DATA SHEET

Cisco Nexus N9K-C9364C-GX

The **Cisco Nexus N9K-C9364C-GX** is a high-density 2RU spine switch designed for modern cloud and enterprise data centers. Built on Cisco Cloud Scale GX architecture, it delivers up to 12.8 Tbps bandwidth and 4.3 Bpps throughput across 64 ports of 100G QSFP28, with backward compatibility and flexible breakout capabilities.

SYSTEM OVERVIEW & KEY SPECIFICATIONS

Specification	Details
Product Model	Cisco Nexus N9K-C9364C-GX
Form Factor	2RU Fixed Configuration Switch
System Bandwidth	12.8 Tbps
Forwarding Rate	Up to 4.3 Billion Packets Per Second (Bpps)
ASIC Technology	Cisco Cloud Scale GX ASIC
System Memory (RAM)	32 GB
SSD Storage	128 GB

PORT DENSITY & FLEXIBILITY MATRIX

Port Type	Quantity	Supported Speeds / Form Factor
Main High-Speed Ports	64 Ports	100G QSFP28 / 40G QSFP+
Breakout Support	Flexible	Supports 4x10G, 4x25G breakout modes per port
Management Ports	1 Port	10/100/1000BASE-T RJ-45 Management Port
Console & USB	2 Ports	1 RS-232 Console, 1 USB 3.0

ADVANCED HARDWARE & SOFTWARE FEATURES

Feature	Support Status
Operating System	Cisco NX-OS / ACI Fabric Mode
Hardware MACsec	256-bit IEEE 802.1AE MACsec on all ports
VXLAN & EVPN	Hardware-based line-rate VXLAN BGP EVPN routing

Feature	Support Status
Packet Buffer	Intelligent Shared Buffer Architecture
Telemetry & Analytics	Cisco Streaming Telemetry / Real-time Flow Analytics

PHYSICAL & ENVIRONMENTAL SPECIFICATIONS

Parameter	Value
Dimensions (H x W x D)	3.38 x 17.3 x 22.5 in (8.58 x 43.9 x 57.1 cm)
Weight	~29.5 lbs (13.4 kg)
Power Supplies	Dual redundant hot-swappable AC/DC power supplies
Operating Temperature	32°F to 104°F (0°C to 40°C)
Airflow Options	Port-side intake or Port-side exhaust options