

C9300L-48UXG-4X-E Datasheet

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Overview

The 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..

Quick Specs

Table 1 shows the Quick Specs.

Product Code	C9300L-48UXG-4X-E
Product Description	Catalyst 9300 48-port fixed uplinks UPoE, 12xmGig, 4X10G uplinks, Network Essentials
Total 10/100/1000,Multigigabit copper or SFP Fiber	48 UPoE 12xmGig
Uplink Configuration	4x 10G fixed uplinks
Default AC power supply	1100W AC
Available PoE power	675W
Switching capacity	392 Gbps
Switching capacity with stacking	712 Gbps
Forwarding rate	291.66 Mpps
Forwarding rate with stacking	529.76 Mpps

The Accessories

Table 2 shows the recommended elements for theCatalyst 9300 Series.

Product number	Description
Network module	
C9300-NM-4G	Catalyst 9300 Series 4x 1G Network Module
C9300-NM-4M	Catalyst 9300 Series 4x Multigigabit Network Module
C9300-NM-8X	Catalyst 9300 Series 8x 10G Network Module
C9300-NM-2Q	Catalyst 9300 Series 2x 40G Network Module
C9300-NM-2Y	Catalyst 9300 Series 2x 25G Network Module
Stacking accessories	
STACK-T1-50CM	Data stack 50 cm (cable option with C9300 SKUs)
STACK-T1-1M	Data stack 1m (cable option with C9300 SKUs)
STACK-T1-3M	Data stack 3m (cable option with C9300 SKUs)
C9300L-STACK-KIT	Stack kit for C9300L SKUs only: Two data stack adapters and one data stack cable

STACK-T3-50CM	Data stack 50cm cable (default cable with C9300L Stack Kit)
STACK-T3-1M	Data stack 1m cable (cable option with C9300L Stack Kit)
STACK-T3-3M	Data stack 3m cable (cable option with C9300L Stack Kit)



Compare to Similar Items

Table 3 shows the comparison.

Product Code	C9300L-48UXG-2Q-A	C9300L-48UXG-2Q-E	C9300L-48UXG-4X-A	C9300L-48UXG-4X-E
Product Description	Catalyst 9300 48-port fixed uplinks UPoE, 12xmGig, 2x40G uplinks, Network Advantage	Catalyst 9300 48-port fixed uplinks UPoE, 12xmGig, 2X40G uplinks, Network Essentials	Catalyst 9300 48-port fixed uplinks UPoE, 12xmGig, 4x10G uplinks, Network Advantage	Catalyst 9300 48-port fixed uplinks UPoE, 12xmGig, 4X10G uplinks, Network Essentials
Total 10/100/1000,Multigigabit copper or SFP Fiber	48 UPoE 12xmGig	48 UPoE 12xmGig	48 UPoE 12xmGig	48 UPoE 12xmGig
Uplink Configuration	2x 40G fixed uplinks	2x 40G fixed uplinks	4x 10G fixed uplinks	4x 10G fixed uplinks
Default AC power supply	1100W AC	1100W AC	1100W AC	1100W AC
Available PoE power	675W	675W	675W	675W
Switching capacity	472 Gbps	472 Gbps	392 Gbps	392 Gbps
Switching capacity with stacking	792 Gbps	792 Gbps	712 Gbps	712 Gbps
Forwarding rate	351.19 Mpps	351.19 Mpps	291.66 Mpps	291.66 Mpps
Forwarding rate with stacking	589.28 Mpps	589.28 Mpps	529.76 Mpps	529.76 Mpps

Get More Information

Do you have any question about the C9300L-48UXG-4X-E? Contact

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Specification

C9300L-48UXG-4X-E Specification	
Product Description	Catalyst 9300 48-port fixed uplinks UPoE, 12xmGig, 4X10G uplinks, Network Essentials
FRU Power Supply	Yes
FRU Fans	Yes
Modular Uplinks	No
Stacking Bandwidth Support	320 Gbps
Cisco StackPower	No
Catalyst 9800 Embedded WLC	Yes (50 APs)
SD-Access Support	Yes (256 Virtual Networks)
Total 10/100/1000,Multigigabit copper or SFP Fiber	48 UPoE 12xmGig



