Cisco N9300-SE1 Series Switches



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Product overview

Artificial Intelligence and Machine Learning (AI/ML) applications are being used increasingly in today's data centers, and the Cisco N9000 Series Switches have the hardware and software capabilities to provide the right latency, congestion-management mechanisms, and telemetry to meet the requirements of those applications. The Cisco N9000 Series Switches address the need for high-performance, power-efficient, compact switching in the networking infrastructure and are designed to support 100G fabrics for next-generation leaf and spine designs.

Large-cloud and data-center networking teams require a flexible, reliable solution helps admins manage, troubleshoot, and analyze their IT infrastructure. In addition, they need security, automation, visibility, analytics, and assurance. Coupled with tools such as Nexus® Dashboard, Cisco N9000 Series Switches are ideal platforms for building a high-performance AI/ML network fabric.

Based on the Cisco® Silicon One® E100 ASIC, these platforms support cost-effective large-scale deployments, an increased number of endpoints, and is capable of wire-rate encryption. The platform is built on modern system architecture designed to provide high performance and meet the evolving needs of highly scalable data centers and growing enterprises.

Designed for the programmable network, the Cisco NX-OS operating system automates configuration and management for customers who want to take advantage of the DevOps operation model and tool sets.

Cisco also supports Nexus Hyperfabric™, which is a vertically integrated cloud managed solution that is supported on select Cisco N9300 Switches.



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Cisco N9300 SE1 Series Switches capabilities

Note: This data sheet describes hardware capabilities only. Please refer to Cisco N9336C-SE1 Readme, Cisco N9396Y(/T)-SE1 Readme, and Cisco N9348Y12C Readme documents, NX-OS software release notes and appropriate feature documentation for more details on software support.

Table 1. Cisco N9300 SE1 Series Switches capabilities

Features and benefits	Description
Architectural flexibility	• Cisco N9300 Series Switches support Cisco NX-OS VXLAN EVPN, Cisco IP Fabric for Media, Cisco Nexus Dashboard, and IP routed or Ethernet-switched Layer-2 fabrics using a comprehensive set of unicast and multicast IPv6/IPv4 and Ethernet protocols. • Purpose-built Cisco NX-OS Software operating system with comprehensive, proven innovations. The operating system is modular, with a dedicated process for each routing protocol: a design that isolates faults while increasing availability. • Cisco Nexus Hyperfabric is the cloud-managed operating model for Cisco Nexus One. It revolutionizes data- center networking by offering a fFabric as a sService, whichthat simplifies deployment and management of network fabrics. It provides a scalable, easy-to-use platform that reduces complexity and enhances operational efficiency, making it ideal for the modern data center. • Support for standards-based VXLAN EVPN fabrics, inclusive of hierarchical multisite support. • Three-tier BGP architectures, enabling horizontal, nonblocking IPv6 network fabrics at web scale. • Comprehensive protocol support for Layer-3 (v4 and v6) unicast and multicast routing protocol suites, including BGP, Open Shortest Path First (OSPF), Interior System to Interior System (IS-IS), Enhanced Interior Gateway Routing Protocol (EIGRP), Routing Information Protocol Version 2 (RIPv2), Protocol Independent Multicast Sparse Mode (PIM-SM), Source-Specific Multicast (SSM), and Multicast Source Discovery Protocol (MSDP). • Segment Routing (SR) allows the network to forward Multiprotocol Label Switching (MPLS) packets and engineer traffic without Resource Reservation Protocol (RSVP) Traffic Engineering (TE). It provides a control-plane alternative for increased network scalability and virtualization. • Cisco IP Fabric for Media helps you migrate from an SDI router to an IP-based infrastructure. In an IP-based infrastructure, a single cable has the capacity to carry multiple bidirectional traffic flows and can support different flow sizes without requiring changes to the physical infrastructure. • Cisco Nexus Dashboard provides customers with complete observability across their network and solution(s) that can help them identify and mitigate security threats, realize and remediate performance bottlenecks, adhere to data compliance, and have insight into capacity-planning operations.

