

CISCO · CATALYST 9300 SWITCHES

C9300X-48HXN-A

8x10G + 40x5G mGig UPOE+ Ports · Modular Uplink · 690W PoE Budget

New, factory-sealed · 3-year LSCare warranty · Ships from Hong Kong and US stock



Product Model	C9300X-48HXN-A
Category	Catalyst 9300 Switches
Condition	New, factory-sealed
Warranty	3-year LSCare warranty
Supplier	Layer23-Switch · www.layer23-switch.com



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The C9300X-48HXN-A is a Cisco Catalyst 9300X Series stackable access switch for wiring closets that power multigigabit endpoints and need Network Advantage routing and segmentation. The switch has 8 10G and 40 5G Multigigabit UPOE+ ports, a 690W PoE budget on the default 1100W supply, a modular uplink slot and 960 Gbps of switching capacity.

New, factory-sealed · [3-year LSCare warranty](#) · [14-day returns](#) · [Cisco SN check before shipment](#)

Ordering note C9300X-48HXN-A is ordered with a mandatory 3-year Cisco DNA Advantage subscription (C9300-DNA-A). We include it in your quote.

Specifications

Product ID	C9300X-48HXN-A	Network license	Network Advantage, perpetual and included with the hardware
Downlink ports	8 x 10G Multigigabit (10G/5G/2.5G/1G/100M) + 40 x 5G Multigigabit (5G/2.5G/1G/100M)	PoE standards	Cisco UPOE+ on all 48 ports, up to 90W per port; IEEE 802.3af, 802.3at and 802.3bt Type 3 and Type 4 devices
Multigigabit cabling	10G: Cat6 up to 55 m or Cat6A up to 100 m; Cat6A recommended for 5G; full duplex only	Uplink slot	Modular slot for C9300X-NM network modules; no module in the default hardware configuration
Supported network modules	C9300X-NM-8M and C9300X-NM-8Y (ports 1 to 6 usable), C9300X-NM-2C (breakout on port 1 only); C9300X-NM-4C not supported	Network module slot rule	Operate with a network module or a blank module installed
Management port	10/100/1000 RJ-45	Console port	RJ-45 console port and USB mini-Type B console port
USB port	USB Type A and USB Type C, USB 3.0, 900 mA at 5 V	SSD storage	Pluggable 120 GB or 240 GB USB 3.0 SSD module
Switching capacity	960 Gbps	Switching capacity with stacking	1,960 Gbps
Forwarding rate	714.24 Mpps	Forwarding rate with stacking	1,458.24 Mpps
Packet buffer	16 MB	Flexible NetFlow entries	64,000 flows
DRAM	16 GB	Flash	16 GB
Hardware-based IPsec	Up to 100G, AES-256; requires an HSEC key and the Cisco Catalyst or Cisco DNA Advantage tier	App hosting capacity	2x the hosting resources of Catalyst 9300 models, Intel QuickAssist Technology, 2 x 10G AppGig ports
MAC addresses	32,000	IPv4 routes	39,000 (24,000 direct routes, 15,000 indirect routes)
IPv6 routes	19,500	Multicast routes	8,000
QoS entries	4,000	ACL entries	8,000

VLAN IDs	4094	PVST instances	300
STP virtual ports (PVST/MST)	13,000	Switched virtual interfaces	1,000
Jumbo frames	9198 bytes	Total routed ports per stack	448
Stacking	StackWise-1T, 1 Tbps, up to 8 members	Mixed stacking	StackWise-480 speeds with standard Catalyst 9300 (non-X) members; not supported with higher-scale C9300-24UB, C9300-24UXB or C9300-48UB; all members share one license level
StackPower	StackPower+; up to 4 switches per ring, 8 with XPS-2200	Network Advantage feature set	BGP, EIGRP, HSRP, IS-IS, OSPF; VRF, VXLAN, LISP, Cisco TrustSec, SGT, MPLS, mVPN; NETCONF, RESTCONF, gRPC, YANG; NSF, GR, xFSU; AVB, PTP; MACsec-256
Default power supply	PWR-C1-1100WAC-P (1100W AC, Platinum-rated)	Power supply slots	2; dual redundant power supplies supported
Available PoE with default power supply	690W	Available PoE with second 1100W supply	1790W
Available PoE with 1900W secondary supply	2590W	Available PoE with two 1900W supplies	3390W
Available PoE with 1900W primary alone	1490W	1900W supply output at 115V input	Limited to 1500W
Default supply input voltage	115 to 240 VAC, 47 to 63 Hz	Default supply input current	12-6A
Default supply inlet	IEC 320-C16	Default supply power cord rating	15A
Default supply total output BTU	3,754 BTU/hr	Measured power at full traffic, no network module (115 VAC)	171.8W
Weighted average power, no network module (115 VAC)	161.3W	Measured power with no link, no network module (115 VAC)	130.2W
Measured power at 100% PoE test load, no network module (115 VAC)	956.4W	Measured power at full traffic with C9300X-NM-8M (115 VAC)	191.4W
Measured power at full traffic with C9300X-NM-2C (115 VAC)	204.3W	Measured power at full traffic with C9300X-NM-8Y (115 VAC)	231W
Fan modules	Three field-replaceable fans with N+1 redundancy	Fan module	FAN-T2=
Fan module airflow	20 cfm	Airflow	Front-to-rear and side-to-rear
Operating temperature	-5°C to 45°C (23°F to 113°F)	Minimum cold-start temperature	0°C (32°F)
Storage temperature	-40°C to 70°C (-40°F to 158°F)	Operating humidity	5% to 90%, noncondensing
Operating altitude	Up to 10,000 ft (3000 m)	Storage altitude	Up to 15,000 ft (4500 m)

