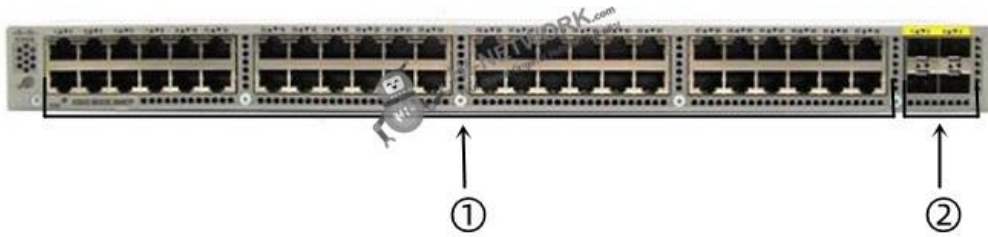Get a Quote

Overview

N3K-C3048TP-1GE is one of the Cisco Nexus 3048 switches. Cisco Nexus 3048 Switch is a line-rate Gigabit Ethernet top-of-rack (ToR) switch and is part of the Cisco Nexus 3000 Series Switches portfolio. Cisco Nexus 3048, provides compact one-rack-unit (1RU) form factor and integrated Layer 2 and 3 switching, Cisco NX-OS Software operating system, and supports both forward and reversed airflow schemes with AC and DC power inputs.

Quick Specification

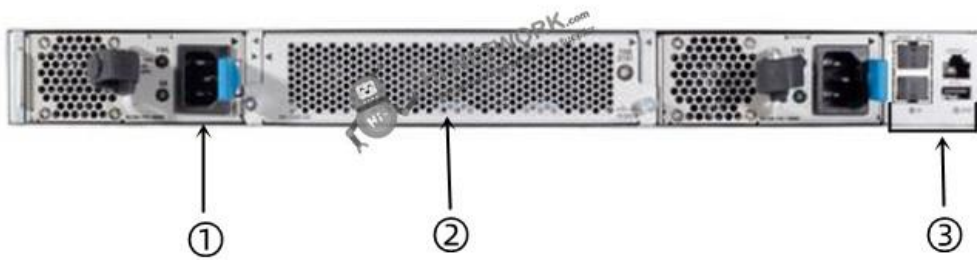|	
Product Code	N3K-C3048TP-1GE
Switching Capacity	176-Gbps
Forwarding rate	132 mpps
Line-rate traffic throughput	(both Layer 2 and 3) on all ports
Configurable maximum transmission units (MTUs)	up to 9216 bytes (jumbo frames)
Form Factor	1RU
RJ-45 ports	48 x 10/100/1000-Mbps
Uplink ports	4 x 1/10 Gbps SFP+
Redundant power supplies	2
Fan Tray	1 fan tray with redundant fans
Fixed Module	1 I/O module with management, console, and USB flash memory ports
Dimension (height x width x depth)	1.72 x 17.3 x 19.7 in. (4.4 x 43.9 x 50.5 cm)
Net Weight	20.5 lb (9.3 kg)

Product Details:

The Front Panel:

①	48 x 10/100/1000-Mbps
②	4 x 1/10 Gbps SFP+

The back panel

①	Power Connector
②	Fan Tray
③	1 I/O module with management, console, and USB flash memory ports

The Accessories

Modules and Cables:

Models	Description
SFP-10G-SR	10GBASE-SR SFP Module
SFP-10G-LR	10GBASE-LR SFP+ Module
SFP-H10GB-CU1M	10GBASE-CU SFP+ Cable 1 Meter
SFP-H10GB-CU3M	10GBASE-CU SFP+ Cable 3 Meter
SFP-H10GB-CU5M	10GBASE-CU SFP+ Cable 5 Meter

Compare to Similar Items

Product Code	N3K-C3048TP-1GE	N3K-C3548P-10GX
Switching Capacity	176-Gbps	960-Gbps
Forwarding rate	132 mpps	720 Mpps
Configurable maximum transmission units (MTUs)	up to 9216 bytes (jumbo frames)	Up to 9216 bytes (jumbo frames)
Form Factor	1RU	1RU
Ports	48 x 10/100/1000-Mbps	48 x fixed SFP+ ports (1 or 10 Gbps)

Get more information:

Do you have any question about the N3K-C3048TP-1GE?

Contact us now via e-mail: info@hi-network.com

Specific Data Sheet:

Type	N3K-C3048TP-1GE
Physical	· 1RU fixed form-factor switch · 48 10/100/1000-Mbps RJ-45 ports · 4 1/10 Gbps SFP+ uplink ports · 2 redundant power supplies · 1 fan tray with redundant fans · 1 I/O module with management, console, and USB flash memory ports
Performance	· 176-Gbps switching capacity · Forwarding rate of 132 mpps · Line-rate traffic throughput (both Layer 2 and 3) on all ports · Configurable maximum transmission units (MTUs) of up to 9216 bytes (jumbo frames)

MAC addresses	128,000
Number of VLANS	4096
Spanning-tree instances	· RSTP: 512 · MSTP: 64
ACL entries	2000 ingress 1000 egress
Routing table	16,000 prefixes and 16,000 host entries 8000 multicast routes
Number of EtherChannels	52 (with vPC)
Number of ports per EtherChannel	16
Buffers	9 MB shared
Boot flash memory	2 GB
Number of power supplies	2 (redundant)
Typical operating power	120 watts (W) (48p of 1G and 4p of 10G/SR at 100% load, with 2 power supply units [PSUs])
Maximum power	124W
AC PSUs Input voltage Frequency Efficiency	100 to 240 VAC 50 to 60 Hz 89 to 91% at 220V
DC PSUs Input voltage Maximum current Efficiency	-40 to -72 VDC 33A 85 to 88%
Typical heat dissipation	409 BTU/hr (48p of 1G and 4p of 10G/SR at 100% load, with 2 PSUs)
Maximum heat dissipation	423 BTU/hr
Cooling	Forward and reversed airflow schemes Forward airflow: Port-side exhaust (air enters through fan-tray and power supplies and exits through ports) Reversed airflow: Port-side intake (air enters through ports and exits through fan tray and power supplies) Single fan tray with redundant fans Hot swappable (must swap within 1 minute)
Measured sound power (maximum) Fan speed: 40% duty cycle Fan speed: 60% duty cycle Fan speed: 100% duty cycle	63.9 dBA 64.7 dBA 66.4 dBA
Dimensions (height x width x depth)	1.72 x 17.3 x 19.7 in. (4.4 x 43.9 x 50.5 cm)
Weight	20.5 lb (9.3 kg)
Operating temperature	32 to 104°F (0 to 40°C)
Storage temperature	-40 to 158°F (-40 to 70°C)
Operating relative humidity	10 to 85% noncondensing Up to 5 days at maximum (85%) humidity Recommend ASHRAE data center environment

Storage relative humidity	5 to 95% noncondensing
Altitude	0 to 10,000 ft (0 to 3000m)

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