

10 Gigabit Single-Fiber 40km Optical Module Wavelength



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. This hot-pluggable SFP+ transceiver is engineered to transmit 10Gbps data streams over single-mode fiber (SMF) for link lengths up to 40 kilometers, making it indispensable for metro Ethernet, campus backbone networks, enterprise data center interconnects (DCIs), and telecom access networks. A 15 dB optical link budget supports metro and long-haul links well beyond standard LR reach, and the multi-rate envelope spans 1. SFP-10G-ER-S does not support FCoE. Compared with short-reach and long-reach 10G SFP+ optics.



Article Content

10G SFP+ ER 40Km 1550nm Single-Mode Transceiver

The SFP-1040-ER is a 10G ER single-mode multi-rate SFP+ transceiver using 1550nm wavelength and reaching up to 40Km

SFP Transceiver

The 1000BASELX SM SFP 40KM is a Gigabit single-mode SFP (mini-GBIC) transceiver with an LC style connector. Operating at a

10GBASE-ER SFP Module Explained: Distance, Specs & Use Cases

A 10GBASE-ER SFP module is an extended-reach 10Gbps optical solution designed for stable single-mode fiber links up to 40km,

1000BASE-EX SFP 1310nm 40km Transceiver Datasheet | FS

Description The SFP1G-LH-31 series single-mode transceivers are small form factor pluggable module for bi-directional serial optical

10GBASE-ER SFP+ 40km 1550nm | EDGE Optical Solutions

The 10G-SFP-40 is a 10GBASE-ER SFP+ module that extends 10 Gigabit Ethernet up to 40 km over single-mode

10G SFP+ ER 1310nm 40KM

Product Overview The STC-10G-ER is an extended reach 10G SFP+ optical transceiver designed for long-distance single-mode fiber

SFP+ Single Mode LC Module (40km)

TRENDnet's SFP+ Single Mode LC Modules are compatible with standard SFP+ slots found on network switches and fiber media

10G Base ER Industrial SFP+ | 40km SMF | -40 to 85°C

Using 1550nm wavelength with 15 dB link budget, this 10G Base ER Industrial module delivers reliable

SFP+ 10 Gigabit Fiber Module

Get the most out of your network equipment with this 10 Gigabit 10BaseG-ER SFP+ Fiber Modules from Networx®. SFP or Small

10G-SFP+ SF-40KM

Overview 10G-SFP+ SF-40KM The 10G SFP+ transceivers is cost effective Bi-Directional transceiver a high performance, module

10Km SFP+ Optical Module

This is a standard SFP+ optical module. It uses two single mode optical fibers and the speed rate can up to 10Gbps, transmission

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

Advantages of SFP+10G 1310nm 10Km LC Optical Modules The SFP+10G 1310nm 10Km LC optical module offers several

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

Cisco 10GBASE SFP+ Modules Data Sheet

A broad range of industry-compliant SFP+ modules for 10 Gigabit Ethernet deployments in diverse networking

Cisco 10GBASE SFP+ Modules Data Sheet

The communication over a single strand of fiber is achieved by separating the transmission

10 Gigabit single-mode single fiber optical module SFP-XG40

Operating at 1270/1330 nm wavelengths, this 10G module supports data transmission distances up to 40 kilometers, delivering

10Gb/s 40km CWDM SFP+ ER Transceiver Module

This CWDM SFP+ ER transceiver module is designed for 10 Gigabit Ethernet links up to 40km over single-mode fiber. It features a

10GBASE-ER SFP+ 40km 1550nm | EDGE Optical Solutions

Does the 10GBASE-ER SFP+ module require chromatic dispersion compensation on standard OS2 single-mode fiber? No external

SFP-10G-LR Compatible | 10GBASE-LR SFP+ Optical Transceiver

Reliable, high-speed connectivity with the SFP-10G-LR Compatible transceiver. Designed for 10 Gigabit networks, this module

1G 1310nm 40km SFP EX Transceiver Module

Generic SFP-1G-EX Compatible 1000BASE-EX SFP Transceiver Module (SMF, 1310nm, 40km, LC, DOM) This Generic SFP-1G-EX

10 Gbit/s SFP+ Optical Modules

10 Gbit/s SFP+ optical modules apply to 10 GE optical ports. The wavelength can be 850 nm, 1310 nm, or 1550 nm, and the

Comprehensive Guide to SFP BiDi 10G 40km Modules: Selection ...

Discover Link-PP's reliable and compatible SFP BiDi 10G 40km modules for high-speed, cost-effective single-fiber

QSFP-40G-LR4: QSFP+ 40G LR4 Optical Module Single-Mode

Product description The QSFP-4010-LR4 is a long range single-mode 40G QSFP+ optical module compatible with the 40GBase-LR4

SFP-10G-ER Explained: Powering 40km 10Gbps

SFP-10G-ER is a 10G SFP+ transceiver for up to 40km over single-mode fiber, featuring

10G BiDi SFP+ 40km | Tx1270/Rx1330 | Single Fiber Compatible

Compatible 10G BiDi SFP+ for 40km single fiber. Tx1270/Rx1330nm, 16dB budget, 50% fiber savings. Works with 80+ brands.

SFP+ 10G ER transceiver singlemode 1550nm 40Km, Cisco compatible

The SFP-1040-ER is a long haul single-mode 10G SFP+ optical module compatible with the 10GBase-ER specifications. It uses a

SFP+ 40km (10GBASE-ER): Extended-Reach Optical Module Guide

At a technical level, an SFP+ 40km module works by transmitting optical signals at a 1550 nm wavelength through

Single-mode Fiber and 10 Gigabit Ethernet

Single-mode Fiber and 10 Gigabit Ethernet Standard single-mode fiber can address nearly any application, depending on the level of

SFP 10G LR: High-Speed Long-Reach Fiber Transceivers

As enterprise networks, data centers, and service provider infrastructures continue to scale, the demand

10G BiDi SFP+ Modules: A Guide to Single-Fiber 10G Deployment

Explore how 10G BiDi SFP+ modules enable high-speed, bidirectional data over a single fiber, cutting costs, saving fiber, and

SFP+ 40km (10GBASE-ER): Extended-Reach Optical Module Guide

SFP+ 40km (10GBASE-ER) refers to a 10 Gigabit optical transceiver designed for extended-reach transmission up to

10GE SFP+ Optical Modules

CloudEngine 12800 and 12800E Series Switches Hardware Description This document provides an overall description of the

Technical Characteristics Of 10G Optical Modules With 1310nm And

There are three wavelength windows for 10G optical module communication applications, namely the 850nm window,

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

10GBASE-LR is a 10-gigabit Ethernet optical standard that operates at 1310 nm over single-mode fiber (SMF), supporting link

Single Fiber 40 km SFP+ Optical Transceiver: Ciena...

Ciena XCVR-S40U27 is SFP+ Single Fiber Transceiver supporting 1.25-10.31 Gbps data rate in 40 km distance over Single-Mode

10GBASE-ER SFP+ Single Mode LC Module 40 km (24.9 miles)

This Single Mode transceiver spans distances up to 40 km (24.9 miles), comes with a LC duplex connector, and supports up to 10.3

Contact Us

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

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

Email: sales@benniedesignstudio.co.za

Phone: +27 82 391 4765

Address: The Towers, 1 St Georges Mall, Cape Town, 8001, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

