

BRAND NEW &amp; VERIFIED



## VERIFIED PRODUCT DATASHEET

# N9K-C92348GC-X

Cisco Network Hardware Specification, Availability and Quote Reference

<b>Product Model</b>	<b>N9K-C92348GC-X</b>
<b>Document Type</b>	<b>Product Datasheet</b>
<b>Condition</b>	<b>Brand New, Original and Verified</b>
<b>Supplier</b>	<b>Layer23-Switch.com</b>

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## N9K-C92348GC-X Datasheet

The Cisco N9K-C92348GC-X datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the N9K-C92348GC-X and integrate it into enterprise or service provider networks with confidence.



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### Key Features

#### High-density 1GBASE-T access with modern uplinks

Provides 48x copper 100M/1G downlinks plus 4x SFP28 (1/10/25G) and 2x QSFP28 (40/100G) uplinks, enabling smooth migration from legacy Gigabit Ethernet networks to 25/100 Gigabit backbones.

#### Exceptional switching and forwarding performance

Delivers 0.696 Tbps switching capacity and over 517 Mpps forwarding rate, ensuring wire-speed Layer 2/Layer 3 throughput for high-traffic workloads.

#### Advanced buffering for bursty traffic

Equipped with 40 MB shared buffer and intelligent congestion management, ideal for handling unpredictable east-west data center traffic and large file transfers.

#### Flexible deployment in data center and enterprise edge

1RU compact design with port-side intake or exhaust airflow, redundant hot-swappable fans, and dual PSU options for mission-critical environments.

#### NX-OS programmability and automation

Supports POAP, NX-API, Python scripting, and integration with Ansible, Chef, and Puppet for automated provisioning and configuration in software-defined networking (SDN) setups.

#### Energy-efficient and low heat output

Typical 150W AC power draw reduces operational costs while maintaining high-density switching, suitable for green data center initiatives and constrained power budgets.

## Specification

Parameter	Value	Parameter	Value
<b>Model</b>	Cisco N9K-C92348GC-X (Nexus 92348GC-X)	<b>Form Factor</b>	1RU fixed
<b>Downlink Ports</b>	48 × 100M/1GBASE-T	<b>Extra Downlinks</b>	4 × SFP28 (1/10/25G)
<b>Uplinks</b>	2 × QSFP28 (40/100G)	<b>Switching Capacity</b>	0.696 Tbps
<b>Forwarding Rate</b>	> 517 Mpps	<b>Shared Buffer</b>	40 MB
<b>CPU</b>	4 cores	<b>System Memory</b>	8 GB
<b>SSD</b>	16 GB	<b>Management</b>	1 × RJ-45 mgmt, 1 × SFP mgmt; 1 × USB; 1 × RS-232
<b>Fans</b>	3, hot-swappable, N+1	<b>Airflow Options</b>	Port-side intake or exhaust
<b>Power Supplies (max 2)</b>	400W AC; 400/350W DC; 350W HVAC/HVDC (bi-direction)	<b>Redundancy</b>	1+1
<b>Typical / Max Power (AC)</b>	150 W / 245 W	<b>Input Voltage (AC)</b>	100–240 VAC, 50–60 Hz
<b>Input Voltage (DC)</b>	-40 to -72 VDC (-48 to -60 VDC nominal)	<b>Input (HVDC)</b>	240–380 VDC
<b>Operating Temperature</b>	0 to 40°C	<b>Humidity (operating)</b>	5–85% (non-condensing)
<b>Altitude (operating)</b>	0–4000 m	<b>MTBF</b>	474,571 hours
<b>Dimensions (H×W×D)</b>	1.72 × 17.3 × 18.5 in (4.4 × 43.9 × 45.7 cm)	<b>Weight (chassis only)</b>	≈14.12 lb (6.4 kg)
<b>Telemetry</b>	SW-based telemetry; supports Tetration export	<b>NX-OS Features</b>	POAP, NX-API, Python, patching (per datasheet)
<b>Max VLANs</b>	4096	<b>Max VRFs (shipping)</b>	1000
<b>ECMP Paths / Members</b>	64 paths / 64,000 members	<b>Port Channels</b>	512 (32 links per PC)
<b>RPVST / MST Instances</b>	RPVST 3967 / MST 64	<b>HSRP Groups</b>	490
<b>SPAN Sessions</b>	4	<b>NAT Entries</b>	1023
<b>Rack Airflow Sleeve</b>	N9K-AIRFLOW-SLV; rack rail depth min/max supported	<b>Rack Depth (sleeve)</b>	Min 636.49 mm / Max 748.25 mm (for C92348GC-X)

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