

C9606R-48Y24C-BN-A Datasheet

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Overview

Cisco Catalyst 9600 Series switches are purpose-built for resiliency at scale with the industry's most comprehensive security and allows your business to grow at lowest total operational cost. Built upon the foundation of Catalyst 9000, the Catalyst 9600 Series offers scale and security when always on is a must.

Quick Specs

Table 1 shows the Quick Specs.

Product Code	C9606R-48Y24C-BN-A
Product Description	Catalyst 9600 Series 6 slot, 1xSup, 2xLC , DNA-A LIC
Dimensions (H x W x D)	35.43 x 44.2 x 40.9 cm 13.95 x 17.4 x 16.1 in.
Rack Units (RU)	8
Input voltage	AC: 90V to 264V, 47 to 63 Hz AC DC: -40V to -72V

Product Details

Cisco C9600 Series provide these highlights:

- Hardware ready to support up to 25.6 Tbps in wired switching capacity, with up to 6.4 Tbps bandwidth per slot.
- Up to 9.6 Tbps in wired switching capacity, with 3 Bpps of forwarding performance with the Cisco Catalyst 9600 Series Supervisor Engine 1.
- Up to 48 nonblocking 100 Gigabit Ethernet QSFP28 ports with the Cisco Catalyst 9600 Series Supervisor Engine 1.
- Up to 96 nonblocking 40 Gigabit Ethernet QSFP+ ports with the Cisco Catalyst 9600 Series Supervisor Engine 1.
- Up to 192 nonblocking 25 Gigabit/10 Gigabit Ethernet SFP28/SFP+ ports with the Cisco Catalyst 9600 Series Supervisor Engine 1.
- Platinum-rated AC and DC power supplies.

The Options

Table 2 shows the optional cards, modules, licenses and others of C9606R-48Y24C-BN-A.

Product number	Description
C9600-SUP-1	Cisco Catalyst 9600 Series Supervisor 1 Module
C9600-SUP-1/2	Cisco Catalyst 9600 Series Redundant Supervisor 1 Module
C9600-LC-48YL	Cisco Catalyst 9600 Series 48-Port 25GE/10GE/1GE
C9600-LC-24C	Cisco Catalyst 9600 Series 24-Port 40GE/12-Port 100GE
C9606-FAN	Cisco Catalyst 9600 Series C9606 Chassis Fan Tray
C9K-F2-SSD-240GB	Cisco Catalyst 9600 Series 240GB SSD Storage
C9K-F2-SSD-480GB	Cisco Catalyst 9600 Series 480GB SSD Storage
C9K-F2-SSD-960GB	Cisco Catalyst 9600 Series 960GB SSD Storage
Cisco DNA term licenses	Description
C9600-DNA-A	C9600 Cisco DNA Advantage Term License

C9600-DNA-A-3Y	C9600 Cisco DNA Advantage 3 Year License
C9600-DNA-A-5Y	C9600 Cisco DNA Advantage 5 Year License
C9600-DNA-A-7Y	C9600 Cisco DNA Advantage 7 Year License
C9600-DNA-P	C9600 Cisco DNA Premier License
C9600-DNA-P-3Y	C9600 Cisco DNA Premier 3 Year Term License
C9600-DNA-P-5Y	C9600 Cisco DNA Premier 5 Year Term License
C9600-DNA-P-7Y	C9600 Cisco DNA Premier 7 Year Term License
CAT-DNA-P-ADD	Cisco DNA Premier Catalyst Add-on
CAT-DNA-P-ADD-3Y	Cisco DNA Premier Catalyst Add-on, 3 Year Term License
CAT-DNA-P-ADD-5Y	Cisco DNA Premier Catalyst Add-on, 5 Year Term License
CAT-DNA-P-ADD-7Y	Cisco DNA Premier Catalyst Add-on, 7 Year Term License
Power supplies	Description
C9600-PWR-2KWAC	Cisco Catalyst 9600 Series 2000W AC Power Supply
C9600-PWR-2KWDC	Cisco Catalyst 9600 Series 2000W DC Power Supply
Spare accessories and kits	Description
C9606-SLOT-BLANK	Cisco Catalyst 9600 Series Blank for Chassis Module Slot
C9606-PWR-BLANK	Cisco Catalyst 9600 Series Blank for Chassis Power Supply Slot
CAB-CONSOLE-USB	Console Cable 6ft with USB Type A and mini-B
CAB-CONSOLE-RJ45	Console Cable 6ft with RJ45 and DB9F
C9606-RACK-KIT=	Cisco Catalyst 9600 Series 6 slot chassis Rack Mount
C9606-ACC-KIT=	Cisco Catalyst 9600 Series 6 slot chassis Accessory Kit
C9606-SHELF-KIT=	Cisco Catalyst 9600 Series 6 slot chassis Shelf Install Kit
C9606-FB-23-KIT=	Cisco Catalyst 9600 Series 6 slot chassis Front to Back Kit

