPFv2/v3, BGPv4/v6, EIGRP, IS-IS, Policy-Based Routing (PBR), VRF-Lite, RIPv1/v2, PIM (SM/DM/SSM)
Software-Defined Access (SD-Access)	Border Node, Control Plane Node, Fabric Edge Node, Host Unicast/Multicast, Up to 256 Virtual Networks
Security & TrustSec	IEEE 802.1X, MACsec-128, Encrypted Traffic Analytics (ETA), Security Group Tags (SGT), Dynamic ARP Inspection, IP Source Guard
High Availability	Non-Stop Forwarding with Stateful Switchover (NSF/SSO), Cross-Stack EtherChannel, Spanning Tree (MSTP/RSTP/PVST+)
Automation & Telemetry	Flexible NetFlow (FNF v10), NETCONF, RESTCONF, YANG models, Python scripting, Cisco DNA Center management
Scalability Limits	32,000 MAC Addresses | 32,000 IPv4 Routes | 16,000 IPv6 Routes | 4,094 VLAN IDs | 5,120 ACL Entries

ORDERING INFORMATION & ACCESSORIES

PART NUMBER (SKU)	ITEM DESCRIPTION
C9300L-48UXM-4X-A	Catalyst 9300L 48-port mGig UPOE, 4x 10G Uplinks, Network Advantage
PWR-C1-1100WAC-P	1100W AC Config 1 Power Supply (Default Secondary / Replacement)
PWR-C1-715WAC-P	715W AC Config 1 Power Supply Option

PART NUMBER (SKU)	ITEM DESCRIPTION
C9300L-STACK-KIT=	Cisco StackWise-320 Stacking Kit for Catalyst 9300L (Includes 2 Adapters & Cable)
STACK-T3-50CM=	Cisco StackWise-320 50cm Stacking Cable
SFP-10G-SR	10GBASE-SR SFP+ Transceiver Module for Multi-mode Fiber