

CISCO · NEXUS 9000 SERIES SWITCHES

N9K-C93180YC-FX3

48x1/10/25G SFP28 · 6x40/100G QSFP28

New, factory-sealed · 3-year LSCare warranty · Ships from Hong Kong and US stock



Product Model	N9K-C93180YC-FX3
Category	Nexus 9000 Series Switches
Condition	New, factory-sealed
Warranty	3-year LSCare warranty
Supplier	Layer23-Switch · www.layer23-switch.com



Scan for price and stock

200+

Countries Served

18,000+

Customers Worldwide

US\$9M+

Ready-Stock Inventory

3-Year

Warranty



CISCO · NEXUS 9000 SERIES SWITCHES

N9K-C93180YC-FX3

48x1/10/25G SFP28 · 6x40/100G QSFP28

N9K-C93180YC-FX3 is a Cisco Nexus 9300-FX3 Series 1RU fixed-port data center switch for leaf, top-of-rack, or high-density server access roles.

New, factory-sealed · 3-year LSCare warranty · 14-day returns · Cisco SN check before shipment

Specifications

Product ID	N9K-C93180YC-FX3	Device Type	Fixed-port data center switch
Form Factor	1RU	Software Mode	Cisco NX-OS or Cisco ACI mode
Minimum NX-OS Release	NXOS-9.3.7	Minimum ACI Release	ACI-15.1.3
Switching Bandwidth	3.6 Tbps	Forwarding Rate	1.2 Bpps
Downlink Ports	48 x 1/10/25G SFP28	Uplink Ports	6 x 40/100G QSFP28
QSFP28 Port Speed Support	10/25/40/50/100G on ports 49 to 54	Management Ports	1 x RJ-45
Console Ports	1 x RS-232	USB Ports	1
CPU	4 cores	System Memory	Default 16GB, expandable 16GB
SSD Drive	128GB	System Buffer	40MB
Power Supply Slots	2	Power Redundancy	1+1 with two power supply modules
Power supply selection	NXA-PAC-650W-PE 650W AC, NXA-PAC-650W-PI 650W AC, NXA-PDC-930W-PE 930W DC, NXA-PDC-930W-PI 930W DC, or N9K-PUV-1200W 1200W universal supply selected by input type	Power Supply Options	650W AC, 930W DC, 1200W HVAC/HVDC
Maximum Power Consumption	600W	AC Input Voltage	100 to 240V
HVAC Input Voltage	200 to 277V	DC Input Voltage	-48 to -60V
HVDC Input Voltage	-240 to -380V	AC Frequency	50 to 60 Hz
Fan Modules	4	Supported Fan Modules	NXA-FAN-35CFM-PE, NXA-FAN-35CFM-PI
Airflow	Port-side intake or port-side exhaust	Chassis Width	17.3 in (43.9 cm)
Chassis Depth	19.5 in (49.6 cm)	Chassis Height	1.72 in (4.4 cm)
Chassis Weight Without Fans or PSUs	21 lb (9.52 kg)	Fan Module Weight	0.26 lb (0.12 kg)
650W AC Power Supply Weight	2.42 lb (1.1 kg)	930W DC Power Supply Weight	2.42 lb (1.1 kg)
1200W HVAC/HVDC Power Supply Weight	2.42 lb (1.1 kg)	Operating Temperature	32 to 104F (0 to 40C)
Storage Temperature	-40 to 158F (-40 to 70C)	Operating Altitude	0 to 13,123 ft (0 to 4000 m)

RoHS Compliance	Yes	MTBF	303,190 hours
Maximum IPv4 LPM Routes	1,792,000	Maximum IPv4 Host Entries	1,792,000
Maximum IPv6 LPM Routes	896,000	Maximum IPv6 Host Entries	1,792,000
Maximum MAC Address Entries	512,000	Maximum Multicast Routes	128,000
IGMP Snooping Groups	32,000	Fabric Extenders per Switch	16
ACL Entries	5000 ingress, 2000 egress	Maximum VLANs	4096 with 27 reserved
VRF Instances	16,000	Maximum ECMP Paths	128-way
Maximum Port Channels	512	Maximum Links in a Port Channel	32
Active SPAN Sessions	4	RPVST VLAN Instances	3967
HSRP Groups	490	NAT Entries	1023
MST Instances	64	Nexus Dashboard Insights Flow Table Size	64,000
Number of Queues	8		

Optional Add-ons

Add-on	Cisco PID	Purpose
Optics	SFP-10G-SR-S	10GBASE-SR SFP+ - S-Class - 400m OM4 MMF
Optics	SFP-10G-LR-S	10GBASE-LR SFP+ - S-Class - 10km SMF
Optics	SFP-25G-SR-S	25GBASE-SR SFP28 - 850nm MMF - 100m OM4
Optics	SFP-10/25G-LR-S	10/25GBASE-LR SFP28 - 10 km G.652 SMF - 0 to 70°C Commercial Temperature
Optics	QSFP-40G-SR4-S	40G SR4 S-Class QSFP - MPO-12 MMF - No Breakout
Optics	GLC-LH-SMD	1000BASE-LX/LH SFP - 10km SMF / 550m MMF - DOM
Optics	GLC-TE	1000BASE-T SFP - RJ-45 Cat5 Copper - 100m Reach
Optics	GLC-SX-MMD	1000BASE-SX SFP - MMF 850nm - DOM
Optics	QSFP-100G-DR-S	100G DR QSFP - LC SMF - 500m Reach
Optics	QSFP-100G-SR4-S	100G SR4 QSFP - MPO-12 MMF - 100m OM4
Cable / Stacking Kit	SFP-10G-AOC3M	10G SFP+ AOC - 3m Length - Active Optical Cable
Cable / Stacking Kit	SFP-25G-AOC3M	25G SFP28 AOC - 3m Length - Active Optical Cable
Cable / Stacking Kit	QSFP-H40G-CU5M	40G QSFP DAC - 5m Length - Passive Copper Cable
Cable / Stacking Kit	QSFP-100G-AOC3M	100G QSFP AOC - 3m Length - Active Optical Cable
Cable / Stacking Kit	QSFP-100G-CU3M	100G QSFP DAC - 3m Length - Passive Copper Cable
Cable / Stacking Kit	QSFP-H40G-AOC3M	40G QSFP+ AOC - 3m Length - Active Optical Cable

Get Price and Availability for N9K-C93180YC-FX3

New, factory-sealed units with a 3-year warranty. Our sales team quotes within one business day, and in-stock orders ship within one business day of payment from our Hong Kong and US warehouses.

[Request a Quote](#)

[View Product Page](#)



Email sales@layer23-switch.com WhatsApp [+86 171 8118 9993](https://wa.me/8617181189993) WeChat [layer23-switch](https://www.whatsapp.com/channel/00253333333333333333) Telegram [@layer23_switch](https://t.me/layer23_switch)

Address 2810 North Church Street, Suite 89727, Wilmington, DE 19802, USA

Cisco and Cisco product names are trademarks of Cisco Systems, Inc. Specifications are summarized from manufacturer documentation for reference; confirm the exact configuration with Layer23-Switch before ordering. Revised October 2026.

LAYER23-SWITCH