

BRAND NEW &amp; VERIFIED



## VERIFIED PRODUCT DATASHEET

# C8500-12X

Cisco Network Hardware Specification, Availability and Quote Reference

<b>Product Model</b>	<b>C8500-12X</b>
<b>Document Type</b>	<b>Product Datasheet</b>
<b>Condition</b>	<b>Brand New, Original and Verifieded</b>
<b>Supplier</b>	<b>Layer23-Switch.com</b>

<b>200+</b> Countries Sold	<b>18,000+</b> Customers Trusted	<b>\$20M</b> Inventory Available	<b>1-Year</b> Warranty Support
-------------------------------	-------------------------------------	-------------------------------------	-----------------------------------

## Need Price or Availability?

View product details, check stock, or request a fast quotation from Layer23-Switch.

[View Product Page & Request a Quote](#)



## C8500-12X Datasheet

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

[Read More](#) | [Quote](#)



---

### Key Features

#### High-speed IPsec and SD-WAN throughput

Provides line-rate forwarding with up to 12 × 10GE ports, delivering ultra-high encrypted traffic performance for data centers, aggregation sites, and secure WAN connectivity.

#### Cloud-scale security integration

Supports advanced next-generation firewall services, IPS, URL filtering, malware detection, and Secure Internet Gateway (SIG) functions, ensuring multi-layer security from branch to core.

#### Dynamic core allocation and edge computing

Built on a flexible multicore system-on-chip (SoC) architecture with x86-based virtualization, enabling containerized applications, KVM support, and intelligent workload distribution.

#### Rich interface density

Equipped with twelve 10GE SFP+ ports, supporting copper and fiber optics, enabling smooth migration to high-capacity WAN and cloud networks with maximum flexibility.

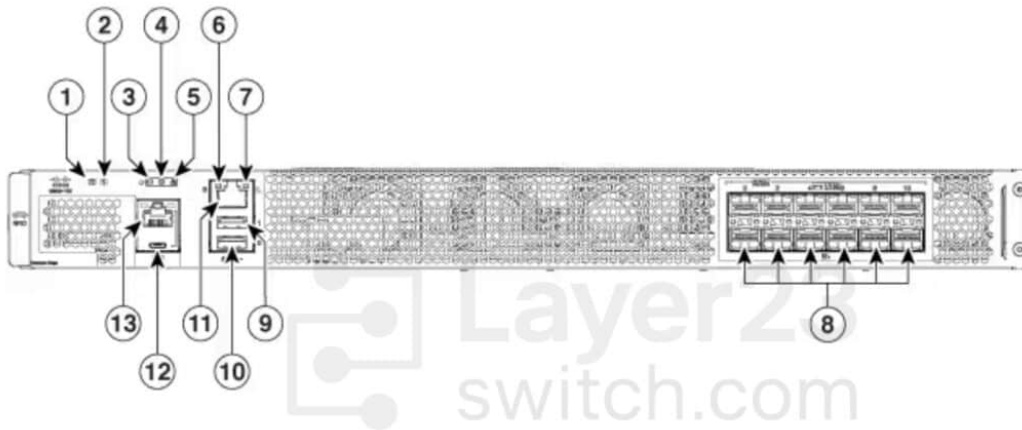
#### Carrier-grade reliability

Designed with dual power supply options, hardware root of trust, secure boot, and redundancy features to ensure uptime and protect against cyber threats in mission-critical deployments.

#### Compact 1RU form factor with scalable memory

Supports up to 128 GB DRAM and terabyte-class NVMe SSD storage, combining dense port capacity with storage and memory scalability for high-performance networking.

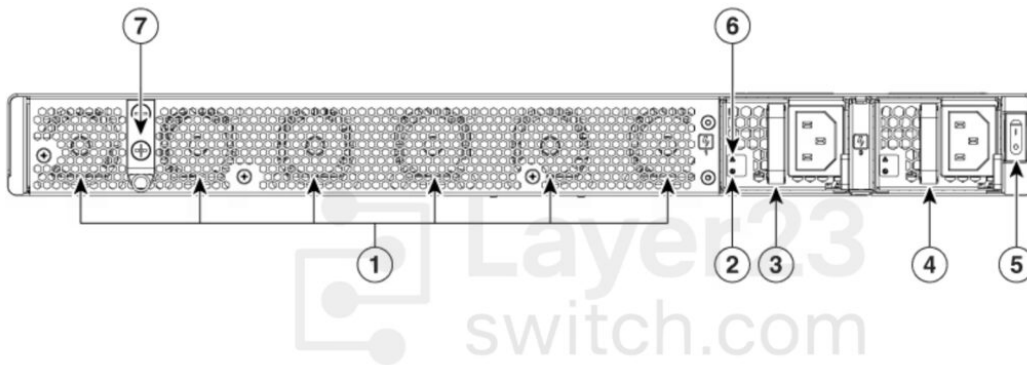
## C8500-12X Front View



1	Power LED	9	USB 1
2	Status LED	10	USB 0
3, 4, and 5	Alarm LEDs	11	Management Interface
6, and 7	Management Interface LEDs	12	Micro-USB Console
8	Bay 0 : 12x 1/10GE SFP+ ports	13	Console RJ-45

## C8500-12X 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
<b>Model</b>	C8500-12X (Catalyst 8500 Edge Platform)	<b>Form factor</b>	1RU; 1.73 × 17.50 × 18.46 in; 20.75 lb
<b>Interfaces</b>	12 × 1/10GE SFP+	<b>Controller-mode SD-WAN IPsec (IMIX)</b>	Up to 22.6 Gbps
<b>SD-WAN overlay tunnels</b>	8000 (up to 10000 per note)	<b>Autonomous IPv4 forwarding (1400B)</b>	Up to 118 Gbps
<b>Autonomous IPsec (1400B)</b>	Up to 84 Gbps	<b>IPsec SVTI tunnels (auto)</b>	4000
<b>DRAM (default / max)</b>	16 GB / 64 GB	<b>Bootflash (eUSB)</b>	16G default; 32G option
<b>SSD option</b>	M.2 NVMe up to 2 TB	<b>Redundancy</b>	Dual high-efficiency PSUs; software redundancy (IOS XE routing mode)
<b>Security / trust</b>	Secure Boot, SUDI; inline hardware-accelerated crypto (QFP)	<b>Minimum software</b>	IOS XE 17.3.2

Parameter	Specification	Parameter	Specification
<b>Operating temperature</b>	0 to 40°C (32 to 104°F)	<b>Humidity</b>	Operating 10–85% (non-condensing); storage 5–95%
<b>Altitude</b>	–500 to 10,000 ft (–152 to 3048 m)	<b>Acoustics</b>	Typical 64 dBA; Max 82 dBA

## Want to Buy

[Order Now](#) [Get a Quote](#)

## Why Layer23-Switch.com

As a leading network hardware supplier, Layer23-Switch.com focuses on original new ICT equipment of Cisco, H3C, Juniper, etc.

**200+** Countries we Sold    **18,000+** Customers Trusted    **\$20,000,000** Inventory Available    **50%–98%** Off Global List Price    **100%** Safe Online Shopping

## Contact Us

- WhatsApp: +8617181189993
- Wechat: layer23-switch
- Telegram: layer23\_switch
- Email: sales@layer23-switch.com

### Need Price and Availability for C8500-12X?

View product details, request a quote, or check current stock from Layer23-Switch.

[View Product Details & Request a Quote](#)