

CISCO · NEXUS 3000 SERIES SWITCHES

N3K-C36180YC-R

48x1/10/25G SFP · 6x40/100G QSFP28 · Nexus 3600 Switch

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



Product Model	N3K-C36180YC-R
Category	Nexus 3000 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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N3K-C36180YC-R is a Cisco Nexus 36180YC-R data center switch in the Nexus 3600 Series for aggregation, IP storage, DMZ, and edge-routing deployments, with 48 fixed 1/10/25G SFP ports, 6 fixed 40/100G QSFP28 uplinks, a compact 1RU form factor, up to 1.8 Tbps switching capacity and 1.67 bpps forwarding, and an 8-GB buffer for dense east-west traffic patterns.

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

Specifications

Product ID	N3K-C36180YC-R	Cisco model	Nexus 36180YC-R
Product type	1RU fixed-form-factor switch	Order description	Nexus 36180YC-R, 48p 10/25G and 6p QSFP28
Primary role	Data center aggregation switching	Form factor	1RU
Data ports	48 SFP ports, native 1/10/25 Gigabit Ethernet	QSFP28 ports	6 QSFP28 ports, native 40/100 Gigabit Ethernet
QSFP28 breakout	4 x 25G or 4 x 10G modes	MACSec support	Wire-rate MACSec on all 6 QSFP28 ports
Switching capacity	1.8 Tbps	Forwarding rate	Up to 1.67 bpps
Line-rate support	Layer 2 and Layer 3 on all ports for packets bigger than 115B	Maximum MTU	Up to 9216 bytes
Buffer size	8 GB	System memory	32 GB
Bootflash memory	128 GB	MAC address scale	750,000
VLAN scale	4096 VLANs	Ingress ACL entries	7000
Maximum LPM routes	256,000	IP host entries	750,000
Layer 3 multicast entries	128,000	EtherChannels	256 with vPC
Ports per EtherChannel	32	Management ports	RJ-45 management port and SFP management port
Console port	1 RS-232 serial console port	USB port	1 USB port
Power supply selection	NXA-PAC-1100W-PE2 1100W AC, NXA-PAC-1100W-PI2 1100W AC, NXA-PHV-1100W-PE 1100W, or NXA-PHV-1100W-PI 1100W selected by airflow and input type	Power supply types	AC forward/reverse airflow or DC port-side exhaust
Power supply mixing rule	Both power supplies must be AC or both must be DC	Typical operating power	383 W
Maximum power	771 W	AC input voltage	100 to 240 VAC
AC frequency	50 to 60 Hz	Power supply efficiency	89 to 91% at 220V
Cooling airflow	Forward port-side exhaust or reverse port-side intake	Fan modules	2 fan modules

Fan replacement note	Hot-swappable, must swap within 1 minute	Dimensions	1.72 x 17.3 x 26.85 in. (4.4 x 43.9 x 68.2 cm)
Weight	27.1 lb (12.3 kg)	Operating temperature	32 to 104 F (0 to 40 C)
Storage temperature	-40 to 158 F (-40 to 70 C)	Operating humidity	10 to 85% noncondensing
Operating altitude	Up to 13,123 ft	Layer 3 license PID	N3K-LAN1K9
Enhanced Layer 3 features	Full OSPF, EIGRP, and BGP	NX-OS package reference	nxos64-msll image for Nexus 3600 fixed switches in Release 10.6(3)F
AC PSU support from NX-OS 10.3(3)F	NXA-PAC-750W-PE and NXA-PAC-750W-PI	Transceiver support reference	Cisco Transceiver Module compatibility matrix

Optional Add-ons

Add-on	Cisco PID	Purpose
Optics	GLC-LH-SMD	1000BASE-LX/LH SFP - 10km SMF / 550m MMF - DOM
Optics	GLC-SX-MMD	1000BASE-SX SFP - MMF 850nm - DOM
Optics	QSFP-100G-SR4-S	100G SR4 QSFP - MPO-12 MMF - 100m OM4

Get Price and Availability for N3K-C36180YC-R

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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