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Features and benefits	Description
Extensive programmability	• Day-0 automation through Power on Auto Provisioning (POAP), drastically reducing provision time. • Industry-leading integrations for leading DevOps configuration management applications, such as Ansible. Extensive Native YANG, and industry-standard OpenConfig model support through RESTCONF/NETCONF/gNMI. • REST API interacting with Cisco NX-OS Software Data Management Engine (DME). • Model-driven telemetry enhances network observability. • Third-party application-hosting using Cisco Application Framework (CAF).
High scalability, flexibility, and security	• IEEE 802.1ae MAC security (MACsec) capability on all ports, which allows traffic encryption at the physical layer and provides secure server, border leaf, and leaf-to-spine connectivity. It is also capable of supporting IPSec and VXLANsec.
AI/ML networking	• Cisco N9300 Series Switches support innovative congestion management and flow control algorithms along with the latency and telemetry needed to meet the design requirements of AI/ML fabrics. Refer to Cisco NX-OS release notes to check features supported.
Hardware and software high availability	• Virtual Port-Channel (vPC) technology provides Layer-2 multipathing through the elimination of Spanning Tree Protocol (STP). • Capable of fabric link in the VXLAN environment, eliminating the need for peer-to-peer VPC • The Equal-Cost Multipath (ECMP) routing enables the use of Layer-3 fat-tree designs. This feature helps organizations prevent network bottlenecks, increase resiliency, and add capacity with little network disruption. • Software Maintenance Upgrades (SMUs) contain fixes for a specific defect and provide a quick resolution of critical issues. • The switches use hot-swappable Power-Supply Units (PSUs) and fans with N+1 redundancy.
Cisco Nexus Dashboard	• Cisco Nexus Dashboard is a platform that transforms data-center networks through simplicity, automation, and analytics. Cisco Nexus Dashboard is a central management console for multiple data center sites and a common platform for hosting Cisco data center operation services. These services are available for all the data center fabrics and provide real-time analytics, visibility, assurance for network policies and operations, as well as policy orchestration for the data center fabrics, such as NX-OS deployments spanning LAN Fabric, SAN, and IP Fabric for Media (IPFM) networks. Cisco Nexus Dashboard 4.1 integrates multiple services like Insights, Orchestrator, and Fabric Controller into a single, seamless platform for data center operations.

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Switch model

Table 2. Cisco N9300-SE1 Series Switches

Model	Description
Cisco N9336C-SE1 Switch	36-port 40/100 Gbps QSFP28 Switch
Cisco N9396T12C-SE1 Switch	96-port 100M/1/10 GBASE-T + 12-port 40/100 Gbps QSFP28 Switch*
Cisco N9396Y12C-SE1 Switch	48-port 1/10/25 Gbps SFP + 48 x 1/10/25/50 Gbps SFP + 12 x 40/100 Gbps QSFP28 Switch
Cisco N9348Y12C-SE1 Switch	32 x 1/10/25-Gbps SFP + 16 x 1/10/25/50-Gbps SFP + 12 x 40/100-Gbps QSFP28 ports

*** 100M/1G is not supported in the first software release. Please refer to ReadMe First, Release Notes and Config Guide for the latest supported speeds.**

The **Cisco N9336C-SE1** switch (Figure 1) is a 1RU switch that supports 7.2 Tbps of bandwidth and over 2.6Bpps. The switch can be configured to work as 1/10/25/40/50/100-Gbps offering flexible options in a compact form factor. Breakout is supported on all ports. Please refer to product specifications table below for more information.



Figure 1. Cisco N9396T12C-SE1 switch

The **Cisco N9396T12C-SE1** switch (Figure 2) is a 2RU switch that supports 4.2 Tbps of bandwidth and over 2.6Bpps. The 96 10GBASE-T downlink ports on the 9396T12C-SE1 can be configured to work as 100-Mbps, 1-Gbps, or 10-Gbps ports. The 12 uplinks ports can be configured as 40- and 100-Gbps ports, offering flexible migration options.



