

Low-loss 800G optical module original and genuine product



Overview

The STC-40028 from Swedish Telecom Opto's LPO Series is a high-performance 800 Gb/s QSFP-DD SR8 optical transceiver optimized for short-reach, high-bandwidth data-centre and AI workloads. The MTRO-D5F6C Transceiver is a high performance, cost effective module for optical data communication applications supporting 800G Ethernet. The MTRO-F6F6C. New Castle, Delaware – FS, a trusted provider of ICT products and solutions, has launched its cutting-edge 800G Linear Pluggable Optics (LPO) module. Designed for AI/ML applications, this advanced 800G DR8 OSFP finned top LPO module enables high-speed data transmission with ultra-low power. Amphenol's 800G OSFP optical modules include 2xDR4 (plus), 2xFR4 (plus), 2xLR4, AOC, and AOC breakout series, which adopt LC or MPO optical ports and are compatible with IEEE802. 3, OIF-CMIS and other standards. Utilizing Linear Pluggable Optics (LPO) architecture, the module operates without a DSP, leveraging host ASIC. NEW CASTLE, Del. The HSO6-800-LP-P8S uses LPO.



Article Content

Jan 23, 2026

800G QSFPDD SR8 100m Optical Transceiver Module | GIGALIGHT

The optical interface uses 16 fiber MTP (MPO) connector. The Common Management Interface Specification (CMIS) for OSFP modules, This module incorporates Gigalight Technologies proven

Oct 03, 2025

Demystifying 800G Transceiver: Types, Applications,

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

Sep 16, 2025

Cisco OSFP 800G Transceiver Modules Data Sheet

Note: The OSFP-800G-VR8, OSFP-800G-VR8P, OSFP-800G-DR8 and OSFP-800G-DR8P require patch cords with angled physical contact (APC) MPO connectors. All cables and cable assemblies

Mar 11, 2026

800GBASE-DR8 OSFP 1310nm 500m Transceiver Datasheet | FS

Description The Generic Compatible OSFP transceiver supports up to 500m link lengths over single-mode fiber (SMF) via dual MTP/MPO-12 connectors. This transceiver is compliant with IEEE802.3ck,

Aug 19, 2025

800G QSFP-DD LPO SR8 | EU-Tested Low-Power 800G Transceiver

The STC-40028 from Swedish Telecom Opto's LPO Series is a high-performance 800 Gb/s QSFP-DD SR8 optical transceiver optimized for short-reach, high-bandwidth data-centre and AI workloads.

Jun 23, 2026

LPO: Leading Low-Power 800G Optical Communication

For 800G optical modules, LPO implementations achieve ~8% total cost reduction (approximately \$50-60/module), with production scalability

Dec 18, 2025

800G OSFP LR8/2xLR4 Optical Transceiver Module

Asterfusion OSFP 800G LR8 optical transceiver module support 2x400G LR4, provides a transmission distance of up to 10km over SMF, power

Jun 26, 2026

800G-high performance module.

800G OSFP 2XFR4 The MTRO-F6F6C Transceiver is a high-performance, cost-effective module for optical data communication applications supporting 800G

Jun 26, 2025

FS 800G Transceivers and Cables Complete Guide

As critical components for high-speed connectivity, 800G optical modules and high-speed cables deliver superior bandwidth efficiency and ultra-low latency. This article provides a

Feb 08, 2026

800G Optical Modules Explained: Standards, Types

We will explore the emergence, technical standards, packaging, types, and applications of 800G modules, and answer common questions to help you

Feb 16, 2026

800G LPO OSFP

Eoptolink OSFP 800G LPO transceivers are compliant to the latest releases of the OSFP MSA. The firmware supports CMIS 5.0 and newer release. We offer

Feb 03, 2026

Everything You Need to Know About 800G/1.6T Optical

The 800G optical module supports high-speed backhaul between 5G base stations through fronthaul and midhaul networks, and at the same time provides low

Feb 02, 2026

800 Gb/s OSFP Transceivers

Amphenol's 800G OSFP optical modules include 2xDR4(plus), 2xFR4(plus), 2xLR4, AOC, and AOC break-out series, which adopt LC or MPO optical ports and are compatible with IEEE802.3, OIF

Jan 13, 2026

800GBASE-2FR4 OSFP 1310nm 2km Transceiver Datasheet | FS

The 800GBASE-2FR4 OSFP Optical Transceiver Module is designed for 800GBASE Ethernet throughput up to 2km over single-mode fiber (SMF) with duplex LC connectors.

Nov 10, 2025

800G QSFP-DD 2XLR4-800G-high performance module.

800G QSFP-DD 2XLR4 The Genuine Optics MQD-G7F6C is a high performance, cost effective module for optical data communication applications to 800G and transmission distance up to 10km on SM

Mar 06, 2026

LPO: Leading Low-Power 800G Optical Communication

By eliminating DSP chips, LPO optical modules achieve dramatic power reduction, cutting energy consumption by approximately 50% compared to

Feb 13, 2026

800G LPO Module | FS Inc. | Aug 2025

The FS 800G LPO DR8 module operates with a maximum power consumption of just 8.5 W, which is approximately 50% lower than 800G DSP-based modules.

Feb 18, 2026

800G-high performance module.

The MQD-G7F6C is a high performance, cost effective module for optical data communication applications to 800G and transmission distance up to 10km on

Oct 17, 2025

800G LPO Module: Enabling Low-Cost, Low-Latency Connectivity

Low Power Consumption and Latency: Compared to traditional 800G DSP-based transceivers that consume up to 17W, the FS 800G OSFP finned-top LPO module dramatically

Dec 30, 2025

Credo Introduces World's First 800G DSP for Linear

A full suite of link diagnostic features simplifies lab bring up and production testing. Low-power dissipation reduces cooling requirements and

May 31, 2026

800G LPO Module: Enabling Low-Cost, Low-Latency Connectivity

Over the past decade, optical communication speeds have advanced from 100G to 400G and are now accelerating into the 800G era. However, this progress comes with increasing

Apr 23, 2026

800G OSFP 2xFR4 2km Silicon Photonics

Description The Gigalight GOS-SI8012FR4C is a transceiver module designed for 2km optical communication applications, and it is compliant to OSFP MSA, IEEE 802.3 protocol. The silicon

Aug 17, 2025

800Gb/s OSFP Transceivers | Optical Interconnect

Amphenol's 800G OSFP optical modules include 2xDR4 (plus), 2xFR4 (plus), 2xLR4, AOC, and AOC breakout series, which adopt LC or MPO

Jul 09, 2025

FS Launches 800G LPO Module: A Power Efficiency and Latency

FS introduces an 800G LPO optical module, powering AI and HPC data centers with ultra-low power consumption, reduced latency, and proven reliability.

Mar 31, 2026

800G OSFP112 DR8 LPO FNT Pluggable Optical

It is a high-performance, low-power, low-latency and cost-effective module. The module contains 8 parallel channels on the transmitter and receiver, each

Feb 24, 2026

OSFP 800G

The 800G OSFP modules are state-of-the-art in broadband communications. With a remarkable data transmission capacity of 800 Gbps, these modules offer

Jul 26, 2025

800G Optical Modules Explained: Standards, Types

Discover everything about 800G optical modules—standards, packaging, types & applications. Learn how they power AI, HPC & next-gen data

Aug 04, 2025

Heavy Reading White Paper: 800G Client Optics in the Data Center

When hyperscale data center operators start deploying a new generation of client optics, they immediately require massive volumes of optical modules to build out switching fabric and router

Contact Us

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