



# Single-core BiDi optical module

Our 1G BiDi SFP transceivers enable full-duplex communication over a single fiber, reducing fiber usage while maintaining reliable performance. Ideal for enterprise networks, data centers, and telecom ...

BiDi SFP technology offers a cost-effective, fiber-saving, and high-performance solution for modern optical networking. By halving fiber requirements, it enables rapid network expansion in ...

Learn what a BiDi SFP module is, how it works, key types, benefits, and when to use BiDi optics in fiber networks.

GIGALIGHT's 1G BiDi SFP series optical transceiver modules support a speed of 1.25Gbps, widely used in Gigabit Ethernet, 1G fiber channel, and SDH. They can achieve a maximum transmission distance ...

The 25G BiDi SFP28 transceivers are designed to enable bi-directional 25G serial optical data communications using either 1270nm/1330nm wavelengths. These modules are ideal for use in 25G ...

The Optcore full BiDi solution is adaptable for various needs. It works well for reliable industrial control and power networks, high-demand AI data centers, and resource-limited 5G networks.

Choose the right 1G BiDi sfp module by checking compatibility, wavelength pairing, fiber type, and distance to ensure reliable network performance.

10G BiDi SFP+ modules utilize a unique optical mechanism that enables full-duplex data transmission over a single strand of single-mode fiber (SMF). This is achieved using two different ...

Comprehensive guide on BiDi Optical modules, detailing single-fiber bidirectional connectivity, deployment tips, troubleshooting, and multi-speed applications for optimized networks.

Supporting 40km transmission over single-mode fiber at 1550/1310nm wavelengths, this BiDi module delivers 21 dB link budget and multi-rate operation from 100 Mbps to 1.25 Gbps. LC/UPC connector ...



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