

1310nm Optical Transmission Module



Overview

Operating at a wavelength of 1310nm, this high-performance module supports transmission up to 40 kilometers and is fully compliant with SFP+ MSA and IEEE 802. It is ideal for 10 Gigabit Ethernet, SONET/SDH, and data center interconnects, featuring Digital. A 1310nm optical module lets you move data efficiently through fiber optic communication networks. As part of the O-band (1260–1360 nm), it balances low dispersion, stable performance, and cost efficiency. 3ae. Explore the TPS 7832, a 10Gb/s SFP+ 1310nm 20km optical transceiver designed for single-mode fiber links in telecom, enterprise, and industrial networking projects. com FS United StatesFREE SHIPPING on Orders Over US\$79 Contact Us Sign in Sign up Search Recent Searches □Change FREE SHIPPING on Orders Over US\$79. 10GBASE-LR is a 10-gigabit Ethernet optical standard that operates at 1310 nm over single-mode fiber (SMF), supporting link distances of up to 10 km. It is typically implemented using SFP+ transceivers and defined under IEEE 802.



Article Content

QSFP-40G-ER4 Compatible 40G QSFP+ Transceiver 1310NM 40KM

QSFP-40G-ER4 Compatible 40G QSFP+ Transceiver 1310NM 40KM DOM Dual LC
Product Description Gezhi QSFP+-40G-ER4 is designed for data center and Enterprise wide-area interconnection. This

10G SFP+ LR CDR 1310nm 10km Transceiver

10G SFP+ LR CDR transceiver is a high-performance (with TX& RX CDR) module supporting data rate of 10Gbps and 10km transmission distance with SMF -

Ciena CWDM-SFP10G-1310-I Compatible SFP+ 10G CWDM 1310nm

CWDM modules, along with MUX/DEMUX devices, improve fiber optic network capacity and efficiency, enabling flexible wavelength adjustment and simplify network architecture.

10GHz Directly Modulated Laser Module, 1550 or 1310nm, DML

The directly-modulated laser (DML) is a cost-effective solution for 10Gbps digital transmission of up to 60 km using traditional intra-city SMF-28 single-mode fiber links.

What Is 10GBASE-LR? SMF 1310nm 10km SFP+ Explained

A practical, engineer-grade guide to 10GBASE-LR: what it is, 1310nm single-mode SFP+ specs, optical budget examples, deployment best practices and troubleshooting.

10G SFP+ LR 1310nm 10KM

Operating at a wavelength of 1310nm, this module supports 10G Ethernet and 10G Fibre Channel, making it ideal for enterprise, data center, and long-distance access network applications.

Hot Selling Industrial Grade 1310nm 25G LC TOSA DFB Laser Optical ...

This industrial-grade 1310nm 25G LC TOSA integrates MQW-DFB laser isolator and MPD monitoring to deliver stable and reliable optical transmission for access network and fiber optic systems.

Stable Output 1310nm 25G TOSA LC DFB Laser Module With Isolator

Product name 1310nm 25G LC TOSA Transmitter Module Application Fiber optic communication system Fiber Type Single Mode Fiber Wavelength 1310nm Function Optical signal transmission with

What is the difference between SFP 1310nm and 850nm□

What is the advantage of sfp 1310nm? SFP modules operating at a 1310nm wavelength offer several advantages, particularly suitable for certain network applications. Here are the key benefits: Longer

Data Center 100G QSFP28 Transceiver LR4 1310nm 10km LC Module

Data Center 100G QSFP28 LR4 1310nm 10km LC Module LR4 100G Product Description 100G QSFP28 LR4 10km 1310nm Optical Module The QSFP28 Module Provides 100GBase-LR4

7832 10G SFP+ 1310nm Transceiver Guide

At-a-Glance Fit Use the 7832 when your application needs a duplex LC, 1310nm 10G optical module for up to 20km single-mode transmission, and your team wants SFP+ MSA style

Pluggable Optical Module Market Research Report 2034

Pluggable optical modules, encompassing SFP, SFP+, QSFP, QSFP+, CFP, CFP2, and CFP4 form factors, serve as the foundational building blocks of modern optical networking, enabling high

Everything You Need to Know About 1310nm Optical Modules

1310nm optical modules are essential for efficient data transmission in fiber optic networks, especially for medium distances. These modules offer low signal loss and minimal

SFP+10G 1310nm 10Km LC Optical Module Guide

The SFP+10G 1310nm 10Km LC optical module is a powerful and versatile solution for high-speed, long-distance data transmission. Understanding SFP+ optical modules and their different types helps in

10G SFP+ LR DML 1310nm 10km Optical Transceiver Module

This series uses a pair of single-mode optical fibers with a center wavelength of 1310nm, a distance of up to 10km, and an optional industrial-grade operating temperature range.

10G SFP+ Dual Fiber Optical Module Market: \$15.5B by 2025, 13.5

The 10G SFP+ Dual Fiber Optical Module Market is poised for substantial expansion, with a projected valuation of \$15.5 billion in 2025. The market is anticipated to exhibit a robust Compound

10G SFP+ LR CDR 1310nm 10km Transceiver | AscentOptics

10G SFP+ LR CDR transceiver is a high-performance (with TX& RX CDR) module supporting data rate of 10Gbps and 10km transmission distance with SMF - AscentOptics.

Arista QDD-400G-DR4 Compatible 400GBASE-DR4

Arista QDD-400G-DR4 Compatible 400GbE QSFP-DD DR4 1310nm 500m FEC SMF Optical Transceiver Module (PAM4, MTP/MPO, DDM, Commercial Temp)

Learn how to choose the right SFP module for your network. Avoid ...

Learn how to choose the right SFP module for your network and avoid common compatibility mistakes. This practical guide explains SR vs LR, singlemode vs multimode,

10G SFP+ ER 1310nm 40KM

Operating at a wavelength of 1310nm, this high-performance module supports transmission up to 40 kilometers and is fully compliant with SFP+ MSA and IEEE 802.3ae standards.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://watermanfinance.co.za>

Email: sales@watermanfinance.co.za

Phone: +49-176-8294713

Address: Neue Mainzer Str. 66-68, 60311 Frankfurt am Main, Germany

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