

# Three-year warranty linear drive pluggable optical 800G



## Overview

The QDD-800LPO-2DR4 optical module is a linear, direct-drive, pluggable optical module designed for AI data centers and 800G Ethernet applications. It utilizes a QSFP-DD package and silicon photonics technology, achieving a total bandwidth of 800Gbps through eight 1310nm parallel channels and dual. Industry-leading linear drivers for 100G to 1. End-to-end solution with Marvell's TIA and DSP Enable higher. The 800GBASE-DR8 OSFP LPO (Linear-drive Pluggable Optics) optical transceiver module is designed for 800GBASE Ethernet throughput up to 500m link lengths over OS2 single-mode fibre (SMF) using a wavelength of 1310nm via dual MTP/MPO-12 APC connectors. This transceiver is compliant with CMIS 5. It's all about the SerDes! One of the first myths is that LPO transceivers do something new, but in. Majority of the switch ports in AI back-end Networks to be 800 Gbps in 2025 and 1600 Gbps in 2027, showing a very fast migration to the highest speeds available in the market. These challenges are forcing innovation to happen at all levels, including pluggable modules.

## Article Content

Coherent | OSFP 800G-DR8 Linear Pluggable Optics

Linear pluggable optics (LPO) technology, demonstrated in this video, has the potential to offer lower power consumption, lower cost, and lower latency,

LPO: Leading Low-Power 800G Optical

LPO differs from traditional optical modules by using linear drive and pluggable design, supporting hot-swappability to simplify fiber cabling and

Best Silicon Photonics Stocks 2026: Top 7 AI Picks

MACOM launched its Pure Drive 200 Gbps per lane linear driver in March 2024, enabling 1.6 terabit linear pluggable optical modules. The company benefits from the shift to linear pluggable optics,

Co Packaged Optics (CPO) – Scaling with Light for the

In Part 2: CPO Introduction and Implementation, we will dive deeper into how CPO works. This section will explore the evolution of the market from

400G, 800G, and Terabit Pluggable Optics:

Equipment and electrical serdes can evolve through 3 generations (25 Gb/s, 50 Gb/s or 100 Gb/s) without changing the optical interface that interconnects your equipment.

Linear Driver | Leading High Performance and Low

Marvell's industry leading linear drivers for 100G to 800G coherent and PAM4 technologies; providing cutting edge performance, quality and reliability to

2026 OFC Showcase

800G Optics, Multi-Rail Systems & Supply Chain Planning Bill Gartner, SVP & GM, Optical Systems and Optical Business Unit at Cisco Systems, presents the company's optical innovations at OFC,

800G Optics | HPE Juniper Networking US

This optics series is designed to address rapidly expanding 800GbE routing and switching solutions. Use cases include wide area, data center and AI/ML cluster

LPO Transceiver: Embracing the Future of Linear-drive

The Linear-drive Pluggable Optics (LPO) transceiver with linear-drive technology has advantages in power consumption, cost and latency.

OFC 2025 unveils 1.6T networking innovations

OFC 2025 showcases a range of innovations in DSPs, optical transceivers, AI-enabled networks, and 1.6-terabit technologies.

Eoptolink Launches Innovative 800G Linear-drive Pluggable

CHENGDU, China and FREMONT, Calif., March 6, 2023 /PRNewswire/ — Eoptolink Technology Inc., Ltd. (SZSE: 300502), a leading provider of optical transceiver solutions and

MACOM highlights 3.2T, 1.6T links at OFC 2026 | MTSI Stock News

AI centers get 3.2T optics, 1.6T copper links, PCIe 7.0 and 800G modules as MACOM demos connectivity portfolio at OFC 2026 in Los Angeles.

What is LPO Optical Module? | FiberMall

LPO, the full name of the English called Linear-drive Pluggable Optics. As you can tell from the name, it is an optical module packaging

How Linear-Drive Pluggable Optics (LPO) Is Revolutionizing 800G ...

