



Specifications

Dimensions, EMI, Acoustic, Mean time between failures

Table 13 shows the dimensions, weights, acoustic, and mean time between failures of all models of Cisco Catalyst 9200 Series switches.

Table 13. Model Dimensions, Weight, and Mean time between failures metrics, and Environmental Ranges

Platform Physical Specifications

Model	Chassis Dimensions		Chassis + FEP + Fan Dimensions (HxWxD)	
	Inches	Centimeters	Inches	Centimeters
C9200-24T	1.73 x 17.5 x 13.8	4.4 x 44.5 x 35.0	1.73 x 17.5 x 15.4	4.4 x 44.5 x 39.1
C9200-24P	1.73 x 17.5 x 13.8	4.4 x 44.5 x 35.0	1.73 x 17.5 x 15.4	4.4 x 44.5 x 39.1
C9200-24PB	1.73 x 17.5 x 13.8	4.4 x 44.5 x 35.0	1.73 x 17.5 x 15.4	4.4 x 44.5 x 39.1
C9200-24PXG	1.73 x 17.5 x 13.8	4.4 x 44.5 x 35.0	1.73 x 17.5 x 15.4	4.4 x 44.5 x 39.1
C9200-48T	1.73 x 17.5 x 13.8	4.4 x 44.5 x 35.0	1.73 x 17.5 x 15.4	4.4 x 44.5 x 39.1

Platform Physical Specifications

Model	Chassis Dimensions		Chassis + FEP + Fan Dimensions (HxWxD)	
	Inches	Centimeters	Inches	Centimeters
C9200-48P	1.73 x 17.5 x 13.8	4.4 x 44.5 x 35.0	1.73 x 17.5 x 15.4	4.4 x 44.5 x 39.1
C9200-48PL	1.73 x 17.5 x 13.8	4.4 x 44.5 x 35.0	1.73 x 17.5 x 15.4	4.4 x 44.5 x 39.1
C9200-48PB	1.73 x 17.5 x 13.8	4.4 x 44.5 x 35.0	1.73 x 17.5 x 15.4	4.4 x 44.5 x 39.1
C9200-48PXG	1.73 x 17.5 x 13.8	4.4 x 44.5 x 35.0	1.73 x 17.5 x 15.4	4.4 x 44.5 x 39.1
C9200L-24T-4G	1.73 x 17.5 x 11.3	4.4 x 44.5 x 28.8	1.73 x 17.5 x 12.9	4.4 x 44.5 x 32.9
C9200L-24P-4G	1.73 x 17.5 x 11.3	4.4 x 44.5 x 28.8	1.73 x 17.5 x 12.9	4.4 x 44.5 x 32.9
C9200L-48T-4G	1.73 x 17.5 x 11.3	4.4 x 44.5 x 28.8	1.73 x 17.5 x 12.9	4.4 x 44.5 x 32.9
C9200L-48P-4G	1.73 x 17.5 x 11.3	4.4 x 44.5 x 28.8	1.73 x 17.5 x 12.9	4.4 x 44.5 x 32.9
C9200L-48PL-4G	1.73 x 17.5 x 11.3	4.4 x 44.5 x 28.8	1.73 x 17.5 x 12.9	4.4 x 44.5 x 32.9