Figure 2. Cisco N9396T12C-SE1 switch

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The **Cisco N9396Y12C-SE1** switch (Figure 3) is a 2-Rack-Unit (2RU) switch that supports 9.6 Tbps of bandwidth and 2.304 Bpps across 48 fixed 1/10/25G SFP+ ports (row-2 and row-3 ports), 48 fixed 1/10/25G/50G SFP56 ports (row-1 and row-4 ports) and 12 fixed 40/100G QSFP28 ports. The 96 ports of downlinks support 1/10/25-Gbps. The 12 uplinks ports can be configured as 40- and 100-Gbps ports, offering flexible migration options. Please refer to product specifications table below for more information.

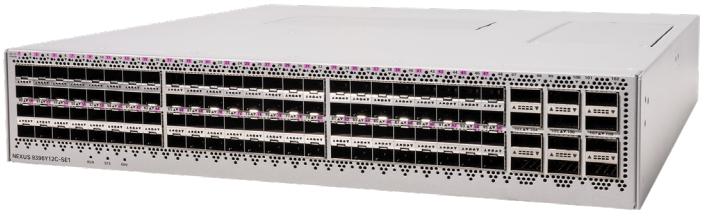


Figure 3. Cisco N9396Y12C-SE1 switch

The **Cisco N9348Y12C-SE1** switch (Figure 4) is a 1RU switch that supports 5.6 Tbps of bandwidth. The 32 ports of downlinks support 1/10/25-Gbps and 16 ports support 1/10/25/50-Gbps. The 12 uplink ports can be configured as 40- and 100-Gbps ports, offering flexible migration options. The switch is ideal for a non-oversubscribed solution in a compact form factor. Please refer to product specifications table below for more information.



Figure 4. Cisco N9348Y12C-SE1 switch

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Product specifications

Table 3. Cisco N9300-SE1 Series Switch specifications

Feature	Cisco N9336C-SE1	Cisco N9396T12C-SE1	Cisco N9396Y12C-SE1	Cisco N9348Y12C-SE1
Ports	36 x 40/100-Gbps QSFP28 ports	96 x 100M/1/10 GBASE-T + 12 x 40/100-Gbps QSFP28 ports*	48 x 1/10/25-Gbps SFP + 48 x 1/10/25/50-Gbps SFP + 12 x 40/100-Gbps QSFP28 ports	32 x 1/10/25-Gbps SFP + 16 x 1/10/25/50-Gbps SFP + 12 x 40/100-Gbps QSFP28 ports
CPU	6 cores	6 cores	6 cores	6 cores
System memory	Default: 32 GB Expandable: 32 GB	Default: 32 GB Expandable: 32 GB	Default: 32 GB Expandable: 32 GB	Default: 32 GB Expandable: 32 GB
SSD drive	128 GB	128 GB	128 GB	128 GB
System buffer	64 MB	64 MB	64 MB	64 MB
Management ports	2 ports: 1 RJ-45 and 1 SFP	2 ports: 1 RJ-45 and 1 SFP	2 ports: 1 RJ-45 and 1 SFP	2 ports: 1 RJ-45 and 1 SFP
USB ports	1	1	1	1
RS-232 serial ports	1	1	1	1
Power supplies	750W/1100W AC port-side intake and port-side exhaust 1100W DC port-side intake and port-side exhaust 1100W HVAC/HVDC port-side intake and port-side exhaust	1400W AC port-side intake and port-side exhaust 2000W DC port-side intake and port-side exhaust 2000W HVAC/HVDC port-side intake	1400W AC port-side intake and port-side exhaust 2000W DC port-side intake and port-side exhaust 2000W HVAC/HVDC port-side intake	650W AC port-side intake and port-side exhaust 930W DC port-side intake and port-side exhaust 1200W HVAC/HVDC port-side intake
Typical power (AC/DC)	320 W	583W(PI) 631W(PE)	325W(PI) 346W(PE)	265W(PI) 275W(PE)
Maximum power (AC/DC)	450 W	794W(PI) 678W(PE)	683W(PI) 770W(PE)	410W(PI) 490W(PE)
Input voltage (AC)	100V to 240 V	100V to 127V 200V to 240V	100V to 127V 200V to 240V	100-240V

