

C9300-48UXM-E Datasheet

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Overview

C9300-48UXM-E is the Catalyst 9300 switch, providing 48-port 2.5G (12 MGig) UPOE, and Network Essentials. Cisco® Catalyst® 9300 Series Switches are Cisco's lead stackable enterprise switching platform built for security, IoT, mobility, and cloud. They are the next generation of the industry's most widely deployed switching platform. The Catalyst 9300 Series switches form the foundational building block for Software-Defined Access (SD-Access), Cisco's lead enterprise architecture. At 480 Gbps, they are the industry's highest-density stacking bandwidth solution with the most flexible uplink architecture. The Catalyst 9300 Series is the first optimized platform for high-density 802.11ac Wave2. It sets new maximums for network scale. These switches are also ready for the future, with an x86 CPU architecture and more memory, enabling them to host containers and run third-party applications and scripts natively within the switch.

Quick Spec

Model	C9300-48UXM-E
Total 10/100/1000 or Multigigabit copper ports	36x 100 Mbps, 1G, 2.5G + 12x Multigigabit (100M, 1G, 2.5G, 5G, or 10 Gbps)
Default AC power supply	1100W AC
Available PoE power	490W
Cisco StackWise-480	Yes
Cisco Stack Power	Yes
Switching capacity	580 Gbps
Stacking bandwidth	480 Gbps
Total number of MAC addresses	32,000
DRAM	8 GB
Flash	16 GB
Dimensions (H x W x D) Inches	Chassis only: 1.73 x 17.5 x 19.1 W/ Default Power Supply: 1.73 x 17.5 x 22.2 W/ 1100W Power Supply: 1.73 x 17.5 x 22.2

The Options

Model	Description
C9300-NM-4G	9300 Series 4x 1G Network Module
C9300-NM-4M	9300 Series 4 x Multigigabit Network Module
C9300-NM-8X	9300 Series 8x 10G Network Module
C9300-NM-2Q	9300 Series 2x 40G Network Module
C9300-NM-2Y	9300 Series 2x 25G Network Module
STACK-T1-50CM=	50CM Type 3 Stacking Cable
STACK-T1-1M=	1M Type 3 Stacking Cable
STACK-T1-3M=	3M Type 3 Stacking Cable
SSD-120G	Cisco pluggable USB3.0 SSD storage

Compare to Similar Item

Model	C9300-48UXM-E	C9300-24UX-E
Total 10/100/1000 or Multigigabit copper ports	36x 100 Mbps, 1G, 2.5G + 12x Multigigabit (100M, 1G, 2.5G, 5G, or 10 Gbps)	24 Multigigabit Cisco UPOE (100M, 1G, 2.5G, 5G, or 10 Gbps)
Default AC power supply	1100W AC	1100W AC
Available PoE power	490W	560W
Cisco StackWise-480	Yes	Yes
Cisco Stack Power	Yes	Yes

Specification

C9300-48UXM-E Specification	
General	
Device Type	Switch - 48 ports - L3 - managed - stackable
Enclosure Type	Rack-mountable 1U
Subtype	2.5 Gigabit Ethernet
Ports	36 x 2.5GBase-T (UPOE) + 12 x 100/1000/2.5G/5G/10G (UPOE)
Power Over Ethernet (PoE)	UPOE
PoE Budget	490 W
Performance	Switching capacity: 580 Gbps Stacking bandwidth: 480 Gbps Forwarding rate: 431.54 Mpps
Capacity	IPv4 routing table entries: 32000 IPv6 routing table entries: 16000 Flexible Net Flow entries: 64000 VLAN IDs: 4000 Switched virtual interfaces (SVIs): 2000
MAC Address Table Size	32000 entries
Jumbo Frame Support	9198 bytes
Routing Protocol	OSPF, IS-IS, RIP-1, RIP-2, IGMP, VRRP, PIM-SM, OSPFv3, PIM-SSM, policy-based routing (PBR), RIPvng
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, SNMP 3, SNMP 2c, CLI, NETCONF, RESTCONF
Encryption Algorithm	128-bit AES

C9300-48UXM-E Specification

Features	Trunking, full duplex mode, Weighted Random Early Detection (WRED), Spanning Tree Protocol (STP) support, Access Control List (ACL) support, Quality of Service (QoS), Remote Switch Port Analyzer (RSPAN), Management Information Base (MIB), Cisco StackWise-480 technology, Cisco Stack Power technology, Flexible Net Flow (FNF), 802.1x authentication, 16MB packet buffer, FTP client, 3 fans, Control plane protection (CoPP), Source-Specific Multicast (SSM), integrated Wires hark, VLAN Double Tagging (Q-in-Q), Private VLAN
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3af, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.3at
RAM	8 GB
Flash Memory	16 GB
Status Indicators	Status
Expansion / Connectivity	
Interfaces	36 x 2.5Gbit LAN RJ-45 UPOE 12 x 1/2.5/5/10GBase-T UPOE 1 x USB 2.0
Expansion Slots	1 (total) / 1 (free) x expansion slot
Power	
Power Device	Internal power supply - hot-plug
Installed Qty	1 (installed) / 2 (max)
Power Redundancy	Optional
Power Provided	1100 Watt
Voltage Required	AC 120/230 V (50 - 60 Hz)
MTBF	202,160 hours
Compliant Standards	CISPR 22 Class A, CISPR 24, EN 61000-3-2, EN 61000-3-3, EN55024, EN50082-1, EN 61000-6-1, EN 61000-4-4, EN 61000-4-2, EN 61000-4-3, EN 61000-4-6, CCC, ICES-003 Class A, EN 61000-4-5, UL 60950-1, IEC 60950-1, EN 60950-1, RoHS, AS/NZS 3548 Class A, BSMI Class A, CAN/CSA C22.2 No. 60950-1, VCCI Class A, EN 300386, EN 55022 Class A, FCC CFR47 Part 15 A, TVCN 7317, VCCI V-3/2009 Class A
Dimensions	
Width	17.5 in
Depth	18.5 in
Height	1.7 in
Miscellaneous	
Service & Support	Limited warranty - replacement - lifetime - response time: next business day Technical support - consulting - 90 days
Min Operating Temperature	23 °F
Max Operating Temperature	113 °F
Humidity Range Operating	5 - 90% (non-condensing)

C9300-48UXM-E Specification

Min Storage Temperature	158 °F
Max Storage Temperature	104 °F
Humidity Range Storage	5 - 90% (non-condensing)

Contact US

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