Platform Physical Specifications

Model	Chassis Dimensions		Chassis + FEP + Fan Dimensions (HxWxD)	
	Inches	Centimeters	Inches	Centimeters
C9200L-24T-4X	1.73 x 17.5 x 11.3	4.4 x 44.5 x 28.8	1.73 x 17.5 x 12.9	4.4 x 44.5 x 32.9
C9200L-24P-4X	1.73 x 17.5 x 11.3	4.4 x 44.5 x 28.8	1.73 x 17.5 x 12.9	4.4 x 44.5 x 32.9
C9200L-48T-4X	1.73 x 17.5 x 11.3	4.4 x 44.5 x 28.8	1.73 x 17.5 x 12.9	4.4 x 44.5 x 32.9
C9200L-48P-4X	1.73 x 17.5 x 11.3	4.4 x 44.5 x 28.8	1.73 x 17.5 x 12.9	4.4 x 44.5 x 32.9
C9200L-48PL-4X	1.73 x 17.5 x 11.3	4.4 x 44.5 x 28.8	1.73 x 17.5 x 12.9	4.4 x 44.5 x 32.9
C9200L-24PXG-4X	1.73 x 17.5 x 13.8	4.4 x 44.5 x 35.0	1.73 x 17.5 x 15.4	4.4 x 44.5 x 39.1
C9200L-24PXG-2Y	1.73 x 17.5 x 13.8	4.4 x 44.5 x 35.0	1.73 x 17.5 x 15.4	4.4 x 44.5 x 39.1
C9200L-48PXG-4X	1.73 x 17.5 x 13.8	4.4 x 44.5 x 35.0	1.73 x 17.5 x 15.4	4.4 x 44.5 x 39.1
C9200L-48PXG-2Y	1.73 x 17.5 x 13.8	4.4 x 44.5 x 35.0	1.73 x 17.5 x 15.4	4.4 x 44.5 x 39.1

Platform Physical Specifications

Model	Chassis Dimensions		Chassis + FEP + Fan Dimensions (HxWxD)	
	Inches	Centimeters	Inches	Centimeters
C9200CX-12T-2X2G	1.73 x 10.6 x 6.5	4.4 x 26.9 x 16.5	1.73 x 10.6 x 6.5	4.4 x 26.9 x 16.5
C9200CX-12P-2X2G	1.73 x 10.6 x 9.6	4.4 x 26.9 x 24.4	1.73 x 10.6 x 9.6	4.4 x 26.9 x 24.4
C9200CX-8P-2X2G	1.73 x 10.6 x 9.6	4.4 x 26.9 x 24.4	1.73 x 10.6 x 9.6	4.4 x 26.9 x 24.4

Model	Pounds	Kilograms
C9200-24T	11.02	5.0
C9200-24P	12.12	5.5
C9200-24PB	12.12	5.0
C9200-24PXG	11.33	5.1
C9200-48T	11.02	5.0
C9200-48P	12.12	5.5

Model	Pounds	Kilograms
C9200-48PL	12.12	5.5
C9200-48PB	12.12	5.5
C9200-48PXG	11.98	5.45
C9200L-24T-4G	9.59	4.35
C9200L-24P-4G	10.38	4.71
C9200L-48T-4G	9.97	4.53
C9200L-48P-4G	10.58	4.80
C9200L-48PL-4G	10.58	4.80
C9200L-24T-4X	9.59	4.35
C9200L-24P-4X	10.38	4.71
C9200L-48T-4X	9.97	4.53
C9200L-48P-4X	10.58	4.80
C9200L-48PL-4X	10.58	4.80
C9200L-24PXG-4X	12	5.44

Model	Pounds	Kilograms
C9200L-24PXG-2Y	12	5.44
C9200L-48PXG-4X	12.6	5.71
C9200L-48PXG-2Y	12.6	5.71
C9200CX-12T-2X2G	4.0	1.81
C9200CX-12P-2X2G	6.6	2.99
C9200CX-8P-2X2G	6.6	2.99

Mean time between failures (hours)

C9200-24T	587,800
C9200-24P	422,310
C9200-24PB	434,220
C9200-24PXG	353,960
C9200-48T	571,440
C9200-48P	375,570
C9200-48PL	375,570

Mean time between failures (hours)

C9200-48PB	384,980
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C9200-48PXG	320,440
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C9200L-24T-4G	531,030
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C9200L-24P-4G	392,210
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C9200L-48T-4G	508,700
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C9200L-48P-4G	347,760
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C9200L-48PL-4G	347,760
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C9200L-24T-4X	525,990
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C9200L-24P-4X	390,310
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C9200L-48T-4X	503,400
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C9200L-48P-4X	346,270
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C9200L-48PL-4X	346,270
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C9200L-24PXG-4X	379,410
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C9200L-24PXG-2Y	374,730
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Mean time between failures (hours)

