

Refurbished CISCO C9500-24Q-A Datasheet

CISCO > SWITCHES

Cisco Catalyst 9500 Series Switches

Cisco Catalyst 9500 Series configurations and port density

Model	
Description	Cisco Catalyst 9500 Series 24-port 40 Gigabit Ethernet switch with QSFP+
40G port density	24 (48)
100G Port density	-
10G port density with breakout cable	96

Network module matrix

Model	
C9500-NM-8X	No
C9500-NM-2Q	No

Accessory matrix

Model	
C9500-ACCKITH-19I=	No
C9500-ACCKITH-23I=	No
C9500-4PTH-KIT=	No
C9K-F1-SSD-240G	No
C9500-ACC-KIT-19I=	Yes
C9500-ACC-KIT-23I=	Yes
C9500-4PT-KIT=	Yes
SSD-120G	Yes
C9K-F1-SSD-240G	No
C9K-F1-SSD-480G	No
C9K-F1-SSD-960G	No

Fan and fan tray matrix

Model	
FAN-T4-R (Max # of fans)	Yes (5)
C9K-T1-FANTRAY (Max # of fans)	No

BTU Details for 9500 Power Supplies

Total output BTU (Note: 1000 BTU/hr = 293W) - Model

C9K-PWR-1600WAC-R	N/A
C9K-PWR-1600WDC-R	N/A
C9K-PWR-650WAC-R	N/A
C9K-PWR-930WDC-R	N/A
PWR-C4-950WAC-R	2900
PWR-C4-950WDC-R	2976

Power supply matrix

Model

C9K-PWR-1600WAC-R	No
C9K-PWR-1600WDC-R	No
C9K-PWR-650WAC-R	No
C9K-PWR-930WDC-R	No
PWR-C4-950WAC-R	Yes
PWR-C4-950WDC-R	Yes

Performance specifications

Performance numbers for all switch models

ASIC	UADP 2.0
Switching capacity	Up to 1920 Gbps
Forwarding rate	Up to 1440 Mpps
Total number of MAC addresses	Up to 64,000
Total number of IPv4 routes (Address Resolution Protocol [ARP] plus learned routes)	Up to 64,000 indirect Up to 80,000 host
Total number of IPv6 routes	Up to 32,000 indirect Up to 40,000 host
Total number of IPv4 Multicast routes	Up to 32,000
Total number of IPv6 Multicast routes	Up to 16,000
QoS ACL scale	Up to 18000
Security ACL scale	Up to 18000
FNF entries	Up to 512,000
DRAM	16 GB
Flash	16 GB
VLAN IDs	4094
Total Switched Virtual Interfaces (SVIs)	1000
Jumbo frame	9198 bytes

Minimum software requirements

Model

Description	Cisco Catalyst 9500 Series 24-port 40 Gigabit Ethernet with QSFP+
Minimum software requirement	Open Cisco IOS XE Software Release 16.5.1a

Dimensions, physical specifications, weight, and MTBF

SKU	
Chassis with 2 power supplies and built-in fan	23.6 lb (10.7 kg)
MTBF (hours)	230,770

Safety and compliance information

Description	
Description	Specification
Safety certifications	C9500-12Q, C9500-24Q, C9500-40X, C9500-16X UL 60950-1 CAN/CSA-C22.2 No. 60950-1 EN 60950-1 IEC 60950-1 AS/NZS 60950-1 GB4943 C9500-32C, C9500-32QC, C9500-24Y4C, C9500-48Y4C 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
EMI and EMC compliance	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

Cisco DNA Term Support on the 9500 Series

Model	
C9500-DNA-A-3Y/5Y/7Y or C9500-DNA-E-3Y/5Y/7Y	Yes
C9500-DNA-L-A-3Y/5Y/7Y or C9500-DNA-L-E-3Y/5Y/7Y	No

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