

BRAND NEW & VERIFIED



VERIFIED PRODUCT DATASHEET

C8500L-8S4X

Cisco Network Hardware Specification, Availability and Quote Reference

Product Model	C8500L-8S4X
Document Type	Product Datasheet
Condition	Brand New, Original and Verified
Supplier	Layer23-Switch.com

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C8500L-8S4X Datasheet

The Cisco C8500L-8S4X datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the C8500L-8S4X and integrate it into enterprise or service provider networks with confidence.

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Key Features

High-throughput SD-WAN routing

Delivers up to 10 Gbps IPsec IMIX performance and 19 Gbps with 1400-byte packets, making it a future-ready choice for secure branch aggregation and large-scale site-to-site VPN deployments.

Versatile port mix for flexible networking

Equipped with 4 × 1/10GE SFP+ and 8 × 1GE SFP interfaces, supporting both copper and fiber to simplify migration from Gigabit to 10 Gigabit networks.

Advanced multi-layer security

Incorporates Secure Boot, SUDI device identity, MACsec encryption, and NGFW services such as IPS, URL filtering, and malware defense for comprehensive protection.

x86-based edge computing with dynamic cores

Built on a scalable architecture with resource allocation between service and data planes, ensuring consistent SD-WAN performance and enabling containerized applications.

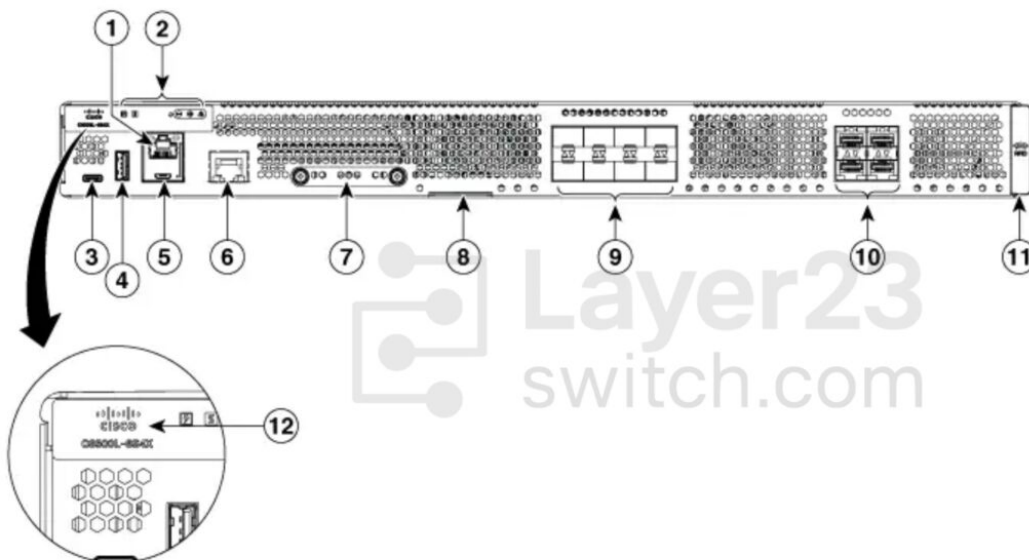
Resilient and redundant design

Features dual high-efficiency power supplies, software redundancy, and hardware integrity verification to maintain uptime and protect critical workloads.

Compact 1RU platform with expandability

Ships with 16 GB DRAM (upgradeable to 64 GB) and supports eUSB or NVMe SSD storage up to 2 TB, combining small form factor with scalable performance for demanding applications.

