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C9400-LC-48HX DataSheet

C9400-LC-48HX is a 48-port 10GBase-T UPOE+ line card with 90W power, MACsec, and 480 Gbps slot bandwidth—ideal for next-gen wired access.

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C9400-LC-48HX Description

The C9400-LC-48HX is a high-density, high-performance 48-port line card designed for the Cisco Catalyst 9400 Series modular switches. Supporting up to 10GBase-T multigigabit Ethernet, it empowers enterprise networks to support high-speed wired endpoints like Wi-Fi 6/6E APs, servers, and digital workspace hubs. With full UPOE+ support (up to 90W per port), hardware-based MACsec-256 encryption, and slot bandwidth scaling up to 480 Gbps, the 48HX delivers robust throughput, advanced security, and flexible power delivery. This card is ideal for access and aggregation layers in large campus deployments, and is compatible only with C9400X-SUP-2 and SUP-2XL supervisor engines.

Specification

Parameter	Description
Model	C9400-LC-48HX
Port Count	48 × RJ-45 ports
Port Speed	100M/1G/2.5G/5G/10G
PoE Type	UPOE+, IEEE 802.3bt/at/af
Power per Port	Up to 90W
Max Power Draw	205W
MACsec	256-bit hardware encryption
Slot Bandwidth	Up to 480 Gbps (SUP-2XL)
IOS XE Requirement	17.6.1 or later
MTBF	402,300 hours
Energy Efficient Ethernet	Supported (IEEE 802.3az)
Jumbo Frame Support	Up to 9216 bytes
RFID	Passive UHF RFID tag included
Supervisor Compatibility	SUP-2 / SUP-2XL only
Chassis Compatibility	C9404R, C9407R, C9410R

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