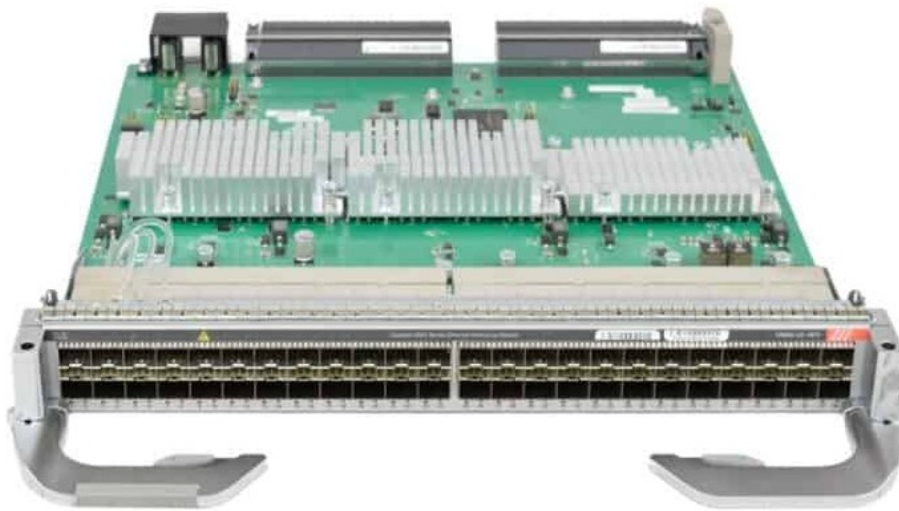


CISCO · CATALYST 9600 SWITCHES

C9600-LC-48YL

48x SFP56 Ports at 50/25/10/1GE · Both Supervisors · Catalyst 9600 Line Card

New, factory-sealed · 3-year LSCare warranty · Ships from Hong Kong and US stock



Product Model	C9600-LC-48YL
Category	Catalyst 9600 Switches
Condition	New, factory-sealed
Warranty	3-year LSCare warranty
Supplier	Layer23-Switch · www.layer23-switch.com



Scan for price and stock

200+

Countries Served

18,000+

Customers Worldwide

US\$9M+

Ready-Stock Inventory

3-Year

Warranty



CISCO · CATALYST 9600 SWITCHES

C9600-LC-48YL

48x SFP56 Ports at 50/25/10/1GE · Both Supervisors · Catalyst 9600 Line Card

The C9600-LC-48YL is the Cisco Catalyst 9600 Series 48-Port 50/25/10/1GE line card, a single-slot module carrying 48 line-rate SFP56 ports for the C9606R chassis.

New, factory-sealed · 3-year LSCare warranty · 14-day returns · Cisco SN check before shipment

Specifications

Product ID	C9600-LC-48YL	Cisco ordering description	Cisco Catalyst 9600 Series 48-Port 50/25/10/1GE line card, spare part number C9600-LC-48YL=
Port count and media	48 line-rate SFP56 ports at 50, 25, 10 and 1 GE, using SFP28 and SFP+ port types	Ports with C9600-SUP-1	Up to 48 nonblocking ports of 25/10/1GE at 1.2 Tbps full-duplex slot bandwidth
Ports with C9600X-SUP-2	Up to 48 nonblocking ports of 50/25/10/1GE at 3.2 Tbps full-duplex slot bandwidth	50GE availability	Available only on C9600X-SUP-2
Encryption	Advanced Encryption Standard 256 with the MACsec-256 algorithm on the UADP ASIC	MACsec restriction	This line card does not support MACsec with C9600X-SUP-2
Maximum ports in a C9606R at 1 GE	192 with C9600-SUP-1 and 8 with C9600X-SUP-2	Maximum ports in a C9606R at 25 and 10 GE	192 with either supervisor engine
Maximum ports in a C9606R at 50 GE	192 with C9600X-SUP-2	1 Gbps optic restriction	C9600X-SUP-2 supports only SFP-1G-SX and SFP-1G-LH optics for 1 Gbps operation
Compatible chassis	C9606R 6 slot chassis, providing 4 line card slots behind 2 dedicated supervisor engine slots at positions 3 and 4	Supported supervisor engines	C9600-SUP-1 and C9600X-SUP-2
Positioned deployments	High port-density Campus Core or Distribution designs with majority SFP optics	Minimum software release	Cisco IOS XE 16.11.1 with C9600-SUP-1 and Cisco IOS XE 17.7.1 with C9600X-SUP-2
Maximum rated power	230 W with C9600-SUP-1 and 300 W with C9600X-SUP-2	Power scaling note	Cisco states the Catalyst 9600X Supervisor Engine 2 provides higher power to support higher port speeds and density, which is why the same card is rated higher on that engine
Rated MTBF	640,750 hours	Weight	3.55 kg (7.83 lbs)
Dimensions (H x W x D)	1.7 x 15.0 x 13.41 inches (4.32 x 38.1 x 34.06 cm) to the faceplate and 1.7 x 15.0 x 15.7 inches (4.32 x 38.1 x 39.88 cm) to the ejector	Standards	Gigabit Ethernet IEEE 802.3z, IEEE 802.3x and IEEE 802.3ab
Operating temperature	-5 to 45 degrees C (23 to 113 degrees F) up to 6,000 feet and -5 to 40 degrees C (23 to 104 degrees F) up to 10,000 feet	Storage temperature	-40 to 75 degrees C (40 to 167 degrees F)
Relative humidity	10 to 95 percent, noncondensing, operating and non-operating	Altitude	-60 to 3000 m (-197 to 9843 feet)

Optics support reference	Optical transceivers are required to operate the card and the supported modules are published in the Cisco TMG compatibility matrix	
---------------------------------	---	--

Get Price and Availability for C9600-LC-48YL

New, factory-sealed units with a 3-year warranty. Our sales team quotes within one business day, and in-stock orders ship within one business day of payment from our Hong Kong and US warehouses.

[Request a Quote](#)

[View Product Page](#)



Email sales@layer23-switch.com WhatsApp [+86 171 8118 9993](https://wa.me/8617181189993) WeChat [layer23-switch](https://www.whatsapp.com/channel/0025-v30711111111111111111) Telegram [@layer23_switch](https://t.me/layer23_switch)

Address 2810 North Church Street, Suite 89727, Wilmington, DE 19802, USA

Cisco and Cisco product names are trademarks of Cisco Systems, Inc. Specifications are summarized from manufacturer documentation for reference; confirm the exact configuration with Layer23-Switch before ordering. Revised October 2026.