

Model: GLC-T (P/N: 30-1410-03 / 30-1410-04)

The Cisco 1000BASE-T Small Form-factor Pluggable (SFP) Gigabit Interface Converter is a hot-swappable input/output device that plugs into a Gigabit Ethernet port or slot, linking the switch/router with the copper network infrastructure. It provides full-duplex Gigabit Ethernet connectivity to enterprise switches, firewalls, and routers over standard Category 5e/6 copper cabling.

1 Gbps DATA RATE	100 Meters MAX REACH	RJ-45 CONNECTOR TYPE	Hot-Swap FORM FACTOR
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KEY FEATURES & HIGHLIGHTS

- High-Speed Connectivity:** Delivers 1000 Mbps full-duplex data transfer rate over Cat5e/Cat6 UTP cabling.
- Hot-Swappable Capability:** Plugs directly into live Cisco switches/routers without interrupting network traffic.
- Industry Standard Compliance:** Fully compliant with IEEE 802.3ab 1000BASE-T specifications.
- Auto-Negotiation:** Supports 10/100/1000 Mbps auto-negotiation depending on connected switch port capabilities.
- Compact Form Factor:** Industry-standard SFP footprint allowing high port density setups.
- Low Power Consumption:** Optimized energy efficiency with low thermal output.
- Tested Quality:** Grade-A refurbished units, 100% bench-tested for signal integrity and Cisco CLI hardware recognition.
- Wide Compatibility:** Works seamlessly across Cisco Catalyst, Nexus, ASA, and ISR platforms.

APPLICATION ARCHITECTURE

- Core to Edge Uplinks:** Connecting core switches to edge switches using existing structured copper LAN cables.
- Server & Appliance Connection:** Linking dedicated enterprise servers, Firewalls, or NAS units to SFP uplink ports.
- Data Center Intra-Rack Link:** Short-range high-density copper interconnections within server racks.

Quality Assurance Notice: Every CISCO GLC-T module undergoes full link-up verification, ping testing, and DOM/DDM parameter check prior to dispatch to ensure zero packet loss and 100% operational readiness.

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION DETAILS
Product Model	CISCO GLC-T
Cisco Part Numbers (P/N)	30-1410-03 / 30-1410-04 / 10-2047-01
Form Factor	SFP (Small Form-factor Pluggable / Mini-GBIC)
Interface / Port Type	1 x RJ-45 Female (Copper)
Data Transfer Rate	1.25 Gbps (1000BASE-T)
Cable Type	Category 5 / Cat5e / Cat6 / Cat6a Unshielded Twisted Pair (UTP)
Max Cable Length	100 meters (328 feet)
Standards Compliance	IEEE 802.3ab, IEEE 802.3u, SFP MSA Compliant
Power Consumption	< 1.0 W (Typical)
Operating Temperature Range	0°C to 70°C (32°F to 158°F) - Commercial Temperature
Storage Temperature Range	-40°C to 85°C (-40°F to 185°F)
Dimensions (H x W x D)	13.7 mm x 13.7 mm x 68.0 mm (0.54 x 0.54 x 2.68 in)
Weight	Approx. 45 grams

HARDWARE COMPATIBILITY MATRIX

CISCO SERIES FAMILY	SUPPORTED SWITCH & ROUTER MODELS
Cisco Catalyst Switches	Catalyst 2960, 2960-X, 3560, 3750, 3850, 9200, 9300 Series
Cisco Nexus Data Center	Nexus 3000, 5000, 7000, 9000 Series SFP/SFP+ Ports
Cisco ISR Routers	ISR 1900, 2900, 3900, 4300, 4400 Integrated Services Routers
Cisco ASA / Firepower	ASA 5500-X Series, Firepower 1000/2100 Security Appliances

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