

Cisco Catalyst C9600-LC-48TX

The **Cisco Catalyst C9600-LC-48TX** is a high-density copper line card featuring 48 RJ-45 ports with Multi-gigabit speed support (10G/5G/2.5G/1G/100M). Designed for enterprise aggregation and core deployments within the Cisco Catalyst 9600 chassis series.

PRODUCT OVERVIEW & KEY FEATURES

Specification	Details
Product Model	Cisco C9600-LC-48TX
Compatible Chassis	Cisco Catalyst 9600 Series Chassis (e.g., C9606R)
Total Line Card Ports	48 Ports
Interface / Connector Type	RJ-45 Copper (Copper Multi-Gigabit)
Supported Speeds	10 Gbps, 5 Gbps, 2.5 Gbps, 1 Gbps, 100 Mbps
Architecture	Cisco UADP / Silicon One Architecture

PORT SPEED & INTERFACE CAPABILITIES

Speed Option	Supported Ports	Connector / Cable Type
10GBASE-T	48 Ports	RJ-45 (Cat6A / Cat7)
5G / 2.5G Multi-Gigabit	48 Ports	RJ-45 (Cat5e / Cat6)
1000BASE-T (1G)	48 Ports	RJ-45 (Cat5e)
100BASE-TX	48 Ports	RJ-45 (Cat5)

SECURITY & ADVANCED CAPABILITIES

Feature	Support Status
Hardware MACsec	IEEE 802.1AE (256-bit & 128-bit encryption) on all ports
Jumbo Frames	Supported up to 9216 bytes
Encrypted Traffic Analytics (ETA)	Hardware Supported
Network Visibility	Full Flexible NetFlow (FFN)

PHYSICAL & ENVIRONMENTAL SPECIFICATIONS

Parameter	Value
Dimensions (H x W x D)	1.73 x 15.3 x 16.2 in (4.4 x 38.9 x 41.1 cm)
Weight	~8.8 lbs (4.0 kg)
Operating Temperature	23°F to 113°F (-5°C to 45°C)
Storage Temperature	-40°F to 158°F (-40°C to 70°C)
Relative Humidity	10% to 95% (non-condensing)