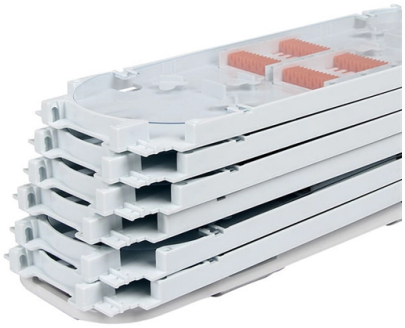
Activa Netcom & Energy Systems

Optical module emits light for 10km



Overview

This product is a transceiver module designed for 10km optical communication applications. 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. Think of these four data streams as four distinct “colors” of light, with each color being carried by light traveling at a slightly different wavelength in. In the DRAN scenario, a 25G 300m gray light module is used. If necessary, the required fiber resources can be further reduced by using passive WDM and semi-active WDM equipment. Whether you are creating a 100-Gbps or 400-Gbps, small form-factor pluggable (SFP) module, SFP+ transceiver, XFP module, CFP, X2/XENPAK module. Supporting transmission distances of up to 10 kilometers over single-mode fiber, this module enables high-performance connectivity without the complexity and cost of more advanced long-haul solutions. In this article, we explore how the 100G LR4 module works, its key advantages, and the.

Article Content

A Quick Guide to Gray Light Module and Colored Light

In the CRAN scenario, when fiber resources are insufficient, a 10km bidirectional gray light (BiDi) module is used. If necessary, the required fiber resources can be

Optical module design resources | TI

Design requirements Modern optical module designs often require: Reduced power consumption to control and limit module temperature rise. Dynamic and precise control of laser diodes to regulate

100G QSFP28 LR1 10 km Transceiver

Ascent''s QSFP28 100G LR1 Ethernet module is a transceiver module designed for 10km optical communication applications, and it is compliant with IEEE 802.3cd and QSFP28 MSA standard.

100G QSFP28 LR1 EML 1310nm 20km Optical Transceiver

GIGALIGHT 100G QSFP28 LR1 optical transceiver module is used for long-distance transmission in the datacom or telecom field and is compliant with the 100G Lambda MSA 100G LR1-10 and LR1-20

Unlocking 10km High-Speed Connectivity with 100G

One of the most efficient answers to this demand is the 100G QSFP28 LR4 optical transceiver. Supporting transmission distances of up to 10 kilometers over single

100GBASE-LR QSFP28 1310nm 10km Transceiver Datasheet | FS

This product is a transceiver module designed for 10km optical communication applications. The module incorporates one channel optical signal, on 1310nm center wavelength, operating at 50Gbaud data

50G SFP56 LR EML 1310nm 10km Optical Transceiver Module

The GIGALIGHT 50G SFP56 LR optical transceiver module is used for long-distance interconnection of data centers or 5G fronthaul. It complies with IEEE 802.3cd 50GBASE-LR Ethernet transmission

optical transceiver sfp+ 10g single mode module 1310nm 10km lc

Upgrade networks with our optical transceiver sfp+ 10g single mode module 1310nm 10km lc. This LC transceiver delivers effortless 10km connectivity for data centers and servers.

Contact Us

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

Website: https://activa.net.pl
Email: sales@activa.net.pl
Phone: +48 662 748 193
Address: ul. Cybernetyki 7B, 02-677 Warsaw, Poland

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