JT optical module

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 ...

JTOPTICS® QSFP28 100GBASE-PSM4 is a Four-Channel, Pluggable, Parallel, Fiber-Optic transceiver support InfiniBand DDR/EDR Applications. This transceiver is a high- performance module for data ...

JTOPTICS® 25GBASE SR 100m SFP28 optical transceiver, is designed a high performance module for short range data communication and interconnect applications which operate at 25.78125 Gbps up to ...

JTOPTICS 1.6T OSFP-XD DR8 optical transceiver, housed in an OSFP-XD package, is designed to enable 1.6T Ethernet connections over distances of up to 500 meters using single-mode fiber.

Jiu Tian (JT) wedge prisms are precise optical components used for controlling light paths. With a small inclination angle, they can shift a light beam toward the thicker side.

Our range of 400G and 800G transceiver modules delivers ultra-high bandwidth, industry-standard form factors, and reliable performance built for: Data Centers AI/ML Infrastructure 5G & Core ...

The Juniper QDD-2X400G-FR4-P is an 800GBASE-2FR4 optical transceiver module designed for high-performance data communication. Operating at a wavelength of 1310nm and utilizing PAM4 ...

With its low power consumption and hot-swappable capability, this 1G SFP transceiver is well-suited for various applications, including Gigabit Ethernet communication links for Internet Service Providers ...

This module adeptly converts four input channels of 25Gb/s electrical data into four channels of CWDM optical signals, subsequently multiplexing them into a single channel for 100Gb/s optical transmission.

Discover the evolution from 400G to 800G and 1.6T optical modules. Learn key technologies, CPO vs pluggable, and upgrade strategies for future-ready data centers.

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