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Overview

The Cisco Nexus 3524 Switches allow the Cisco Nexus 3524 to operate 24 ports, these fixed switches are compact one-rack-unit (1RU) form-factor 10 Gigabit Ethernet switches that provide line-rate Layer 2 and 3 switching with ultra-low latency. Software licenses run the industry-leading CiscoNX-OS Software operating system, providing customers with comprehensive features and functions that are deployed globally. The Cisco Nexus 3524 contains no physical layer (PHY) chips, allowing low latency and low power consumption.

Quick Spec

Figure 1 shows the appearance of N3K-C3524P-10G.



Table 1 shows the quick spec.

Product Number	N3K-C3524P-10G
Product Description	Cisco Nexus N3K-C3524P-10G Switch Layer 2 and layer 3 - 24 x 10G SFP+ active Ethernet ports - Ultra-Low latency - Managed
Number of EtherChannels	24
Number of ports per EtherChannel	24
Buffer size	6 MB shared among 16 ports; 18 MB total
Boot flash memory	2 GB (3524P and 3548P models) 4 GB (3524X and 3548X models)
Dimensions (height x width x depth)	1.72 x 17.3 x 18.38 in. (4.36 x 43.9 x 46.7 cm)
Weight	17.4 lb (7.9 kg)

Compare to Similar Items

Table 2 shows the comparison between N3K-C3524P-10G and N3K-C3548P-10G.

Product Code	N3K-C3524P-10G	N3K-C3548P-10G
Product Description	Cisco Nexus N3K-C3524P-10G Switch Layer 2 and layer 3 - 24 x 10G SFP+ active Ethernet ports - Ultra-Low latency - Managed	Cisco Nexus N3K-C3548P-10G Switch Layer 2 and layer 3 - 48 x 10G SFP+ Ethernet ports - Ultra-Low latency - Managed
Typical operating power	● 152 watts (W)	● 142W
Maximum power	● 265W	● 245W

Buffer size	6 MB shared among 16 ports; 18 MB total	6 MB shared among 16 ports; 18 MB total
Boot flash memory	2 GB (3524P and 3548P models) 4 GB (3524X and 3548X models)	2 GB (3524P and 3548P models) 4 GB (3524X and 3548X models)
Dimensions (height x width x depth)	1.72 x 17.3 x 18.38 in. (4.36 x 43.9 x 46.7 cm)	1.72 x 17.3 x 18.38 in. (4.36 x 43.9 x 46.7 cm)
Weight	17.4 lb (7.9 kg)	17.4 lb (7.9 kg)

Get more information

Do you have any question about the N3K-C3524P-10G?

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Specification

N3K-C3524P-10G Specification		
Product Number	N3K-C3524P-10G	
Product Description	Cisco Nexus N3K-C3524P-10G Switch Layer 2 and layer 3 - 24 x 10G SFP+ active Ethernet ports - Ultra-Low latency - Managed	
Physical	<ul style="list-style-type: none"> ● 24 fixed SFP+ ports (1 or 10 Gbps); expandable to 48 ports ● Dual redundant hot-swappable power supplies ● Four individual redundant hot-swappable fans ● One 1-PPS timing port, with the RF1.0/2.3 QuickConnect connector type* ● Two 10/100/1000-Mbps management ports ● One RS-232 serial console port ● One USB port ● Locator LED ● Locator LED button 	
Performance	<ul style="list-style-type: none"> ● 480-Gbps switching capacity ● Forwarding rate of 360 mpps ● Line-rate traffic throughput (both Layer 2 and 3) on all ports ● Configurable MTUs of up to 9216 bytes (jumbo frames) 	
Typical operating power	● 142W	
Maximum power	● 245W	
Typical heat dissipation	● 484 BTUs per hr	
Maximum heat dissipation	● 835 BTUs per hr	
Mode	Normal Mode	Warp Mode
Number of MAC addresses	64,000	8000
Number of IPv4 unicast routes	24,000	4,000
Number of IPv4 hosts	64,000	8000
Number of IPv4 multicast routes	8000	8000
Number of VLANs	4096	
Number of ACL entries	4096	
Number of spanning-tree instances	Rapid Spanning Tree Protocol (RSTP): 512 Multiple Spanning Tree (MST) Protocol: 64	
Number of EtherChannels	24	
Number of ports per EtherChannel	24	

Buffer size	6 MB shared among 16 ports; 18 MB total
Boot flash memory	2 GB (3524P and 3548P models) 4 GB (3524X and 3548X models)
Power	
Number of power supplies	2 (redundant)
Power supply types	<ul style="list-style-type: none"> ● AC (forward and reversed airflow) ● DC (forward and reversed airflow)
Input voltage	100 to 240 VAC
Frequency	50 to 60 Hz
Power supply efficiency	89 to 91% at 220V
Cooling	<p>Forward and reversed airflow schemes</p> <ul style="list-style-type: none"> ● 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) <p>Four individual, hot-swappable fans (3+1 redundant)</p>
Environment	
Dimensions (height x width x depth)	1.72 x 17.3 x 18.38 in. (4.36 x 43.9 x 46.7 cm)
Weight	17.4 lb (7.9 kg)
Operating temperature	32 to 104° F (0 to 40°C)
Storage temperature	-40 to 158° F (-40 to 70°C)
Relative humidity (operating)	<ul style="list-style-type: none"> ● 10 to 85% noncondensing ● Up to 5 days at maximum (85%) humidity ● Recommend ASHRAE data center environment
Relative humidity (nonoperating)	5 to 95% noncondensing
Altitude	0 to 10,000 ft (0 to 3000m)

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