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Feature	Cisco N9336C-SE1	Cisco N9396T12C-SE1	Cisco N9396Y12C-SE1	Cisco N9348Y12C-SE1
Input voltage (High-Voltage AC [HVAC])	100V to 277V	200 to 277V	200 to 277V	200 to 277V
Input voltage (DC)	48V to 60V	48V to 60V	48V to 60V	48V to 60V
Input voltage (High-Voltage DC [HVDC])	240V to 360V	240V to 380V	240V to 380V	240V to 380V
Frequency (AC)	50 to 60 Hz	50 to 60 Hz	50 to 60 Hz	50 to 60 Hz
Fans	6	3	3	4
Airflow	Port-side intake and exhaust	Port-side intake and exhaust	Port-side intake and exhaust	Port-side intake and exhaust
Physical dimensions (H x W x D)	1.72”x17.3”x22.47”	3.4”x17.41”x18.53”	3.4”x17.41”x18.42”	1.72”x 17.3” x18”
Acoustics	Port-side intake: 71.6 dBA at 50% fan speed 79.8 dBA at 70% fan speed 87.6 dBA at 100% fan speed Port-side exhaust: 71.2 dBA at 50% fan speed 77.8 dBA at 70% fan speed 86.1 dBA at 100% fan speed	Port-side intake: 75.3 dBA at 50% fan speed 84.8 dBA at 70% fan speed 96.4 dBA at 100% fan speed Port-side exhaust: 76 dBA at 50% fan speed, 83.3 dBA at 70% fan speed 92.5 dBA at 100% fan speed	Port-side intake: 76.0 dBA at 50% fan speed 84.9 dBA at 70% fan speed 94.7 dBA at 100% fan speed Port-side exhaust: 75.0 dBA at 50% fan speed 83.9 dBA at 70% fan speed 96.2 dBA at 100% fan speed	Port-side intake: 70.7 dBA at 50% fan speed 82.2 dBA at 80% fan speed 86.9 dBA at 100% fan speed Port-side exhaust: 73.7 dBA at 60% fan speed 80.4 dBA at 80% fan speed 85.9 dBA at 100% fan speed
RoHS compliance	Yes	Yes	Yes	Yes
MTBF	282,250 hours	310,930 hours	354,280 hours	322,260 hours
Minimum NX-OS image	10.6.1	10.6.2	10.6.2	10.6.3
Minimum Hyperfabric version	Hyperfabric 26-03	N/A	N/A	N/A

*** 100M/1G is not supported in the first software release. Please refer to ReadMe First, Release Notes and Config Guide for the latest supported speeds.**

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Table 4 presents the power supply part numbers compatible with Cisco N9300-SE1 Series Switches.

Table 4. Power Supply compatibility

Cisco N9300-SE1 Series Switches	Power Supply Part Number
Cisco N9336C-SE1	NXA-PAC-750W-PE NXA-PAC-750W-PI NXA-PAC-1100W-PE NXA-PAC-1100W-PI NXA-PDC-1100W-PE NXA-PDC-1100W-PI NXA-PHV-1100W-PE NXA-PHV-1100W-PE
Cisco N9396T12C-SE1	NXA-PAC-1400W-PI NXA-PAC-1400W-PE NXA-PDC-2KW-PI
Cisco N9396Y12C-SE1	NXA-PAC-1400W-PI NXA-PAC-1400W-PE NXA-PDC-2KW-PI
Cisco N9348Y12C-SE1	NXA-PAC-650W-PI NXA-PAC-650W-PE NXA-PDC-930W-PI NXA-PDC-930W-PE N9K-PUV-1200W

Table 5 presents the fan part numbers compatible with Cisco N9300-SE1 Series Switches.

Table 5. Fan Compatibility

Cisco N9300-SE1 Series Switches	Fan Part Number
Cisco N9336C-SE1	NXA-SFAN-35CFM-PI NXA-SFAN-35CFM-PE
Cisco N9396T12C-SE1	NXASFAN-160CFM2PI NXASFAN-160CFM2PE
Cisco N9396Y12C-SE1	NXASFAN-160CFM2PI NXASFAN-160CFM2PE
Cisco N9348Y12C-SE1	NXA-SFAN-35CFM-PI NXA-SFAN-35CFM-PE

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Table 6 lists the performance and scalability specifications for the Cisco N9300-SE1 Series Switch. (Check the software release notes for feature support information.)