Compare to Similar Items

Table 3 shows the comparison.

SKU	C9404R	C9606R-48Y24C-BN-A
Series	Catalyst 9400	Catalyst 9600
Total number of slots	4	6
Line-card slots	2	4
Supervisor engine slots	2	2
Dedicated supervisor engine slot numbers	2 and 3	3 and 4
Maximum Bandwidth scalability per line-card slot	Up to 480 Gbps on all slots	6.4 Tbps (Hardware ready) 2.4 Tbps (With C9600-SUP-1)

Get More Information

Do you have any question about the C9606R-48Y24C-BN-A?

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Specification

C9606R-48Y24C-BN-A Specification	
Product Code	C9606R-48Y24C-BN-A
Product Description	Catalyst 9600 Series 6 slot, 1xSup, 2xLC , DNA-A LIC
Dimensions (H x W x D)	35.43 x 44.2 x 40.9 cm 13.95 x 17.4 x 16.1 in.
Rack Units (RU)	8
Total number of slots	6
Line-card slots	4
Supervisor engine slots	2
Dedicated supervisor engine slot numbers	3 and 4
Supervisor engine redundancy	Yes
Supervisor engines supported	C9600-SUP-1
Maximum bandwidth scalability per line-card slot	6.4 Tbps** 2.4 Tbps***
Number of power supply bays	4
Minimum number of power supplies	2*
Power supplies supported	2000W AC, 2000W DC
Number of fan-tray bays	1
*Fully loaded 9606R chassis, Minimum 3 power supplies required if input voltage is 110V **Hardware ready ***With C9600-SUP-1	
Input voltage	AC: 90V to 264V, 47 to 63 Hz AC DC: -40V to -72V
Operating temperature	-5° to 45° C (23° to 113° F) up to 6000 feet -5° to 40° C (23° to 104° F) up to 10,000 feet
Storage temperature	-40° to 75° C (40° to 167° F)
Relative humidity, operating and nonoperating, noncondensing	10% to 95%, noncondensing
Altitude	-60 to 3000 m (-197 to 9843 feet)
Mean Time Between Failures (MTBF) (hours)	C9606R chassis: 4,113,900 C9606 fan tray: 452,570
Weight of fan tray	3.56 kg(7.85 lb)
Weight of individual PSUs	AC PSU: 1.2 kg (2.65 lb) DC PSU: 1.28 kg (2.82 lb)

<p>Safety certifications</p>	<p>C9606R</p> <ul style="list-style-type: none"> •IEC 60950-1 plus Am1, Am2, Am9, Am10, Am11, Am12 and all deviations and differences •AS/NZS 60950.1.2011 •CAN/CSA-C22.2 No. 60950-1-07 •GB 4943-95 •EN 60950-1; 2006 plus Am1, Am 2, Am9, Am10, Am11, Am12 and all deviations and differences •NOM-019-SCFI-1998 •UL 60950-1, Second Edition
<p>EMI and EMC compliance</p>	<p>47 CFR Part 15 Class A CNS13438: 2006 Class A EN 300 386 V1.6.1 EN61000-3-2: 2014 EN61000-3-3: 2013 ICES-003 Issue 6: 2016 Class A KN 32: 2015 Class A TCVN 7189: 2009 Class A EN 55032:2012/ AC:2013 Class A EN 55032:2015 Class A CISPR 32 Edition 2 Class A V-2/2015.04 Class A V-3/2015.04 Class A CISPR24: 2010 + A1: 2015 EN 300 386 V1.6.1 EN55024: 2010 + A1: 2015 KN35: 2015 TCVN 7317: 2003</p>

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