Cisco Nexus 93600CD-GX

DATASHEET

High-Density Data Center & Cloud Switch

PRODUCT OVERVIEW

The **Cisco Nexus 93600CD-GX** is a versatile 1RU fixed-configuration switch based on **Cisco Cloud Scale technology**. It is designed to support cost-effective 100G/400G dense migrations in enterprise data centers, service providers, and cloud environments, providing ultra-low latency, flexible port speeds, and advanced telemetry.

SYSTEM SPECIFICATIONS

SPECIFICATION	DETAILS / VALUE
Architecture	Cisco Cloud Scale ASIC
Form Factor	1 Rack Unit (1RU) Rack-Mountable
Total Fixed Ports	28 x 100G QSFP28 + 8 x 400G QSFP-DD
Max System Throughput	12.0 Tbps
Forwarding Rate	4.2 Billion Packets Per Second (Bpps)
Buffer Size	On-Chip Smart Buffer (~80 MB)
System RAM	32 GB DRAM
Storage	128 GB SSD

Port Speed & Flexible Modes

- **28x Ports:** 100G QSFP28 (Supports 10G/25G/40G/100G)
- **8x Uplink Ports:** 400G QSFP-DD (Supports 50G/100G/200G/400G)
- **Breakout Capabilities:** 10G, 25G, 50G, 100G sub-interfaces
- **Management:** 1x RJ-45, 1x RS-232, 1x USB 3.0

Power & Environmental

- **Power Supplies:** Dual Hot-swappable AC/DC (N+1 / N+N)
- **Power Usage:** Typical ~450W, Max ~650W
- **Airflow Options:** Port-side Intake & Port-side Exhaust
- **Fans:** Hot-swappable Fans (N+1 Redundant)

SOFTWARE & PROTOCOLS SUPPORTED

Operating Systems	Cisco NX-OS Software / Cisco ACI (Application Centric Infrastructure)
Routing & Overlay	VXLAN EVPN, SRv6, Segment Routing, BGP, OSPF, ISIS
Traffic Management	RoCEv2, Priority Flow Control (PFC), Explicit Congestion Notification (ECN)
Automation & Analytics	Cisco Nexus Dashboard, Streaming Telemetry, Ansible, Python, OpenConfig