Table 6. Hardware performance and scalability specifications[1]

Item	Cisco N9300-SE1 Series Switches
Maximum number of IPv4 Longest Prefix Match (LPM) routes	2M
Maximum number of IPv4 host entries	1.25M
Maximum number of IPv6 Longest Prefix Match (LPM) routes	1M
Maximum number of IPv6 host entries	640K
Maximum number of MAC address entries	1.25M
Maximum number of multicast routes	128K
Number of Internet Group Management Protocol (IGMP) snooping groups	128K
Maximum number of Access Control List (ACL) entries ingress/ egress	136K/136K
Maximum number of VLANs	4096[2]
Number of Virtual Routing and Forwarding (VRF) instances	2044
Maximum number of ECMP paths	128-way
Maximum number of port channels	5000
Maximum number of links in a port channel	4000
Number of active SPAN sessions	24
Maximum number of VLANs in Rapid per-VLAN Spanning Tree (RPVST) instances	4000
Maximum number of Hot-Standby Router Protocol (HSRP) groups	1000
Number of Network Address Translation (NAT) entries	8000
Maximum number of Multiple Spanning Tree (MST) instances	64
Number of queues	8

[1] Refer to the Cisco N9000 Series Verified Scalability Guide documentation for scalability numbers validated for specific softwarereleases.

[2] 27 VLANs out of 4096 are reserved.

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Table 7 lists the environmental properties, and Table 8 lists the weights of the Cisco N9300-SE1 Series Switch.

Table 7. Environmental properties

Property	Description
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)

Table 8. Weight

Component	Weight
Cisco N9336C-SE1 without power supplies or fans	17.4 lb (7.9kg)
Cisco N9396T12C-SE1 without power supplies or fans	24.34 lb (11.04kg)
Cisco N9396Y12C-SE1 without power supplies or fans	40 lb (18.8kg)
Cisco N9348Y12C-SE1 without power supplies or fans	16.39 lb (7.43 kg)
750W AC power supply	2.1lb (0.95kg)
1100W AC power supply	2.3 lb (1kg)
1100W DC power supply	2.3 lb (1kg)
1100W HVDC/HVAC power supply	2.3 lb (1kg)
1400W AC power supply	2.64 lb (1.2 kg)
2000W DC power supply	2.42 lb (1.1 kg)
2000W HVDC/HVAC power supply	2.42 lb (1.1 kg)
650W AC power supply	2.42 lb (1.1kg)
930W AC power supply	2.42 lb (1.1kg)
1200W AC power supply	2.42 lb (1.1kg)
Fan tray: NXA-SFAN-35CFM-PE or NXA-SFAN-35CFM-PI	0.27 lb (0.12kg)
Fan tray: NXASFAN-160CFM2PI or NXASFAN-160CFM2PE	1.3 lb (0.59 kg)

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Table 9 summarizes regulatory standards compliance for the Cisco N9300-SE1 Series Switches.

Table 9. Regulatory standards compliance: safety and EMC

Specification	Description
Regulatory compliance	Complies with CE markings according to directives 2004/108/EC and 2006/95/EC.
Safety	NEBS The safety markings are specific to N9396Y12C-SE1. • 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 For N9396Y12C-SE1: • IEC 62368-1 3rd Edition • UL 60950-1, Second Edition • UL 62368-1 3rd Edition • AS/NZS 62368-1 3rd Edition • CAN/CSA-C22.2 No.60950-1-07 • CAN/CSA-C22.2 No.62368-1-19 3rd Edition • CNS15598-1:2020 For N9348Y12C-SE1: • UL 62368-1 3rd Edition • CAN/CSA-C22.2 No. 62368 3rdEdition • EN 62368-1 2nd Edition • IEC 62368-1 3rd Edition • AS/NZS 62368.1:2022 • CNS 15598-1:2020 • UL 60950-1 2nd Edition

