

Direct Sales Optical Receiver 800G



Overview

The 800G SR8 DML/EML solution uses an 8x100G DSP, the same-wavelength DML/EML optical chip, with 8 fibers (PSM8 parallel single-mode 8 channels) used on both the transmitter and receiver sides, and employs 24-core or 16-core MPO connectors. Segments - by Form Factor (QSFP-DD, OSFP, CFP8, and Others), Application (Data Centers, Telecommunications, Enterprise Networks, and Others), Data Rate (800 Gbps, 400 Gbps, 200 Gbps, and Others), Wavelength (850 nm, 1310 nm, 1550 nm, and Others), Distance (Short Range, Medium Range, Long Range). 800G Optical Transceiver Market report is further segmented By Region (North America, Europe, Asia-Pacific, South America, Middle-East and Africa). In 2024, 800G Optical Transceiver Market was worth USD 2.5 billion by 2033, growing steadily at a CAGR of. The application scenarios for 800G optical modules are primarily divided into SR (100m), DF/FR/LR (500m/2km/10km), and ER/ZR (40km/80km). The connection distance between Top of Rack (TOR) switches and Leaf switches is relatively short. Large internet companies commonly employ 100G connection. LightCounting expects a 10% sequential growth in sales of optical transceivers in the current quarter, after a flat Q1. If the demand for HPC continues to surge, the ratio between Google and NVIDIA is expected to hover around 4:6, with Google holding 4 units and NVIDIA-related products occupying. 800G Optical Transceiver Components Market size was valued at USD 21 Billion in 2024 and is projected to reach USD 32.44 billion during the forecast period 2026-2032.



Article Content

Jun 15, 2026

Choose the Right 800G Optical Transceiver for Your

Need help choosing the right 800G optical transceiver for your data center? Explore our selection of 800G QSFP-DD/OSFP modules with expert tech

Mar 08, 2026

800G Transceivers — Transceiver USA

800G Transceivers Transceiver USA's optical OSFP modules are used in enterprise and datacenter networks. View price, stock and buy direct from Transceiver USA.

Jan 09, 2026

800G Optical Transceiver Market Share | Industry

Partnerships between semiconductor manufacturers, optical component suppliers,

Aug 10, 2025

JT-800G-OSFP-MPO-DR8

JTOPTICS® 800G OSFP DR8 InfiniBand NDR and Ethernet transceiver is a high-quality optical transceiver designed for 800 Gigabit Ethernet links over 500 meters of single-mode fiber. It features

Oct 04, 2025

800G Optical Transceiver Market Analysis

Explore the forecast and market dynamics surrounding 800G optical modules in 2024, including insights into Google's demand projections, Marvell's

May 18, 2026

Global 800G Optical Transceiver Components Market Size, Share,

The 800G Optical Transceiver Components Market is witnessing significant growth driven by the increasing demand for high-speed data transmission and the expanding deployment of advanced

Aug 16, 2025

800G Transceiver Market Overview

This article provides an overview of the 800G transceiver market, including application scenarios, technology solutions, and emerging trends such

Jul 22, 2025

800G OSFP Optical Transceiver Modules

Explore QSFPTEK 800G OSFP optics price lists and datasheets. The 800G optics provide ultra low latency, low power, and high reliability optical interconnect core components for data centers, AI

Mar 13, 2026

800G Direct Attach Cables & Active Optical Cables

Our 800G QSFP-DD and OSFP DAC (Direct Attach Copper) and AOC (Active Optical Cable) cables offer a high-performance and cost-efficient solution for companies looking to optimize and future

Aug 20, 2025

800G OSFP Optical Transceiver | Optical Transceivers Factory

Where can I source an 800G optical transceiver factory direct? To secure competitive pricing and rapid turnaround, partner with an 800G optical transceiver factory specializing in in-house R& D, bulk wafer

Aug 26, 2025

Global 400G and 800G Optical Transceivers Sales Market Report ...

The global 400G and 800G Optical Transceivers market is strategically segmented by company, region (country), by Type, and by Application.