Explore how Linear Pluggable Optics (LPO) transforms 800G transceivers in data centers, reducing power, latency, and costs while enabling high-speed, short-reach connectivity.

Eoptolink Launches Innovative 800G Linear-drive

Eoptolink Launches Innovative 800G Linear-drive Pluggable Optics During OFC 2023 Chengdu, China, and Fremont, California, Mar 6, 2023 – Eoptolink

Cisco Compatible 800G OSFP 2xDR4/DR8 Linear

Cisco compatible OSFP-800LPO-2DR4 is an 800G Linear Pluggable Optics (LPO) transceiver with LPO technology, optimized for N9364E-SG2X Series Switch,

800GBASE 2xDR4/DR8 OSFP Finned Top PAM4 1310nm 500m

The 800GBASE-DR8 OSFP LPO (Linear-drive Pluggable Optics) optical transceiver module is designed for 800GBASE Ethernet throughput up to 500m link lengths over OS2 single-mode fibre (SMF) using

Cisco OSFP 800G Transceiver Modules Data Sheet

The Cisco ® OSFP 800G transceiver modules provide 800 Gigabit Ethernet (GE), 2x 400GE, 4x 200GE, and 8x 100GE connectivity options,

NADDOD QDD-800LPO-2DR4 Arista Compatible 800G QSFP-DD

30-Day Free Return, 1-Year Free Replacement, 3-Year Warranty, Lifetime After-sales Technical Support. Need Help? The QDD-800LPO-2DR4 optical module is a linear, direct-drive, pluggable

Development trend of optical

Development trend of optical interconnect technology in intelligent computing centers Summary 6 High rate :Intelligent computing centers are driving the acceleration and innovation of optical module chips

Linear Drive Pluggable (LPO) Early Adoption: 800G Engineering

A deep-dive guide to Linear Drive Pluggable (LPO) early adoption. Learn about 800G signal integrity, SerDes tuning, RS-FEC limits, and TCO for AI data centers.

Eoptolink unveils 800G linear-drive pluggable optical

Eoptolink Technology Inc., Ltd. (SZSE: 300502) used OFC 2023 to launch 800G linear-drive pluggable optical transceivers (LPOs). The use of a

Eoptolink Technology Inc., Ltd.: 800G-DR8 Linear-drive

Eoptolink's 800G-DR8 Linear-drive Pluggable Optics (LPO) transceiver is available in OSFP and QSFP112-DD form factors.

Eoptolink Launches Innovative 800G Linear-drive

800G LPOs are designed without DSPs or CDRs, resulting in significantly lower power consumption and dramatically reduce latency

Linear Drive Pluggable Optics

In recent years, significant additional functionality has been added to the Host ASIC SerDes which supports longer transmissions over DAC/copper cables at higher speeds or to enable co-packaged

Linear Pluggable Optics (LPO) Reshape 400G-800G Networks in Europe

As cloud providers, HPC clusters and telcos ramp up 400G and 800G deployments, conventional optical transceivers are hitting efficiency, cost and latency limits. That's where Linear Pluggable Optics

400G, 800G, and Terabit Pluggable Optics:

Alternative to pluggable: Co-packaged Optics Co-packaged optics (CPO) and Linear Pluggable Optics (LPO) are two implementation variants of the same idea - reduce ASIC to optics power/DSP

FS Launches 800G Linear Pluggable Optics (LPO)

FS, Inc. has launched its 800G Linear Pluggable Optics (LPO) module. Designed for AI/ML applications, this advanced 800G DR8 OSFP

Linear pluggable optics for data centers

Half-Retimed Linear Optics creates an easier composite channel, allowing greater margin and robustness Shorter electrical Establishing compliant interfaces allows multiple vendors to

## 800G ZR+ Coherent Pluggable Transceivers

Lumentum 800ZR+ transceivers serve a wide range of applications, from DCI to metro and regional networks, thanks to their ability to interface directly with routers.

## Contact Us

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