

Cisco SFP-25G-LR-S Compatible SFP28 Module, 25Gbps Single Mode Fiber (SMF), 10km (6.2mi), LC Connector, 1310nm, MSA 25 Gigabit Optical Transceiver

**Product ID:** SFP-25G-LR-S-C-ST



This fiber optic transceiver is the direct equivalent to Cisco SFP-25G-LR-S for 25Gbps connectivity up to 10km (6.2mi) over LC-terminated Single Mode Fiber (SMF) cable. The optical module has been programmed and tested for seamless integration with Cisco switches and routers to ensure compatibility and reliability.

The 25GbE SFP28 excels in bandwidth-intensive tasks such as virtualization, efficient data migrations, high-performance storage, high-performance computing (HPC), future-proofing a network, and rapid online content uploads.

- 25GBASE-LR SFP28
- Data Rate: 25Gbps
- Fiber Type: Single Mode Fiber (SMF)
- Connector: LC
- Wavelength: 1310nm Tx/Rx
- Distances: Up to 10km (6.2mi)
- Supports Digital Diagnostics Monitoring (DDM/DOM)

This MSA-compliant SFP works with network equipment manufactured by Cisco and network equipment from manufacturers that accept uncoded optical modules.

The Long Range (LR) capability facilitates long-distance connections across or under large buildings, urban and rural network installations, and strategic singlemode fiber cable runs.

## Certifications, Reports and Compatibility



## Applications

## Features

- **CISCO COMPATIBLE TRANSCEIVER:** Equivalent to the Cisco SFP-25G-LR-S SMF module; Programmed and tested to ensure seamless integration with Cisco switches and routers to deliver reliable 25G connectivity up to 10km (6.2mi)
- **MAXIMIZE BANDWIDTH:** 25Gb single-mode fiber SFP28 excels at bandwidth-intensive tasks such as data migrations, large-scale transfers, high-performance storage, seamless content streaming, and rapid online content uploads
- **TECHNICAL SPECS:** 25GBASE-LR SFP28 25Gbps Single Mode Fiber (SMF) LC Connector 1310nm Tx/Rx Distances up to 10km (6.2mi) Supports Digital Diagnostics Monitoring (DDM/DOM)
- **COMPATIBLE WITH MSA COMPLIANT SWITCHES:** Fiber optic transceiver is compatible with switch models from Ubiquiti, D-Link, Netgear, Supermicro, TP-Link, and other brands that support uncoded modules
- **THE IT PRO'S CHOICE:** Designed and built for IT Professionals, this 25 Gigabit optical transceiver is backed for life, including free lifetime 24/5 multi-lingual technical assistance

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### Hardware

Warranty	Lifetime
Compatible Brand	Cisco
Industry Standards	IEEE 802.3cc 25GBASE-LR

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### Performance

Maximum Data Transfer Rate	25.78 Gbps
Max Transfer Distance	10 km (6.2 mi)
Type	Single Mode
Wavelength	1310nm
Fiber Operating Mode	Full-Duplex
DDM	Yes

Compatible Networks	25 Gbps
MTBF	3,292,647 Hours at 55C (131F)
Power Consumption (In Watts)	<1.2 W

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#### Connector(s)

Connector A	1 - SFP Slot 1 - 20-Pin SFP28
Connector B	1 - Fiber Optic LC Duplex

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#### Environmental

Operating Temperature	0C to 70C (32F to 158F)
Storage Temperature	-40C to 85C (-40F to 185F)
Humidity	85% RH

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#### Physical Characteristics

Product Length	2.2 in [5.6 cm]
Product Width	0.5 in [1.4 cm]
Product Height	0.3 in [8.5 mm]
Weight of Product	7.1 oz [200.0 g]

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#### Packaging Information

Package Length	4.5 in [11.5 cm]
Package Width	3.5 in [9.0 cm]
Package Height	1.2 in [3.1 cm]
Shipping (Package) Weight	14.1 oz [400.0 g]

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#### What's in the Box

Included in Package	1 - SFP28 Transceiver
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*\*Product appearance and specifications are subject to change without notice.*