

BRAND NEW & VERIFIED



VERIFIED PRODUCT DATASHEET

C9350-48HX

Cisco Network Hardware Specification, Availability and Quote Reference

Product Model	C9350-48HX
Document Type	Product Datasheet
Condition	Brand New, Original and Verified
Supplier	Layer23-Switch.com

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C9350-48HX Datasheet

The Cisco C9350-48HX datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the C9350-48HX and integrate it into enterprise or service provider networks with confidence.



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Key Features

Dual Silicon One ASIC Architecture

The switch utilizes two Cisco Silicon One A100/L ASICs to deliver 1.3 Tbps of throughput per ASIC. This architecture provides a unified high-performance forwarding plane with deep buffers and flexible tables, ensuring consistent wire-speed performance for data-heavy applications.

Universal 90W UPOE+ Power

The C9350-48HX supports IEEE 802.3bt Type 4 UPOE+ technology, delivering up to 90W of power on all 48 ports simultaneously. This high-density power capability eliminates the need for electrical upgrades when deploying power-hungry devices like pan-tilt-zoom cameras, daisy-chained LED lighting, and high-performance thin clients.

Industry-Leading StackWise-1.6T

Featuring the new StackWise-1.6T technology, the switch offers 1.6 Tbps of aggregated stacking bandwidth. This allows up to eight switches to be managed as a single logical unit with distributed forwarding, scaling up to 384 Multigigabit ports without creating bandwidth bottlenecks between stack members.

400G-Ready Modular Uplinks

The platform supports high-speed modular uplinks, including the C9350-NM-4C module, which provides up to 400 Gbps of total uplink bandwidth (4x 100G). This flexibility supports seamless migration from 40G to 100G core connections as network traffic demands increase.

Advanced Hardware Security

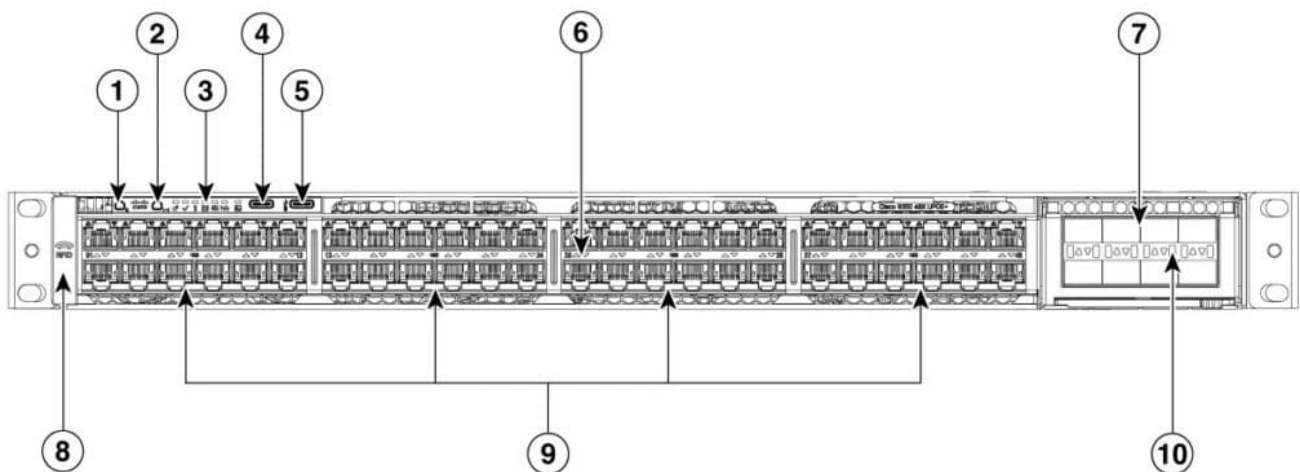
The C9350-48HX is hardware-ready for advanced security features, including line-rate MACsec AES-GCM-256 encryption and high-scale IPsec up to 100G. It also supports Cisco Hypershield for distributed threat mitigation and is ready for post-quantum cryptography (PQC) algorithms.

