N9K-C9372TX Datasheet

Overview

Cisco Nexus 9372TX Switch#N9K-C9372TX# is a 1RU switch that supports 1.44 Tbps of bandwidth and over 1150 mpps across 48 fixed 10-Gbps BASE-T ports and 6 fixed 40-Gbps QSFP+ ports.

Quick Specs

Figure 1 shows the appearance of N9K-C9372TX.
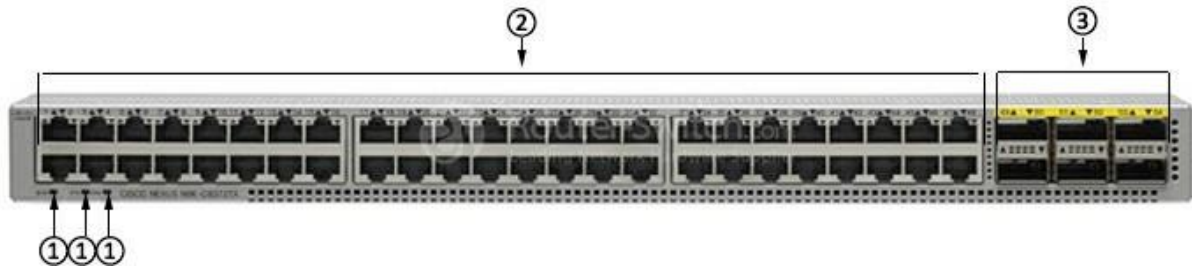

Table 1 shows the Quick Specs.

Product Code	N9K-C9372TX
Ports	48 fixed 1/10GBASE-T and 6 QSFP+ ports
Form factor	1 RU
Throughput (Tbps)	1.44
Supported speeds	100 Megabit Ethernet and 1/10 Gigabit Ethernet speeds
40 Gigabit Ethernet uplink port	6 fixed QSFP+ ports ·Advanced QSFP+ optics enable connectivity using existing 10 Gigabit Ethernet fiber. ·The switch offers 25 MB of additional packet buffer space shared with all ports for more resilient operations
Power supplies (up to 2)	650W AC, 930W DC, or 1200W HVAC/HVDC
Typical power(AC & DC)	374.5W
Maximum power(AC & DC)	694W
Maximum number of longest prefix match (LPM) routes	128,000
CPU, SSD, and memory	Dual-core 2.5-GHz x86 CPUs with 64-GB SSD drive and 16 GB of memory provide enhanced network performance
Buffer (MB)	37
Operating System	NX-OS, ACI
Fans	4
Physical (H x W x D)	1.72 x 17.3 x 22.5 in. (4.4 x 43.9 x 57.1cm)

Acoustics	48.6 dBA at 40% fan speed, 65.2 dBA at 70% fan speed, and 76.5 dB at 100% fan speed
Weight#without power supplies or fans#	22.6 lb (10.25 kg)

·Typical and maximum power values are based on input drawn from the power circuit. The power supply value (for example, 650W AC power supply: N9K-PAC-650W) is based on the output rating to the inside of the switch.

·The actual maximum scale depends on the system forwarding mode

Product Details

Figure 2 shows the front panel of N9K-C9372TX.

Note:

(1)	Beacon (BCN), Status (STS), and Environment (ENV) LEDs
(2)	10GBASE-T APIC-facing ports (48) supporting 100-Megabit, 1-Gigabit, and 10-Gigabit Ethernet
(3)	40-Gigabit QSFP+ spine-facing ports (6) supporting 10- and 40-Gigabit Ethernet

The Accessories

Table 2 shows the recommended elements for the N9K-C9372TX.

Category	Model	Description
40G Transceiver and Cable Options	QSFP-H40G-ACU10M	Cisco QSFP to QSFP copper direct-attach 40GBASE-CR4 cable QSFP-H40G-ACU10M
	QSFP-H40G-CU1M	Cisco QSFP to QSFP copper direct-attach 40GBASE-CR4 cable QSFP-H40G-CU1M
	QSFP-H40G-CU3M	Cisco QSFP to QSFP copper direct-attach 40GBASE-CR4 cable QSFP-H40G-CU3M
	QSFP-H40G-CU5M	Cisco QSFP to QSFP copper direct-attach 40GBASE-CR4 cable QSFP-H40G-CU5M

Compare to Similar Items

Table 3 shows the comparison of the N9K-C9372TX and N9K-C9372PX.

