

BRAND NEW & VERIFIED



VERIFIED PRODUCT DATASHEET

C8500-12X4QC

Cisco Network Hardware Specification, Availability and Quote Reference

Product Model	C8500-12X4QC
Document Type	Product Datasheet
Condition	Brand New, Original and Verified
Supplier	Layer23-Switch.com

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C8500-12X4QC Datasheet



The Cisco C8500-12X4QC datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the C8500-12X4QC and integrate it into enterprise or service provider networks with confidence.

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Key Features

High-throughput SD-WAN edge

up to 31.9 Gbps IPsec IMIX and 96 Gbps with 1400-byte packets, enabling encrypted aggregation for hub-and-spoke or full-mesh topologies.

Versatile uplink mix

12 × 1/10GE SFP+ plus 40/100GE QSFP28 and 40GE QSFP options; supports 4×10GE breakout on 40G ports for dense 10G handoffs (not supported in SD-WAN mode).

Strong autonomous routing

up to 197 Gbps IPv4 forwarding and up to 135 Gbps IPsec, suitable for non-SD-WAN encrypted WAN or data-center edge.

Scale and storage

16 GB default DRAM (upgradeable to 64 GB) and eUSB/SSD options, supporting telemetry, logs, and monitoring agents.

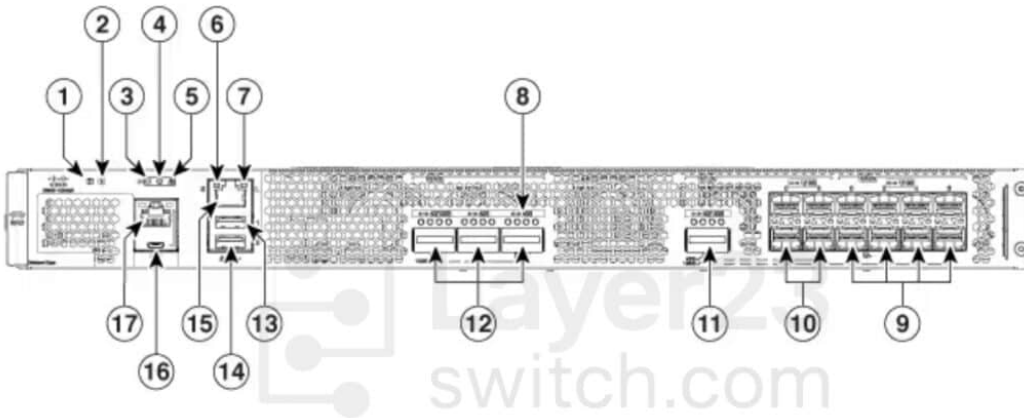
Resiliency built-in

dual power supplies and software redundancy (two IOS processes in routing mode) help maintain service during control-plane events.

Programmatic and secure

hardware-anchored Secure Boot/SUDI with IOS XE APIs for automated policy, QoS, visibility, and segmented VPNs across cloud and WAN.

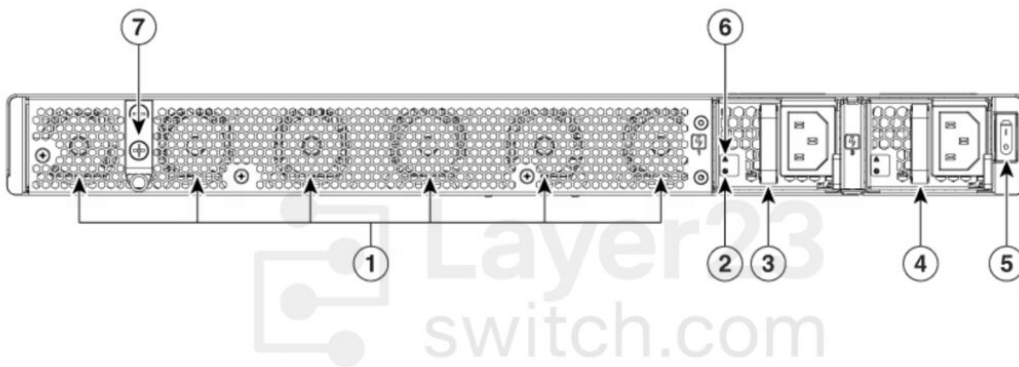
C8500-12X4QC Front View



1	Power LED	11	Bay 1 : Configurable 100G or 40G
2	Status LED	12	Bay 2 : Configurable 1x100G or 3x40G
3 , 4, and 5	Alarm LED	13	USB 1
6 and 7	Management Interface LED	14	USB 0
8	Link Status LED	15	Management Interface
9	Bay 0 : 8x 1/10 GE	16	Micro-USB Console
10	Bay 1 : 4x1/10 GE	17	Console RJ-45

C8500-12X4QC Rear View

1	Fans	5	Power switch
2	Power supply AC input LED	6	Power supply failure LED
3, and 4	PEM 0, PEM 1		—



Specification

Parameter	Specification	Parameter	Specification
Model	C8500-12X4QC (Catalyst 8500 Edge Platform)	Form factor	1RU; 1.73 × 17.50 × 18.46 in; 20.75 lb
Interfaces	12 × 1/10GE SFP+; 2 × 40/100GE QSFP28; 2 × 40GE QSFP	10GE breakout	4×10GE from 40G QSFP (not supported in SD-WAN mode)
Controller-mode SD-WAN IPsec (IMIX)	Up to 31.9 Gbps	Controller-mode IPsec (1400-byte)	Up to 96 Gbps
SD-WAN overlay tunnels	8000 (up to 10000 per note)	Autonomous IPv4 forwarding (1400B)	Up to 197 Gbps
Autonomous IPsec (1400B)	Up to 135 Gbps	IPsec SVTI tunnels (auto)	4000
DRAM (default / max)	16 GB / 64 GB	Bootflash (eUSB)	16G default; 32G option
SSD option	M.2 SATA 480 GB	Redundancy	Dual high-efficiency PSUs; software redundancy (IOS XE routing mode)

