

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

Product ID: SFP-25G-LR-S-M-ST



MSA-compliant fiber optic transceiver with 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 MSA-compatible 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: 1310nmTx/Rx
- Distances: Up to 10km (6.2mi)
- Supports Digital Diagnostics Monitoring (DDM/DOM)

This MSA-compliant SFP works with 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

- **MSA-COMPATIBLE TRANSCEIVER:** This optical transceiver has been programmed and tested to ensure seamless integration with 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

Hardware

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

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

Connector(s)

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

Environmental

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

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]

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]

What's in the Box

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