

High-speed optical connection 400G from Nepalese manufacturer



Overview

Eoptolink delivers the industry's broadest 100G, 200G, 400G, 800G transceiver portfolio with world-class quality and reliability. This YV-400GDD-LR4 product is designed for 10km optical communication applications. The module converts 8 channels of 50Gb/s (PAM4) electrical input data to 4 channels of CWDM optical signals, and multiplexes them into a single channel for 400Gb/s optical transmission. Reversely, on the receiver. TXOE is backed by a commonly owned manufacturing organization with proven experience supplying tier-1 data center operators in China. Amphenol is a leading innovator in the development and manufacturing of Active Optical Cables (AOCs), delivering high-performance interconnect solutions. Among the various 400G optical transceiver form factors, OSFP stands out as a next-generation form factor specifically designed for high-speed Ethernet, offering clear advantages. As transmission speeds move from 56G PAM4 to 112G PAM4 and beyond, PCB technology has become one of the most critical. Eoptolink (SZSE: 300502), founded in 2008, is a leading manufacturer of high-speed optical transceivers. At the heart of the operation is a best-in-class R&D team that continuously pushes the boundaries of technological advancement to help shape the industry. Our committed roadmap ensures we will.



Article Content

Unlocking Performance with 400G QSFP-DD DAC

Advantages of 400G QSFP-DD DAC Cables Ultra-Low Latency Ideal for latency-sensitive environments like high-frequency trading, AI computing, and real-time

Professional Active Optical Cable (AOC) Manufacturer | 1G-800G Data ...

High-performance optical module solutions help upgrade network infrastructure As a professional optical module supplier, we provide a full range of optical transceiver modules from 1G to 400G, support

NVIDIA 400G & 100G-PAM4 Optical Modules: OSFP & QSFP112 for High-Speed ...

Introduction In today's high-speed data centers and high-performance computing environments, reliable and scalable switch connectivity is critical. NVIDIA's 400G and 100G-PAM4

High-Speed PCB Solutions for 400G and 800G Optical Modules

This guide explains the key PCB technologies, materials, manufacturing processes, and cost considerations for 400G and 800G optical modules in 2026.

400G Active Optical Cable | For AI and HPC RoCE

Discover high-speed 400G QSFP-DD Active Optical Cables (AOCs) for data centers and HPC. Lightweight, low-power, and supporting up to 100m reach.

What is 400G and Beyond?

400G refers to the next generation of high-speed data transmission technology capable of delivering 400 gigabits per second over optical networks. Explore the advancements in 400G technology, its

A Comprehensive Guide to 400G OSFP Ethernet

This article introduces the fundamental concept and key characteristics of 400G OSFP Ethernet optical transceivers, and analyzes their

Active Optical Cables (AOC) | High-Speed Connectors

Designed to support data rates from 12G to 400G, AOCs integrate fiber-optic transceivers directly into the cable to provide faster transmission,

About Us

Eoptolink (SZSE: 300502), founded in 2008, is a leading manufacturer of high-speed optical transceivers. At the heart of the operation is a best-in-class R& D team that

Custom High-Quality 400g Optical Transceiver Manufacturer, Products ...

At Matrix PT Tech Co., Ltd., we offer the best 400G Optical Transceiver products straight from our factory, ensuring top quality to meet your B2B needs

400G QSFP-DD SR8 850nm MPO 100M Optical

400G QSFP-DD SR8 optical transceiver module, support 400Gb/s and up to 100m transmission on MM fiber, it works in high-speed IDC connection solutions.

400G Optical Transceivers in Long-Distance & High

Explore the diverse range of 400G transceivers addressing the growing bandwidth demands of long-distance transmission. Discover flexible

IP + Optical: The Mainstream Solution for the 400G Era

With the mature commercial use of 400G ZR+ optical modules, IP colored optical boards and gray optical boards have almost the same integration level. Therefore, some device vendors

The Future of High-speed Interconnection: 400G QSFP

Explore the future of high-speed interconnection with the 400G QSFP-DD SR4 optical module. Learn about distributed training technology, RDMA,

High-Speed Optical Transceiver Manufacturer | TXOETECH

TXOE is backed by a commonly owned manufacturing organization with proven experience supplying tier-1 data center operators in China. This platform operates at true hyperscale volumes with

Optical Transceiver 400G OSFP SR4 Manufacturer and Supplier

With these features, this easy to install, hot swappable transceiver is suitable to be used in various applications, such as data centers, high-performance computing networks, enterprise core and

Understanding the Basics of 400g Fiber Optic Cable and

The global acceptance of 400g fiber optic technology further enhances the pace at which data is transmitted, thereby meeting global demand

Evolution of 400G Ultra High Speed Optical

To meet the basic needs of the backbone network for long-distance transmission of over 1000 kilometers, the 400G ultra high speed optical

What is 400G optical networking? | Neos Networks

What is 400G? 400G is optical networking technology that can transfer data at speeds of up to 400 gigabits per second on a single optical

AI Data Center Upgrades 2025: Best 400G & 800G

Plan AI data center upgrades for 2025. Expert guide to selecting the best 400G and 800G optical transceivers, cables, and network solutions for AI

400G Optical Transceivers | OEM Compatibility

The future of networking is here, and Carritech Optics is at the forefront of high-speed optical connectivity. Our optical transceivers are

400G OSFP Transceiver Optics Types and Connections

The Octal Small Form Factor Pluggable (OSFP) module is an optical transceiver designed to provide high speed 400G/800G data communications for data centers and networking systems.

10 companies in the optical transceiver industry chain 2024

The rapid development of AIGC has promoted the demand for 800G optical modules, and the entire industrial chain involving optical components,

Global Optical Transceiver Market: Striding to High-Speed 400G

Discover the latest trends in the optical transceiver market, focusing on 200G and 400G transceivers. Learn about their impact on data centers.

400G QSFP-DD DAC: High-Speed Direct Connect Solution

Innoptical provides high-performance 400G QSFP-DD direct attach cables for high-bandwidth connections in your data center. Experience low latency, seamless integration, and optimized

400G QSFP-DD LR4 Transceiver | High-Speed Optics | Dtech

400G QSFP-DD LR4 transceiver is available at Dtech Trading. Supports up to 10km and Ideal for high-speed data centers and core networks.

Contact Us

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