C9400-LC-24XS DataSheet

C9400-LC-24XS: 24-port 10G SFP+ fiber line card with MACsec, jumbo frame, and 480 Gbps bandwidth—ideal for high-performance aggregation.

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## C9400-LC-24XS Description

The C9400-LC-24XS is a 24-port 10G SFP+ fiber line card designed for Cisco Catalyst 9400 Series modular switches. With flexible support for both 1G and 10G SFP+ transceivers, it is ideal for high-speed uplink and aggregation roles in campus or metro access networks. The module supports MACsec-256 encryption, jumbo frames, and Energy Efficient Ethernet (EEE), and achieves full 480 Gbps per-slot bandwidth when paired with SUP-2XL. It is particularly suited for fiber-based aggregation and secure infrastructure deployments.

## Specification

| Parameter | Description |
|---|---|
| Model | C9400-LC-24XS |
| Port Count | 24 × SFP+ ports |
| Port Speed | 1G/10G Fiber |
| PoE Support | Not supported |
| MACsec | 256-bit encryption supported |
| Slot Bandwidth | Up to 480 Gbps |
| Supervisor Compatibility | C9400X-SUP-2, SUP-2XL only |
| Chassis Compatibility | C9404R, C9407R, C9410R |
| IOS XE Requirement | 17.3.1 or later |
| Energy Efficient Ethernet | IEEE 802.3az supported |
| Jumbo Frame Support | Up to 9216 bytes |
| RFID | Integrated passive RFID tag |
| MTBF | 456,110 hours |

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