C9200L-48PXG-4X	337,360
C9200L-48PXG-2Y	337,260
C9200CX-12T-2X2G	755,270
C9200CX-12P-2X2G	553,140
C9200CX-8P-2X2G	569,530
PWR-C5-125WAC	3,332,120
PWR-C5-600WAC	1,600,060
PWR-C5-1KWAC	1,600,060
PWR-C6-125WAC	3,332,120
PWR-C6-600WAC	1,600,060
PWR-C6-1KWAC	1,600,060

Environmental ranges

Acoustic noise

Measured per ISO 7779 and declared per ISO 9296

With AC power supply (with 48 PoE+ ports loaded):

- LpA: 42dB typical, 45 dB max
- LwA: 5.3B typical, 5.6B max

Environmental ranges

Bystander positions operating to an ambient temperature of 25°C

With AC power supply (with 24 PoE+ ports loaded):

- LpA: 42dB typical, 45 dB max
- LwA: 5.3B typical, 5.6B max

Typical: Noise emission for a typical configuration

Maximum: Statistical maximum to account for variation in production

Connectors

Table 14 shows the supported connectors for Cisco Catalyst 9200 Series switches.

Table 14. Connectors

Connectors and cabling	<ul style="list-style-type: none">• 1000BASE-T ports: RJ-45 connectors, 4-pair Cat 5E UTP cabling• 1000BASE-T SFP-based ports: RJ-45 connectors, 4-pair Cat 5E UTP cabling• 100BASE-FX, 1000BASE-SX, -LX/LH, -ZX, -BX10, dense wavelength-division multiplexing (DWDM) and Coarse Wavelength-Division Multiplexing (CWDM) SFP transceivers: LC fiber connectors (single-mode or multimode fiber)• 10GBASE-SR, LR, LRM (only C9200), ER, ZR, DWDM SFP+ transceivers: LC fiber connectors (single-mode or multimode fiber)• SFP+ connector• Cisco StackWise-160/80 stacking ports: copper-based Cisco StackWise cabling• Ethernet management port: RJ-45 connectors, 4-pair Cat 5 UTP cabling• Management console port: RJ-45-to-DB9 cable for PC connections, USB-C adaptor, USB adaptor
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Power connectors	<ul style="list-style-type: none">• Internal power supply connector: The internal power supply is an auto-ranging unit. It supports input voltages between 100 and 240 VAC. Use the supplied AC power cord to connect the AC power connector to an AC power outlet.
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For the latest Cisco transceiver module compatibility information, refer to https://www.cisco.com/c/en/us/td/docs/interfaces_modules/transceiver_modules/compatibility/matrix/TMG_CM_Tool_User_Manual.html.

Management and standards support

Table 15 shows management and standards support for Cisco Catalyst 9200 Series switches.

Table 15. Management and standards support*

Description	Specification	
	BRIDGE-MIB	CISCO-NHRP-EXT-MIB
	CISCO-BRIDGE-EXT-MIB	CISCO-NTP-MIB
	CISCO-BULK-FILE-MIB	CISCO-PAGP-MIB
	CISCO-CABLE-DIAG-MIB	CISCO-PORT-SECURITY-MIB
	CISCO-CALLHOME-MIB	CISCO-PORT-STORM-CONTROL-MIB
	CISCO-CEF-MIB	CISCO-POWER-ETHERNET-EXT-MIB
	CISCO-CIRCUIT-INTERFACE-MIB	CISCO-PRIVATE-VLAN-MIB
	CISCO-CONFIG-COPY-MIB	CISCO-PROCESS-MIB
	CISCO-CONFIG-MAN-MIB	CISCO-PRODUCTS-MIB
	CISCO-DEVICE-LOCATION-MIB	CISCO-RF-MIB
	CISCO-DHCP-SNOOPING-MIB	CISCO-RTP-METRICS-MIB
Management	CISCO-EIGRP-MIB	CISCO-RTTMON-ICMP-MIB

