C9400-LC-48XS DataSheet

C9400-LC-48XS: 48-port 10G SFP+ fiber line card with MACsec, jumbo frames, and 480 Gbps slot bandwidth—ideal for high-performance fiber aggregation.

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C9400-LC-48XS Description

The C9400-LC-48XS is a 48-port high-density 10G SFP+ line card for the Cisco Catalyst 9400 Series switches, providing secure, high-throughput fiber connectivity for distribution and core access layers. Each port supports 1G or 10G SFP+ transceivers, with full MACsec 256-bit encryption, jumbo frame capability, and Energy Efficient Ethernet (EEE). Delivering up to 480 Gbps of slot bandwidth with SUP-2XL, the 48XS is a high-performance, fiber-optimized module compatible with the latest Catalyst 9400 supervisor engines.

Specification

Parameter	Description
Model	C9400-LC-48XS
Port Count	48 × SFP+ ports
Port Speed	1G/10G Fiber (SFP+)
PoE Support	Not supported
MACsec	256-bit encryption supported
Slot Bandwidth	Up to 480 Gbps (SUP-2XL)
Supervisor Compatibility	SUP-2, SUP-2XL only
Chassis Compatibility	C9404R, C9407R, C9410R
IOS XE Requirement	17.6.1 or later
Energy Efficient Ethernet	IEEE 802.3az
Jumbo Frame Support	Up to 9216 bytes
RFID	Integrated passive RFID tag
MTBF	437,900 hours

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