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C9400-LC-48S DataSheet

C9400-LC-48S: 48-port 1G SFP line card with MACsec, jumbo frames, and 480 Gbps slot bandwidth—ideal for secure fiber access in Catalyst 9400 chassis.

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C9400-LC-48S Description

The C9400-LC-48S is a 48-port 1G SFP line card designed for secure and high-density fiber access within Cisco Catalyst 9400 modular switches. Featuring support for MACsec 256-bit encryption and full compatibility with a range of 1G SFP transceivers, this module is ideal for EMI-sensitive or fiber-required environments in enterprise, education, or government deployments. It supports jumbo frames and Energy Efficient Ethernet and provides up to 480 Gbps of slot bandwidth when paired with SUP-2XL, delivering scalable performance for fiber-based campus architectures.

Specification

Parameter	Description
Model	C9400-LC-48S
Port Count	48 × SFP ports
Port Speed	1G fiber (SFP-based)
PoE Support	No
MACsec	Yes, 256-bit hardware encryption
Slot Bandwidth	Up to 480 Gbps (with SUP-2XL)
Supervisor Compatibility	SUP-1XL, SUP-2, SUP-2XL
Chassis Compatibility	C9404R, C9407R, C9410R
IOS XE Requirement	16.6.1 or later
Energy Efficiency	IEEE 802.3az (EEE)
Jumbo Frame Support	Up to 9216 bytes
RFID	Integrated passive RFID tag
MTBF	443,210 hours

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