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Specification	Description
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 For N9396Y12C-SE1: • 47 CFR Part 15:2016 • CISPR32:2012:Ed:1 • CISPR32:2015:Ed:2 • CNS 15936:2016 • EN 55032:2012 • EN 55032:2015 • EN 55032:2015/A11:2020 • EN 61000-3-3:2013+A1:2019 • EN IEC 61000-3-2:2019+A1:2020 • EN300 386:2012:V1.6.1 • EN300 386:2021:V2.1.23 • ICES-003:2020:Iss:7 • KS C 9610-3-2:2020 • KS C 9610-3-3:2020 • KS C 9832:2019 • VCCI-CISPR 32:2016 For N9348Y12C-SE1: • 47CFR Part 15 (CFR 47) Class A • AS/NZS CISPR32 Class A • CISPR32 Class A • EN55032 Class A • ICES003 Class A • VCCI-CISPR32 Class A • EN61000-3-2 • EN61000-3-3 • KS C 9832 Class A • KS C 9610-3-2 • KS C 9610-3-3 • CNS15936 Class A • EN 300386

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Specification	Description
EMC: Immunity	• EN55024 • CISPR24 • EN300386 • KN 61000-4 series For N9396Y12C-SE1: • CISPR24:2010+A1:2015 • CISPR35:2016:Ed:1 • EN 55035:2017 • EN 55035:2017/A11:2020 • EN IEC61000-6-1:2019 • EN300 386:2012:V1.6.1 • EN300 386:2021:V2.1.23 • EN61000-6-1:2007 • EN61000-6-2:2005 • EN61000-6-2:2019 • IEC61000-6-1:2016:Ed:3 • IEC61000-6-2:2016:Ed:3 • KS C 9835:2019 For N9348Y12C-SE1: • EN55035 • CISPR35 • EN300386 • KS C 9835 • EN 61000-6-1 • EN 61000-6-2
RoHS	The product is RoHS-6 compliant with exceptions for leaded-ball grid-array (BGA) balls and lead press-fit connectors.

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Software licensing and Cisco Optics supported

The software packaging for Cisco N9000 Series Switches offers flexibility and a comprehensive feature set. The default system software has a comprehensive Layer-2 security and management feature set. To enable additional functions, including Layer-3 IP unicast and IP multicast routing and Cisco Nexus Data Broker, you must install additional licenses. To meet customer requirements, licensing is available as both subscription and perpetual. The licensing guide illustrates the software packaging and licensing available to enable advanced features.

For the latest software release information and recommendations, refer to the product bulletin at https://www.cisco.com/go/n9000.

For details about Cisco Optics modules that are available and the minimum software release required for each supported module, visit https://www.cisco.com/en/US/products/hw/modules/ps5455/products_device_support_tables_list.html.

Ordering information

Table 10 presents ordering information for the Cisco N9300-SE1 Series Switches.

Table 10. Ordering information

Part number	Product description
Base part numbers	
N9336C-SE1	Cisco N9300 36 x 40/100 Gbps QSFP28 ports
N9396T12C-SE1	Cisco N9300 96 x 100M/1/10 GBASE-T + 12 x 40/100 Gbps QSFP28 ports
N9396Y12C-SE1	Cisco N9300 48 x 1/10/25 Gbps SFP + 48 x 1/10/25/50 Gbps SFP + 12 x 40/100 Gbps QSFP28 ports
N9348Y12C-SE1	Cisco N9300 32 x 1/10/25-Gbps SFP + 16 x 1/10/25/50-Gbps SFP + 12 x 40/100-Gbps QSFP28 ports
Power supplies	
NXA-PAC-750W-PE	Cisco N9300 PSU, 750W AC power supply, port-side exhaust
NXA-PAC-750W-PI	Cisco N9300 PSU, 750W AC power supply, port-side intake
NXA-PAC-1100W-PE	Cisco N9300 PSU, 1100W AC power supply, port-side exhaust
NXA-PAC-1100W-PI	Cisco N9300 PSU, 1100W AC power supply, port-side intake
NXA-PDC-1100W-PE	Cisco N9300 PSU, 1100W DC power supply, port-side exhaust
NXA-PDC-1100W-PI	Cisco N9300 PSU, 1100W DC power supply, port-side intake

