



C9300X-48HX-A DataSheet

Cisco Catalyst C9300X-48HX-A: 48×10 Gbps UPOE+ multigigabit switch with 1 Tbps stacking, 100 Gbps IPsec, AES-256 MACsec, 16 GB RAM, Network Advantage.

[Get a Quote](#)

C9300X-48HX-A Description

The Cisco Catalyst C9300X-48HX-A, also called the “48HX UPOE+ Advantage switch” or “48-port 10 G multigigabit UPOE+ access switch,” delivers industry-leading performance and programmability for modern campus LANs or branch offices. Featuring 48×10 Gbps multigig UPOE+ downlinks, a 1 Tbps StackWise-1T stacking fabric, and 100 Gbps hardware IPsec with AES-256 MACsec, the C9300X-48HX-A secures and accelerates data center access, IoT connectivity, and unified communications. The Network Advantage license unlocks advanced Layer 3 routing, MPLS, segment routing, and extended QoS, making it ideal for digital transformation, cloud edge, and next-gen enterprise networks.

Model Meaning: Cisco C9300X-48HX-A Switch

Segment	Meaning
C	Cisco Catalyst series
9300	9300 Series stackable enterprise access switch
X	Next-gen UADP 2.0sec ASIC platform
48	48 downlink ports
H	UPOE+ capable, up to 90 W per port
X	10 Gbps multigigabit support (10/5/2.5/1 Gbps)
A	Network Advantage software license (advanced Layer 3, security, QoS, automation)

Model Comparison

Parameter	C9300X-48HX-A	C9300X-48TX-A	C9300X-48HX-E
Ports	48×10 Gbps UPOE+ multigigabit	48×10 Gbps multigig (no PoE)	48×10 Gbps UPOE+ multigigabit
UPOE Power	Up to 90 W/port	N/A	Up to 90 W/port
Stacking BW	1 Tbps (StackWise-1T)	1 Tbps (StackWise-1T)	1 Tbps (StackWise-1T)
Switching Capacity	1,760 Gbps	1,760 Gbps	1,760 Gbps
Forwarding Rate	1,309 Mpps	1,309 Mpps	1,309 Mpps
IPsec	100 Gbps line-rate	100 Gbps line-rate	100 Gbps line-rate
MACsec	AES-256	AES-256	AES-256
DRAM / Flash	16 GB / 16 GB	16 GB / 16 GB	16 GB / 16 GB
App Hosting	x86 CPU, USB 3.0 SSD slot	x86 CPU, USB 3.0 SSD slot	x86 CPU, USB 3.0 SSD slot
PoE Budget	1,100 W	0 W	1,100 W
License	Network Advantage	Network Advantage	Network Essentials

Specification

Parameter	Specification	Parameter	Specification
Model Number	C9300X-48HX-A	Platform	Cisco Catalyst 9300X Series
Series	9300X UADP 2.0sec ASIC	Downlink Ports	48×10 Gbps UPOE+ multigigabit
Uplink Slots	4× modular (10/25/40/100 Gbps)	Stacking BW	1 Tbps (StackWise-1T)
Switching Capacity	1,760 Gbps non-blocking	Forwarding Rate	1,309 Mpps
IPsec Throughput	100 Gbps line-rate	MACsec	AES-256 on all ports
CPU	x86 processor	DRAM	16 GB
Flash	16 GB	SSD Slot	USB 3.0 SSD (max 240 GB)
PoE Budget	1,100 W	Redundant PSU	Supported
License	Network Advantage	QoS Scale	5,120 entries
ACL Scale	8,000 entries	VLAN IDs	4,094
IPv4 Routes	32,000	IPv6 Routes	16,000
Flows (FNF)	128,000 entries	Packet Buffer	32 MB
MTBF	> 500,000 hours	Humidity	5 %-95 % non-condensing
Operating Temp.	-5 °C to 45 °C	Storage Temp.	-40 °C to 70 °C
Acoustic	45 dB typical	Dimensions	1.73"×17.5"×22.03"
Weight	6.62 kg	Fan Type	Variable-speed chassis fans
Power Supply	1100 W AC (redundant)	Security Features	ETA, TrustSec, TACACS+

Want to Buy

[Order Now](#) [Get a Quote](#)

Why Layer23-Switch.com

As a leading network hardware supplier, Layer23-Switch.com focuses on original new ICT equipment of Cisco, H3C, Juniper, etc.

200+

Countries we Sold

18,000+

Customers Trusted

\$20,000,000

Inventory Available

50%-98%

Off Global List Price

100%

Safe Online Shopping

Contact Us

- Tel: [+86-17181189993](tel:+86-17181189993)
- WhatsApp: [+8613464386404](tel:+8613464386404)
- Email: sales@layer23-switch.com