Enhanced Application Hosting

With an x86-based multicore CPU, 16 GB of DDR5 memory, and support for local SSD storage, the switch can host containerized third-

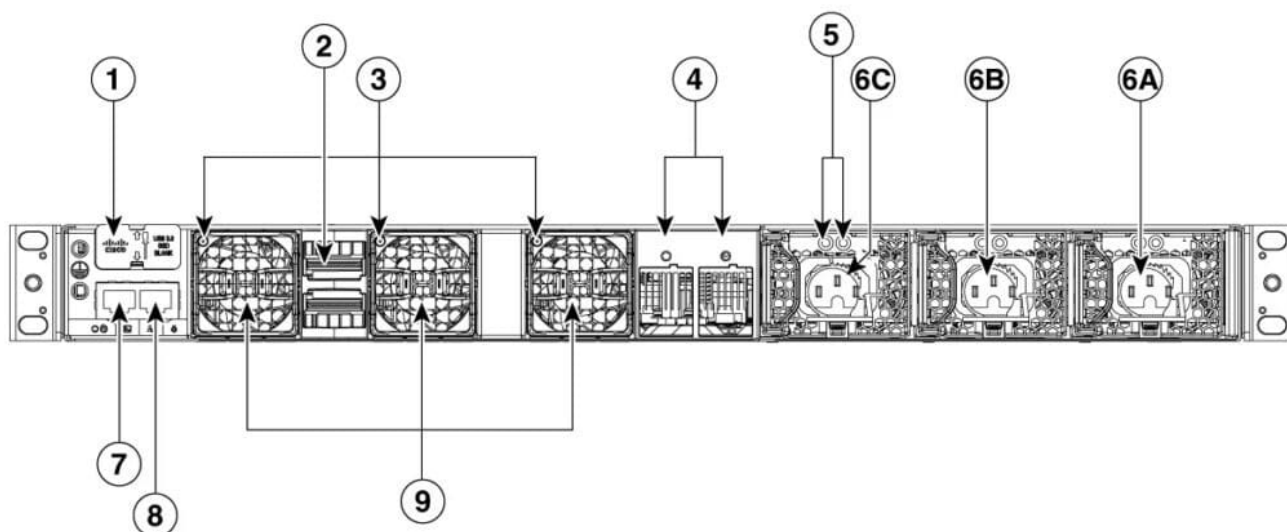
party applications. This enables edge computing capabilities, such as running Cisco ThousandEyes agents for direct visibility into network performance and user experience.

C9350-48HX Switch Front Panel



1	Beacon LED (UID button)	6	Mgig port LEDs
2	Mode button	7	Network modules
3	Status LEDs	8	Optional RFID
4	USB-C console port	9	24x2 Multigigabit Ethernet RJ-45 ports
5	USB-C host port	10	Network module LEDs

C9350-48HX Switch Rear Panel



1	USB3.0-SSD port	6	Power supply modules
2	StackWise ports and connectors	7	RJ-45 console port
3	Fan status LEDs	8	Ethernet management port
4	StackPower ports and connectors	9	Fan modules
5	Power supply LEDs AC OK (input) status LED PS OK (output) status LED	-	-

Specification

Parameter	Details	Parameter	Details
Dimensions (H x W x D)	4.4 x 44.5 x 51 cm	Weight (with default PSU)	8.5 kg (18.73 lb)
Rack Units	1 RU	Airflow Direction	Front-to-back
Switching Capacity (Standalone)	1760 Gbps	Forwarding Rate (Standalone)	1309.44 Mpps
Switching Capacity (Stacked)	3360 Gbps	Forwarding Rate (Stacked)	2499.84 Mpps
Stacking Bandwidth	1.6 Tbps	Stacking Technology	StackWise-1.6T
DRAM	16 GB	Flash Memory	18 GB
Packet Buffer	36 MB	SSD Storage	Up to 240 GB (Optional)

Parameter	Details	Parameter	Details
Total MAC Addresses	64,000	IPv4 Routes	192,000
IPv6 Routes	96,000	Multicast Routes	8,000
VLAN IDs	4094	SVI Interfaces	2000
QoS ACL Scale	2000 (IPv4) / 1000 (IPv6)	Security ACL Scale	5000 (IPv4) / 2500 (IPv6)
NetFlow Entries	64,000 (IPv4) / 32,000 (IPv6)	Jumbo Frames	9216 bytes
PoE Standard	IEEE 802.3bt Type 4 (90W)	PoE Budget (1x 1600W)	1120W
PoE Budget (2x 1600W)	2720W	PoE Budget (3x 1600W)	4320W
Default PSU	PWR-C2-1600WAC	Power Supply Slots	3
Input Voltage (1600W)	180V to 264V (for full output)	Input Frequency	47 Hz to 63 Hz
Operating Temperature	-5° to 45° C (up to 6000 ft)	Storage Temperature	-40° to 75° C
Relative Humidity	10% to 95% non-condensing	MTBF	277,660 hours
App Hosting CPU	4 vCPU (x86)	App Hosting RAM	8 GB

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