Uplink Configuration	4x 10G fixed uplinks	
Default AC power supply	1100W AC	
Available PoE power	675W	
Total number of MAC addresses	32,000	
Total number of IPv4 routes (ARP plus learned routes)	32,000 (24,000 direct routes and 8000 indirect routes)	
IPv6 routing entries	16,000	
Multicast routing scale	8,000	
QoS scale entries	5,120	
ACL scale entries	5,120	
Packet buffer per SKU	16 MB buffer for 24 and 48 port Gigabit Ethernet models	
FNF entries	64,000 flow on 24- and 48-port Gigabit Ethernet models	
DRAM	8 GB	
Flash	16 GB	
VLAN IDs	4094	
Total Switched Virtual Interfaces (SVIs)	1000	
Jumbo frames	9198 bytes	
Total routed ports per Catalyst 9300 Series stack	416	
Switching capacity	392 Gbps	
Switching capacity with stacking	712 Gbps	
Forwarding rate	291.66 Mpps	
Forwarding rate with stacking	529.76 Mpps	
Dimensions (H x W x D) Cms	Chassis only	4.4 x 44.5 x 40.9
	W/ Default Power Supply	4.4 x 44.5 x 48.8
	W/ 1100W Power Supply	4.4 x 44.5 x 48.8
Mean Time Between Failures–MTBF (hours)	273,820	
Acoustic noise Measured per ISO 7779 and declared per ISO 9296 Bystander positions operating to an ambient temperature of 25°C	<p>With AC power supply (with 24 PoE+ ports loaded for C9300 SKUs)</p> <ul style="list-style-type: none"> • LpA: 45dB typical, 48 dB max • LwA: 5.6B typical, 5.9B max <p>With AC power supply (with half the number of PoE+ ports loaded for C9300L SKUs)</p> <ul style="list-style-type: none"> • LpA: 44dB typical, 47 dB max • LwA: 5.5B typical, 5.8B max <p>Typical: Noise emission for a typical configuration Maximum: Statistical maximum to account for variation in p</p>	

<p>Connectors and cabling</p>	<ul style="list-style-type: none"> • 1000BASE-T ports: RJ-45 connectors, 4-pair Cat 5E UTP cabling • Multigigabit-T ports: RJ-45 connectors, 4-pair Cat 5E, Cat 6, Cat 6A UTP cabling • 1000BASE-T SFP-based ports: RJ-45 connectors, 4-pair Cat 5E UTP cabling • SFP transceivers: LC fiber connectors (single-mode or multimode fiber) • SFP+ transceivers: LC fiber connectors (single-mode or multimode fiber) • QSFP+ transceivers: MPO and LC fiber connectors (single-mode or multimode fiber) • QSFP+ connector • SFP+ connector • Cisco StackWise stacking ports: copper-based Cisco StackWise cabling • Cisco StackPower: Cisco proprietary power stacking cables • Ethernet management port: RJ-45 connectors, 4-pair Cat 5 UTP cabling • Management console port: RJ-45-to-DB9 cable for PC connections
<p>Power connectors</p>	<ul style="list-style-type: none"> • Customers can provide power to a switch by using the internal power at the back of the switch • Internal power supply connector: The internal power supply is an auto-ranging unit. It supports input voltages between 100 (115 for 1100WAC) and 240 VAC. Use the supplied AC power cord to connect the AC power connector to an AC power outlet
<p>Safety certifications</p>	<ul style="list-style-type: none"> • UL 60950-1 • CAN/CSA-C222.2 No. 60950-1 • EN 60950-1 • IEC 60950-1 • AS/NZS 60950.1 • IEEE 802.3
<p>Electromagnetic emissions certifications</p>	<ul style="list-style-type: none"> • 47 CFR Part 15 • CISPR22 Class A • EN 300 386 V1.6.1 • EN 55022 Class A • EN 55032 Class A • CISPR 32 Class A • EN61000-3-2 • EN61000-3-3 • ICES-003 Class A • TCVN 7189 Class A • V-3 Class A • CISPR24 • EN 300 386 • EN55024 • TCVN 7317 • V-2/2015.04 • V-3/2015.04 • CNS13438 • KN32 • KN35 • IEC 61000-6-1 • EN 61000-6-1 <p>Additional Certifications for C9300L SKUs:</p> <ul style="list-style-type: none"> • QCVN 118:2018/BTTTT • CISPR24/25 • CISPR 32 Class A • VCCI-CISPR 32 Class A • EN55035
<p>Environmental</p>	<p>Reduction of Hazardous Substances (ROHS) 5</p>



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