

Cisco Nexus N9K-C93180YC-EX

The **Cisco Nexus N9K-C93180YC-EX** is a high-performance 1RU top-of-rack (ToR) data center switch providing 3.6 Tbps bandwidth and up to 1.4 Bpps throughput. Built on Cloud Scale ASIC technology, it offers flexible 1/10/25 Gbps downlinks and 40/100 Gbps uplinks with line-rate VXLAN EVPN routing.

SYSTEM OVERVIEW & KEY SPECIFICATIONS

Specification	Details
Product Model	Cisco Nexus N9K-C93180YC-EX
Form Factor	1RU Fixed Configuration Switch
System Bandwidth	3.6 Tbps
Forwarding Rate	Up to 1.4 Billion Packets Per Second (Bpps)
ASIC Type	Cisco Cloud Scale ASIC
System Memory (RAM)	16 GB
SSD Storage	64 GB

PORT DENSITY & INTERFACE MATRIX

Port Type	Quantity	Supported Speeds / Form Factor
Downlink Ports	48 Ports	1G / 10G / 25G (SFP+ / SFP28)
Uplink Ports	6 Ports	40G / 100G (QSFP+ / QSFP28)
Management Ports	1 Port	10/100/1000BASE-T RJ-45
Console & USB	2 Ports	1 RS-232 Console, 1 USB 2.0

ADVANCED HARDWARE & SOFTWARE FEATURES

Feature	Support Status
Operating System	Cisco NX-OS / ACI Fabric Mode
VXLAN & EVPN	Line-rate VXLAN bridging & BGP EVPN routing
Telemetry & Visibility	Cisco Tetration Analytics / Streaming Telemetry
Packet Buffer	40 MB Shared Intelligent Buffer

Feature	Support Status
Latency	Ultra-low latency (~1 microsecond)

PHYSICAL & ENVIRONMENTAL SPECIFICATIONS

Parameter	Value
Dimensions (H x W x D)	1.72 x 17.3 x 22.5 in (4.37 x 43.9 x 57.1 cm)
Weight	~17.2 lbs (7.8 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