Product Code	N9K-C9372TX	N9K-C9372PX
Ports	48 fixed 1/10GBASE-T and 6 QSFP+ ports	48 fixed 1/10GBASE-T and 6 QSFP+ ports
Form factor	1 RU	1 RU
Throughput (Tbps)	1.44	1.44
Supported speeds	100 Megabit Ethernet and 1/10 Gigabit Ethernet speeds	1/10 Gigabit Ethernet speeds
Typical power(AC & DC)	374.5W	210W

Maximum power(AC & DC)	694W	537W
Maximum number of longest prefix match (LPM) routes	128,000	128,000
Acoustics	48.6 dBA at 40% fan speed, 65.2 dBA at 70% fan speed, and 76.5 dB at 100% fan speed	48.5 dBA at 40% fan speed, 64.9 dBA at 70% fan speed, and 77.8 dB at 100% fan speed
Weight#without power supplies or fans#	22.6 lb (10.25 kg)	22.2 lb (10.1 kg)

Get more information

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Specification

N9K-C9372TX Specification	
Ports	48 fixed 1/10GBASE-T and 6 QSFP+ ports
Supported speeds	100 Megabit Ethernet and 1/10 Gigabit Ethernet speeds
40 Gigabit Ethernet uplink port	6 fixed QSFP+ ports
	Advanced QSFP+ optics enable connectivity using existing 10 Gigabit Ethernet fiber.
	The switch offers 25 MB of additional packet buffer space shared with all ports for more resilient operations.
Power supplies (up to 2)	650W AC, 930W DC, or 1200W HVAC/HVDC
Typical power*(AC & DC)	374.5W
Maximum power* (AC & DC)	694W
Input voltage (AC)	100 to 240V
Input voltage (HVAC)	200 to 277V
Input voltage (DC)	-40V to -72V DC (min-max) -48V to -60V DC (nominal)
Input voltage (HVDC)	−240 to −380V
Frequency (AC)	50 to 60 Hz
Fans	4
Physical (H x W x D)	1.72 x 17.3 x 22.5 in. (4.4 x 43.9 x 57.1cm)
Acoustics	48.6 dBA at 40% fan speed, 65.2 dBA at 70% fan speed, and 76.5 dB at 100% fan speed
RoHS compliance	Yes
Product Specifications	
Maximum number of longest prefix match (LPM) routes	128,000*
Maximum number of IP host entries	208,000*
Maximum number of MAC address entries	96,000*

Number of multicast routes	• 32,000 (without virtual PortChannel [vPC]) • 32,000 (with vPC)
Number of Interior Gateway Management Protocol (IGMP) snooping groups	• 32,000 (without vPC) • 32,000 (with vPC)
Maximum number of Cisco Nexus 2000 Series Fabric Extenders per switch	16
Number of access control list (ACL) entries	• 4000 ingress • 1000 egress
Maximum number of VLANs	4096
Maximum number of Virtual Routing and Forwarding (VRF) instances	1000
Maximum number of links in a PortChannel	32
Maximum number of ECMP paths	64
Maximum number of PortChannels	528
Number of active SPAN sessions	4
Maximum number of Rapid per-VLAN Spanning Tree (RPVST) instances	507
Maximum number of Hot-Standby Router Protocol (HSRP) groups	490
Maximum number of Multiple Spanning Tree (MST) instances	64
Maximum number of VXLAN tunnel endpoints (VTEP)	256
Environmental Properties	
Operating temperature	32 to 104°F (0 to 40°C)
Nonoperating (storage) temperature	-40 to 158°F (-40 to 70°C)
Humidity	5 to 95% (noncondensing)
Altitude	0 to 13,123 ft (0 to 4000m)
Weight	
Cisco Nexus 9372PX/9372PX-E without power supplies or fans	22.2 lb (10.1 kg)
Cisco Nexus 9372TX/9372TX-E without power supplies or fans	22.6 lb (10.25 kg)
Safety and EMC	
Regulatory compliance	Products should comply with CE Markings according to directives 2004/108/EC and 2006/95/EC
Safety	• UL 60950-1 Second Edition • CAN/CSA-C22.2 No. 60950-1 Second Edition • EN 60950-1 Second Edition • IEC 60950-1 Second Edition • AS/NZS 60950-1 • GB4943

EMC: Emissions	• 47CFR Part 15 (CFR 47) Class A • AS/NZS CISPR22 Class A • CISPR22 Class A • EN55022 Class A • ICES003 Class A • VCCI Class A • EN61000-3-2 • EN61000-3-3 • KN22 Class A • CNS13438 Class A
EMC: Immunity	• EN55024 • CISPR24 • EN300386 • KN 61000-4 series
RoHS	The product is RoHS-6 compliant with exceptions for leaded-ball grid-array (BGA) balls and lead press-fit connectors

Download Resource

Support and Resources

📄 **Cisco Nexus 9300 Switch Datasheet**

Transition Guide

📄 **Guide to Upgrade Cisco Access and Backbone Switch**

📄 **Selecting Cisco Switches-Campus, Branch, Digital Building**

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