C8500L-8S4X Front View

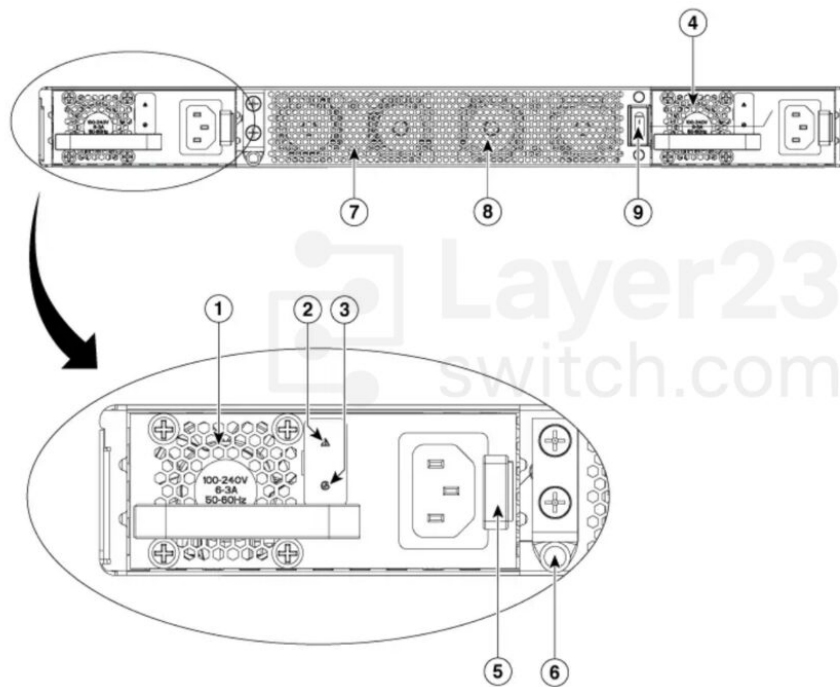


1	RJ45 Console Port	2	Status Indicator LEDs
3	USB Type C Slot	4	USB Type A Slot
5	Micro-USB Console	6	Management Ethernet Port GigabitEthernet0
7	M.2 USB/NVMe Card Slot	8	Device Label Tray
9	SFP Ports GigabitEthernet 0/0/0-0/0/7	10	SFP+ Ports TenGigabitEthernet 0/1/0-0/1/3
11	RFID (Provisionable)	12	Backlit Logo

C8500L-8S4X Rear View

1	Power Supply 1 (PSU1)	2	ALARM Fail LED
3	Status LED	4	Power Supply 0 (PSU0)
5	PSU Latch	6	Ground Lug
7	Fan Tray Vent	8	Internal Fans

9	Power Switch		
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Specification

Parameter	Specification	Parameter	Specification
Model	C8500L-8S4X	Platform Type	Catalyst 8500L Edge Platform
Ports	4x1/10G SFP+, 8x1G SFP	Total Interfaces	12 fiber ports
Controller Mode SD-WAN IPsec (IMIX)	Up to 10 Gbps	Controller Mode IPsec (1400-byte)	Up to 19 Gbps
Overlay Tunnel Scale	6000 (up to 8000 per note)	Autonomous IPv4 Forwarding	Up to 39 Gbps
Autonomous IPsec Throughput	Up to 19 Gbps (1400-byte)	IPsec SVTI Tunnels	4000
DRAM (default / max)	16 GB / 64 GB	Bootflash (eUSB)	16 GB (up to 32 GB)
SSD Option	M.2 NVMe 2 TB (optional)	Form Factor	1RU
Dimensions (HxWxD)	1.73 x 17.50 x 16.25 in	Weight	17 lb
Power Supply Options	Dual 400 W AC / DC / HVDC	Acoustics	Typical 57 dBA; Max 76 dBA

Parameter	Specification	Parameter	Specification
Operating Temperature	0 to 40°C (32 to 104°F)	Humidity (operating)	10% to 85% non-condensing
Altitude	–500 to 10,000 ft	MTBF	240,200 hours
Minimum Software	Cisco IOS XE 17.4.1a	Licensing	Cisco DNA Advantage subscription (Smart Licensing)
Security / Features	Secure Boot, SUDI; SD-WAN, QoS, NBAR, FNF, NAT, ZBFW options	ThousandEyes	Supported (meets agent requirements with sufficient memory/storage)
Compliance	Safety & EMC per datasheet	Accessory Kits	19"/23" rack kits; 4-post kit

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