

Refurbished CISCO N9K-SC-A Datasheet

CISCO > SWITCHES

Cisco Nexus 9000 Series Switches

Features and Benefits	
Feature	
Feature	Benefit
High performance	The Cisco Nexus 9500 Series cloud-scale switch delivers up to 172.8 Tbps of nonblocking performance at a latency of 5 microseconds or less at 100-, 50-, 40-, 25-, 10-, and 1-Gigabit Ethernet speeds. This enables customers to build robust and scalable high-speed fabrics that can support several thousands of high-speed access ports.
Telemetry	The Cisco Nexus 9500 Series cloud-scale switches support extensive switch and flow telemetry capabilities that provide extensive real-time visibility into switch and fabric states.
High-density 1-, 10-, 25-, 40- and 50-Gigabit Ethernet access configuration	Organizations can transition from low-speed (100-Megabit Ethernet and 1-Gigabit Ethernet) server access designs to high-speed (1-, 10-, 25-, 40-, and 50-Gigabit Ethernet) server access designs with the same port density.
High-density 10-, 40-, and 100-Gigabit Ethernet aggregation and spine configuration	The Cisco Nexus 9500 Series Switches help organizations transition from 1- and 10-Gigabit Ethernet infrastructure to 10-, 40-, and 100-Gigabit Ethernet infrastructures to support the increased bandwidth demands of scale-out, multinode application environments. The compatibility of 100-Gigabit Ethernet QSFP28 modules with 40-Gigabit Ethernet QSFP+ modules enables the migration and coexistence of 40- and 100-Gigabit Ethernet ports in the fabric.
High availability, reliability, and scalability	The Cisco Nexus 9500 Series Switches are designed with redundant supervisors, system controllers, power supplies, and fan trays, which eliminate any single point of failure in the chassis. These switches also support up to 6 fabric modules, which provide redundancy and graceful degradation of switching capacity in the event of fabric module failures. All transceivers are pluggable to support the highest possible Mean Time Between Failure (MTBF) for the switch.
Designed for the future	The Cisco Nexus 9500 Series Switches are designed for future expansion with the capability to support higher speed ports and more bandwidth.
Power efficiency	The Cisco Nexus 9500 Series Switches are the first switch chassis designed without a midplane. The line cards and fabric modules connect directly. This revolutionary design provides optimal front-to-back airflow and helps the switch operate with less power. In addition, all Cisco Nexus 9500 Series switch power supplies are rated at or higher than 80PLUS Platinum for AC inputs and equivalent efficiency for DC inputs. The typical power consumption per 10-Gigabit Ethernet port is less than 3.5 watts (W). The typical power consumption per 40- and 100-Gigabit Ethernet port is less than 14W and 22W respectively.

Cisco Nexus 9500 Series System Controller Specifications	
Weight	1.91 lb (0.9 kg)
Typical power	14 W
Maximum power	25 W
MTBF hours	1,380,210
Hot swappable	Yes
Airflow	Port-side intake

The next steps...

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