Mar 06, 2026

800G OSFP112 DR8 LPO FNT Pluggable Optical

800G OSFP112 DR8 LPO FNT Pluggable Optical Transceiver The Hyper Photonix HSO6-800-LP-P8S transceiver is designed for 800G Ethernet and InfiniBand

Oct 13, 2025

800G Optical Transceivers Overview: Everything You

800G optical modules are transforming data center transport, enabling networks to reach heights that previous generations of 400G could not.

Sep 24, 2025

800G OSFP: A Guide to Next-Generation Optical Transceivers

Unlocking 800G OSFP: A Guide to Next-Generation Optical Transceivers The insatiable global demand for data, driven by AI/ML workloads, cloud computing, and 5G expansion, is pushing

Jun 29, 2025

800G QSFPDD SR8 100m Optical Transceiver Module | GIGALIGHT

800G QSFPDD SR8 100m Optical Transceiver Module P/N: GQD-MPO801-SR8C(MPO16) Features 8 channels full-duplex transceiver modules
Transmission data rate up to 106.25G per channel

Sep 22, 2025

800G Optical Transceiver Market Size to Grow USD 898.6 Million by

The Global 800G Optical Transceiver Market was valued at USD 356 Million in 2022 and is anticipated to reach USD 898.6 Million by 2029, witnessing a CAGR of 14.0% during the forecast

Sep 05, 2025

How Next-Gen 800G Optical Transceivers Meet the Demands of

These optical transceiver solutions represent the next step in data center evolution. Integra Optics' full line of 800G optical transceivers in stock and ready to ship today. If you have

Jan 10, 2026

How to Choose the Right 800G transceiver for Data

Explore guide to 800G optical transceivers—compare OSFP vs. QSFP-DD, key specs, deployment best practices, and future trends to future-proof your data center.

Apr 21, 2026

800G Transceivers and Cables

800G Transceivers Guide 800G transceivers, Active Optical Cables (AOCs), and Direct Attach Copper (DAC) cables are cutting-edge components designed to

Aug 20, 2025

800G Optical Transceiver Market Research Report 2034

The 800G optical transceiver market is therefore positioned as one of the fastest-growing segments within the broader optical communications and networking hardware ecosystem, drawing sustained

Jun 18, 2026

800G Optical Modules Drive Market Recovery in 2025

Sales of AOCs, particularly 400G and 800G, remain robust. While the telecom market is not expected to recover significantly in Q2, Signal AI forecasts

Nov 22, 2025

AI Data Center Optical Transceiver Module Market 2025–2030

The AI data center optical transceiver market is undergoing the most significant growth phase in its history, driven by the convergence of exponential AI workload expansion, the physics-imposed

Apr 13, 2026

Demystifying 800G Transceiver: Types, Applications, and FAQs

As the demand for faster data transmission continues to surge, 800G transceiver has gained significant attention due to its high bandwidth, fast transmission rates, exceptional

Jun 01, 2026

800G OSFP SR8 Linear Pluggable Optics (LPO) Transceiver

800G OSFP SR8 Linear Pluggable Optics (LPO) Transceiver" Linear drivers with gain and equalization control of VCSELs at transmitter" Trans-impedance amplifiers (TIA) with output amplitude and

May 19, 2026

800G Optical Transceiver Components Market Report:

The 800G Optical Transceiver Components Market is experiencing explosive growth, positioned at the critical intersection of bandwidth intensive applications and

Dec 11, 2025

Cutting-Edge 800G Transceivers for Data Centers

Skylane Optics" 800G transceivers boost data center performance with high-speed, low-latency solutions designed for AI and ML applications.

Jul 09, 2025

LightCounting :: Sales of 800G transceivers will return the market to ...

June 12, 2025 LightCounting expects a 10% sequential growth in sales of optical transceivers in the current quarter, after a flat Q1. Most of the growth will come from sales of 800G Ethernet

Jun 01, 2026

Credo launches Robin 800G/400G optical AI DSPs | CRDO Stock News

Analyst sees 120M 800G/400G AI transceivers shipping by 2027; Credo's Robin DSPs target that demand with up to 50% PCB space savings and low-power lasers.

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