

CISCO · NEXUS 3000 SERIES SWITCHES

N3K-C3636C-R

36x40/100G QSFP28 Ports · 16GB Buffer · Nexus 3600 R-Series

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



Product Model	N3K-C3636C-R
Category	Nexus 3000 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 3000 SERIES SWITCHES

N3K-C3636C-R

36x40/100G QSFP28 Ports · 16GB Buffer · Nexus 3600 R-Series

N3K-C3636C-R is a Cisco Nexus 3636C-R switch on the Nexus 3600 platform, built as a 1RU data center switch for spine, IP storage, DMZ, big data, and edge routing deployments, with 36 QSFP28 ports for 40G or 100G Ethernet, 4 x 10G or 4 x 25G breakout support, 7.2 Tbps switching capacity, up to 3.34 bpps forwarding, and a 16 GB dynamic buffer, while the chassis supports port-side exhaust or port-side intake airflow and redundant AC or DC power supplies.

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

Specifications

Product ID	N3K-C3636C-R	Cisco model	Nexus 3636C-R
Product type	1RU fixed-form-factor switch	Order description	Nexus 3636C-R switch, 36p QSFP28 MACSEC
Primary role	Data center spine switching	Form factor	1RU
Data ports	36 QSFP28 ports	Native port speeds	40 or 100 Gigabit Ethernet
QSFP28 breakout	4 x 10G or 4 x 25G modes	MACSec ports	8 ports
Switching capacity	7.2 Tbps	Forwarding rate	Up to 3.34 bpps
Line-rate support	Layer 2 and Layer 3 on all ports for packets larger than 115 bytes	Maximum MTU	Up to 9216 bytes
Dynamic buffer	16 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	128,000	IP host entries	750,000
Layer 3 multicast entries	64,000	EtherChannels	256 with vPC
Ports per EtherChannel	32	Management ports	RJ-45 or SFP management port
Console port	1 RS-232 serial console port	USB port	1 USB port
Power supply selection	NXA-PAC-2KW-PI 2000W AC, NXA-PAC-2KW-PE 2000W AC, NXA-PDC-2KW-PI 2000W DC, or NXA-PDC-2KW-PE 2000W DC selected by airflow and input type	Power supply types	AC and DC power inputs with airflow-specific PSU line items
Typical operating power	921 W	Maximum power	1341 W
AC input voltage	100 to 240 VAC	AC frequency	50 to 60 Hz
Power supply efficiency	89 to 91% at 220V	Maximum heat dissipation	2631 MBTU

Cooling airflow	Forward port-side exhaust or reverse port-side intake	Fan modules	3 redundant fans
Fan replacement note	Hot-swappable, must swap within 31 minutes	Dimensions	1.65 x 17.3 x 31.22 in. (4.2 x 44 x 79.3 cm)
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	Storage humidity	5 to 95% noncondensing
Operating altitude	Up to 13,123 ft	Layer 3 license PID	N3K-LAN1K9 or N3K-LAN1K9XL reference
Enhanced Layer 3 features	Full OSPF, EIGRP, and BGP	NX-OS support reference	Cisco NX-OS Release 9.2(2) lists N3K-C3636C-R as supported hardware
Transceiver support reference	Cisco 100-Gigabit Ethernet compatibility matrix		

Optional Add-ons

Add-on	Cisco PID	Purpose
Optics	QSFP-100G-SR4-S	100G SR4 QSFP - MPO-12 MMF - 100m OM4

Get Price and Availability for N3K-C3636C-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.

[Request a Quote](#)

[View Product Page](#)



Email sales@layer23-switch.com WhatsApp +86 171 8118 9993 WeChat [layer23-switch](#) Telegram [@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.