

ZTE100G Single-Mode Optical Module



Overview

The 100G QSFP28 DR1 Single Lambda QSFP28 Optical Transceiver Module is designed for use in 100GBASE Ethernet throughput up to 500m over single mode fiber (SMF) using a wavelength of 1310nm via duplex LC connectors. The common 100G optical standards, such as 100G SR4, 100G LR4, 100G CWDM4, 100G PSM4, and 100G ER4 optical modules, utilize four 25G optical channels for either parallel transmission or WDM transmission. To achieve these standards, expensive optical components and different packaging types are used. This ZTE 033030600033 is a parallel 100Gb/s Quad Small Form-factor Pluggable (QSFP28) optical module. It provides increased port density and total system cost savings. They do this by using Wavelength Division Multiplexing (WDM) to carry upstream and downstream signals at different wavelengths on the same fiber. Tx wavelength — one. Enter single fiber QSFP28 modules — a game-changer using BiDi (Bidirectional) technology to transmit 100G data over one fiber strand. The module converts 4 input channels of 25Gb/s electrical data to 4 channels of LAN WDM optical signals and then multiplexes them into a single channel for 100Gb/s optical. An Optical Transceiver is a critical optoelectronic component that facilitates

seamless electro-optical (E-O) and photo-electric (O-E) conversion within fiber-optic networks.

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A 100G single fiber QSFP28 module sends 100-gigabit Ethernet data using one optical fiber. This device helps networks get faster without needing extra fiber cables.



Single fiber QSFP28 modules (commonly called BiDi transceivers) enable full-duplex 100G communication over a single optical strand. They do this by using Wavelength Division ...



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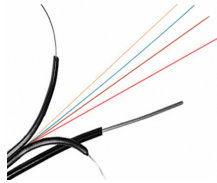
Shop high-speed optical transceivers from Unitekfiber. We offer 100% compatible 40G, 100G, and 400G QSFP-DD modules for data centers. Expert technical support & wholesale pricing.



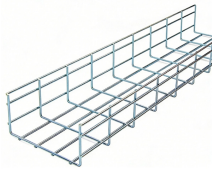
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The 100GBASE-PLR4 optical transceiver module supports link lengths of up to 10km over single-mode fiber (SMF) with MTP/MPO-12 connector. This transceiver is compliant with SFF-8636 and QSFP28 ...



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Explore the features and applications of Single Lambda 100G QSFP28 modules and learn how these modules enhance high-speed data transmission in various networking scenarios in this overview.



The Optical Transceiver provides fast and reliable 100G connectivity in data center environments. Its low power consumption feature makes it an energy-efficient option for large-scale data center ...



CWDM Single Lambda QSFP28 transceiver module is designed for use in 100Gbps Ethernet links over 10km single mode fiber, incorporating one channel optical signal, on either 1270, ...



The module converts 4 input channels of 25Gb/s electrical data to 4 channels of LAN WDM optical signals and then multiplexes them into a single channel for 100Gb/s optical transmission.

Contact Us

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