Dimensions, chassis only (H x W x D)	1.73 x 17.5 x 17.57 in (4.4 x 44.5 x 44.6 cm)	Dimensions with default power supply (H x W x D)	1.73 x 17.5 x 20.63 in (4.4 x 44.5 x 52.4 cm)
Weight with default power supply	6.44 kg (14.2 lb)	MTBF	188,200 hours
Safety certifications	UL 60950-1, CAN/CSA-C22.2 No. 60950-1, EN 60950-1, IEC 60950-1, AS/NZS 60950.1	EMC certifications	47 CFR Part 15, EN 55032 Class A, CISPR 32 Class A, EN 55035, CISPR 35, EN 300 386, EN 61000-3-2, EN 61000-3-3, ICES-003 Class A, CNS13438, KN32, KN35, TCVN 7189 Class A, TCVN 7317
Environmental compliance	RoHS 5	IEEE standards	802.1D, 802.1p, 802.1Q, 802.1s, 802.1w, 802.1x, 802.3, 802.3u, 802.3ab, 802.3z, 802.3ad, 802.3ae, 802.3an, 802.3bz, 802.3af, 802.3at
Management standards	SNMPv1, SNMPv2c, SNMPv3, RMON I and II	Minimum software release	Cisco IOS XE Cupertino 17.9.3

Optional Add-ons

Add-on	Cisco PID	Purpose
Network Module	C9300X-NM-8Y	8x25G/10G/1G SFP28 Module - Catalyst 9300X
Network Module	C9300X-NM-2C	2x100G/40G QSFP28 Module - Catalyst 9300X
Network Module	C9300X-NM-8M	8x10G/mGig Copper Module - Catalyst 9300X
Power Supply / Fan	PWR-C1-1100WAC-P	1100W AC PSU - Catalyst 9300 C1 - Platinum Rated
Power Supply / Fan	PWR-C1-1900WAC-P	1900W AC PSU - Catalyst 9300 C1 - Platinum Rated
Optics	SFP-10G-SR	10GBASE-SR SFP+ - 850nm MMF - 400m OM4
Optics	SFP-10G-LR	10GBASE-LR SFP+ - 1310nm SMF - 10km Reach
Optics	SFP-25G-SR-S	25GBASE-SR SFP28 - 850nm MMF - 100m OM4
Optics	SFP-10/25G-LR-S	10/25GBASE-LR SFP28 - 10 km G.652 SMF - 0 to 70°C Commercial Temperature
Optics	QSFP-40G-SR4	40G SR4 QSFP - MPO-12 MMF - 4x10G Breakout
Optics	QSFP-40G-SR-BD	40G SR-BiDi QSFP - LC MMF - 150m OM4
Optics	GLC-LH-SMD	1000BASE-LX/LH SFP - 10km SMF / 550m MMF - DOM
Optics	GLC-TE	1000BASE-T SFP - RJ-45 Cat5 Copper - 100m Reach
Optics	GLC-SX-MMD	1000BASE-SX SFP - MMF 850nm - DOM
Cable / Stacking Kit	STACK-T1-50CM	50cm Type 1 StackWise Cable - C9300/C9300X Data Stack - 480G/1T
Cable / Stacking Kit	STACK-T1-1M	1m Type 1 StackWise Cable - C9300/C9300X Data Stack - 480G/1T

Get Price and Availability for C9300X-48HXN-A

New, factory-sealed units with a 3-year warranty. Our sales team quotes within one business day, and in-stock orders ship within one business day of payment from our Hong Kong and US warehouses.

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LAYER23-SWITCH