

Cisco Nexus N9K-C93180YC-FX3

The **Cisco Nexus N9K-C93180YC-FX3** is a 1RU top-of-rack (ToR) data center switch designed for ultra-high performance, delivering 3.6 Tbps bandwidth and up to 1.2 Bpps throughput. It supports flexible 1/10/25/50/100 Gbps port capabilities, making it ideal for modern enterprise data centers and cloud deployments.

SYSTEM OVERVIEW & KEY SPECIFICATIONS

Specification	Details
Product Model	Cisco Nexus N9K-C93180YC-FX3
Form Factor	1RU Fixed Configuration Switch
System Bandwidth	3.6 Tbps
Forwarding Rate	Up to 1.2 Billion Packets Per Second (Bpps)
System Memory (RAM)	32 GB
SSD Storage	128 GB

PORT DENSITY & INTERFACE MATRIX

Port Type	Quantity	Supported Speeds / Form Factor
Downlink Ports	48 Ports	1G / 10G / 25G / 50G (SFP28 / SFP56)
Uplink Ports	6 Ports	40G / 100G (QSFP28)
Management Ports	1 Port	100/1000BASE-T 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 VXLAN BGP EVPN routing
Telemetry & Analytics	Cisco Tetration Analytics / Streaming Telemetry

Feature	Support Status
Buffer Size	40 MB Intelligent Buffer

PHYSICAL & ENVIRONMENTAL SPECIFICATIONS

Parameter	Value
Dimensions (H x W x D)	1.72 x 17.3 x 19.6 in (4.37 x 43.9 x 49.8 cm)
Weight	~17.4 lbs (7.9 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 (Front-to-back / Back-to-front)