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Part number	Product description
NXA-PHV-1100W-PE	Cisco N9300 PSU, 1100W power supply, supports HVAC/HVDC, port side exhaust
NXA-PHV-1100W-PI	Cisco N9300 PSU, 1100W power supply, supports HVAC/HVDC, port side intake
NXA-PAC-1400W-PI	Cisco N9300 PSU, 1400W AC power supply, port-side intake
NXA-PAC-1400W-PE	Cisco N9300 PSU, 1400W AC power supply, port-side exhaust
NXA-PDC-2KW-PI	Cisco N9300 PSU, 2000W power supply, supports HVAC/HVDC, port side intake
NXA-PAC-650W-PE	Cisco N9300 PSU, 650W AC power supply, port-side exhaust
NXA-PAC-650W-PI	Cisco N9300 PSU, 650W AC power supply, port-side intake
NXA-PDC-930W-PE	Cisco N9300 PSU, 930W DC power supply, port side exhaust
NXA-PDC-930W-PI	Cisco N9300 PSU, 930W DC power supply, port side intake
NXA-PHV-1200W	Cisco N9300 PSU, 1200W power supply, supports HVAC/HVDC
Fans	
NXA-SFAN-35CFM-PE	Cisco N9300 fan, 35CFM, port-side exhaust airflow
NXA-SFAN-35CFM-PI	Cisco N9300 fan, 35CFM, port-side intake airflow
NXASFAN-160CFM2PE	Cisco N9300 fan, 160CFM, port-side exhaust airflow
NXASFAN-160CFM2PI	Cisco N9300 fan, 160CFM, port-side intake airflow
Accessories	
NXK-ACC-KIT-1RU	Cisco N9300 fixed accessory kit for 4-post rack
NXK-ACC-KIT-2P	Cisco N9300 fixed accessory kit for 2-post rack
NXK-ACC-RMK-1RU	Cisco N9300 fixed accessory kit for 4-post rack
NXK-ACC-RMK2-2RU	Cisco N9300 fixed accessory kit for 4-post rack

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Warranty, service, and support

Cisco N9300-SE1 switches have a one-year limited hardware warranty. The warranty includes hardware replacement with a 10-day turnaround from receipt of a Return Materials Authorization (RMA).

Cisco offers a range of professional, solution, and product support services for each stage of your Cisco N9300-SE1 Series Switch deployment:

- Cisco Data Center Quick Start Service for Cisco N9000 Series Switches: This offering provides consulting services that include technical advice and assistance to help deploy Cisco N9000 Series Switches.
- Cisco Data Center Accelerated Deployment Service for Cisco N9300-SE1 Series Switches: This service delivers planning, design, and implementation expertise to bring your project into production. The service also provides recommended next steps, an architectural high-level design, and operation-readiness guidelines to scale the implementation to your environment.
- Cisco Migration Service for Cisco N9300 Series Switches: This service helps you migrate from Cisco Catalyst® 6000 Series Switches to Cisco N9300-SE1 switches.
- Cisco Product Support: This support service is available globally 24 hours a day, seven days a week, for Cisco software and hardware products and technologies associated with Cisco N9300-SE1 Series Switches. Enhanced support options delivered by Cisco also include solution support for Cisco ACI®, Cisco SMARTnet™ service, and Cisco Smart Net Total Care®* service.
- For more information, visit https://www.cisco.com/go/services.

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Cisco environmental sustainability

Information about Cisco's environmental sustainability policies and initiatives for our products, solutions, operations, and extended operations or supply chain is provided in the "Environment sustainability" section of Cisco's Corporate Social Responsibility (CSR) Report.

Reference links to **information about key environmental sustainability topics** (mentioned in the "Environment sustainability" section of the CSR Report) are provided in the following table:

Sustainability topic	Reference
Information on product material content laws and regulations	Materials
Information on electronic waste laws and regulations, including products, batteries, and packaging	WEEE compliance

Reference links to **product-specific environmental sustainability information** that is mentioned in relevant sections of this data sheet are provided in the following table:

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Sustainability topic	Reference
General	
Product compliance	Table 10. Safety and compliance information
Power	
Power supply	Table 3. Product specifications: power supplies, typical and maximum power specifications
Material	
Unit weight	Table 8. Weight
Dimensions and mean time between failures metrics	Table 3. Product specifications

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