Description	Specification
CISCO-EMBEDDED-EVENT-MGR-MIB	CISCO-STACKWISE-MIB
CISCO-ENTITY-FRU-CONTROL-MIB	CISCO-STP-EXTENSIONS-MIB
CISCO-ENTITY-SENSOR-MIB	CISCO-SYSLOG-MIB
CISCO-ENTITY-VENDORTYPE-OID-MIB	CISCO-TCP-MIB
CISCO-ERR-DISABLE-MIB	CISCO-UDLDP-MIB
CISCO-FLASH-MIB	CISCO-VLAN-IFTABLE-RELATIONSHIP-MIB
CISCO-FLOW-MONITOR-MIB	ENTITY-MIB
CISCO-FTP-CLIENT-MIB	HC-ALARM-MIB
CISCO-HSRP-EXT-MIB	HC-RMON-MIB
CISCO-HSRP-MIB	IEEE8023-LAG-MIB
CISCO-IETF-BFD-MIB	IF-MIB
CISCO-IETF-PPVPN-MPLS-VPN-MIB	IP-FORWARD-MIB
CISCO-IETF-PW-MPLS-MIB	IP-MIB

Description	Specification	
	CISCO-IF-EXTENSION-MIB	LLDP-EXT-MED-MIB
	CISCO-IGMP-FILTER-MIB	LLDP-MIB
	CISCO-IMAGE-LICENSE-MGMT-MIB	MAU-MIB
	CISCO-IMAGE-MIB	MPLS-L3VPN-STD-MIB
	CISCO-IP-CBR-METRICS-MIB	MPLS-LSR-STD-MIB
	CISCO-IP-STAT-MIB	MPLS-VPN-MIB
	CISCO-IP-TAP-MIB	OLD-CISCO-CHASSIS-MIB
	CISCO-IP-URPF-MIB	OLD-CISCO-CPU-MIB
	CISCO-IPSEC-FLOW-MONITOR-MIB	OLD-CISCO-INTERFACES-MIB
	CISCO-IPSEC-MIB	OLD-CISCO-IP-MIB
	CISCO-IPSEC-PROVISIONING-MIB	OLD-CISCO-MEMORY-MIB
	CISCO-IPSLA-AUTOMEASURE-MIB	OLD-CISCO-SYS-MIB
	CISCO-IPSLA-ECHO-MIB	OLD-CISCO-TCP-MIB

Description	Specification	
	CISCO-IPSLA-JITTER-MIB	OLD-CISCO-TS-MIB
	CISCO-L2-CONTROL-MIB	POWER-ETHERNET-MIB
	CISCO-L2L3-INTERFACE-CONFIG-MIB	RFC1213-MIB
	CISCO-LAG-MIB	RMON-MIB
	CISCO-LICENSE-MGMT-MIB	RMON2-MIB
	CISCO-LOCAL-AUTH-USER-MIB	SMON-MIB
	CISCO-MAC-NOTIFICATION-MIB	SNMPv2-MIB
	CISCO-MDI-METRICS-MIB	SONET-MIB
	CISCO-MEDIA-METRICS-MIB	TCP-MIB
	CISCO-MEMORY-POOL-MIB	UDP-MIB
	CISCO-MPLS-LSR-EXT-STD-MIB	
	CISCO-NBAR-PROTOCOL-DISCOVERY-MIB	
Standards	EEE 802.1s	RMON I and II standards

Description	Specification
	IEEE 802.1w SNMPv1, v2c, and v3
	IEEE 802.1x
	IEEE 802.1x-Rev
	IEEE 802.3ad
	IEEE 802.3af
	IEEE 802.3at
	IEEE 802.3x full duplex on 10BASE-T, 100BASE-TX, and 1000BASE-T ports
	IEEE 802.1D Spanning Tree Protocol
	IEEE 802.1p CoS prioritization
	IEEE 802.1Q VLAN
	IEEE 802.3 10BASE-T specification
	IEEE 802.3u 100BASE-TX specification
	IEEE 802.3ab 1000BASE-T specification
	IEEE 802.3z 1000BASE-X specification

Description	Specification
	IEEE 802.1AE - 128-bit AES MACsec inter network device encryption with MACsec Key Agreement (MKA)
	IEEE 802.3bz (for mGig PKG SKU's only)
	IEEE 802.3an (10GBase-T) (for mGig PKG SKU's only)