

CISCO · NEXUS 9000 SERIES SWITCHES

N9K-C93180YC-EX

48x1/10/25G Fiber Ports · 6x40/100G QSFP28

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



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



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Warranty



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N9K-C93180YC-EX

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The N9K-C93180YC-EX is a Cisco Nexus 9300-EX Series 1RU fixed data center switch for top-of-rack, middle-of-row and end-of-row server access. The switch has 48 1/10/25G fiber downlink ports and six 40/100G QSFP28 uplink ports, with 3.6 Tbps of bandwidth, over 2.6 Bpps of forwarding and latency under 1 microsecond.

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

Specifications

Product ID	N9K-C93180YC-EX	Product type	Fixed-port data center switch
Form factor	1RU	Deployment role	Top-of-rack, middle-of-rack, and end-of-rack deployments
Software mode	Cisco NX-OS or Cisco ACI mode	Minimum NX-OS image	NXOS-703I4.2
Minimum ACI image	ACI-N9KDK9-11.3	Switching capacity	3.6 Tbps
Forwarding rate	Over 2.6 Bpps	Latency	Less than 1 microsecond
Downlink ports	48 × 1/10/25G fiber ports	Downlink speed configuration	Per-port 1G, 10G, or 25G Ethernet
Uplink ports	6 × 40/100G QSFP28	CPU	4 cores
DRAM	24GB	SSD drive	64GB
Packet buffer	40MB	Management port	2 ports: 1 RJ-45 and 1 SFP
USB port	1	RS-232 serial ports	1
Power supply slots	2	Power redundancy	1+1 with two power supply modules
Power supply selection	NXA-PAC-650W-PI 650W AC, NXA-PAC-650W-PE 650W AC, NXA-PDC-930W-PI 930W DC, NXA-PDC-930W-PE 930W DC, or N9K-PUV-1200W 1200W universal supply selected by input type	Power supply matching requirement	Installed power supplies must be the same type
Module airflow requirement	Fan and power supply modules must use the same airflow direction	Typical power consumption	210W
Maximum power consumption	470W	Heat dissipation requirement	1603.706 BTU/hr
Input voltage AC	100 to 240V	Input voltage HVAC	200 to 277V
Input voltage DC	-48 to -60V	Input voltage HVDC	-240 to -380V
AC input frequency	50 to 60 Hz	Fan modules	4
Supported fan modules	NXA-FAN-30CFM-F, NXA-FAN-30CFM-B	Airflow	Port-side intake or port-side exhaust
Airflow matching requirement	Match airflow direction across fans and power supplies	Chassis width	17.5 in (44.5 cm)

Chassis depth	22.5 in (57.1 cm)	Chassis height	1.72 in (4.4 cm)
Chassis weight without fans or PSUs	7.8 kg (17.2 lb)	Fan module weight	0.12 kg (0.26 lb)
Power supply weight	1.1 kg (2.42 lb)	Operating temperature	32 to 104F (0 to 40C)
Storage temperature	-40 to 158F (-40 to 70C)	Operating humidity	5 to 90%
Storage humidity	5 to 95%	Operating altitude	0 to 13,123 ft (0 to 4000 m)
RoHS compliance	Yes	MTBF	390,330 hours
Maximum LPM routes	896,000	Maximum IP host entries	896,000
Maximum MAC address entries	256,000	Maximum multicast routes	32,000
IGMP snooping groups	Shipping 8,000, maximum 32,000	Fabric extenders per switch	16
ACL entries	4000 ingress and 2000 egress per forwarding slice	Total ACL entries	8000 ingress and 4000 egress
VLAN IDs	4096 with 127 reserved	VRF instances	Shipping 1,000, maximum 16,000
Maximum ECMP paths	64	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
Tetration flow table size	64,000	Number of queues	8
Rack Accessory Kit	NXK-ACC-KIT-1RU	Rack Accessory Kit	NXK-ACC-KIT-1RU

Get Price and Availability for N9K-C93180YC-EX

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.

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