

Delivery date for 800G optical receiver



Overview

You must configure FEC at both the transmitter and receiver ends of a communication link that uses 800G optical transceivers.

Key Takeaways

Shipments of 800G optical receivers are expected to begin in the second quarter of 2026 and continue through the third quarter of 2026. POET Technologies 800G Optical Engines

POET Technologies has received a production order for its POET Infinity™ 800G optical engines, which include 2xFR4 and DR8 receive engines. These optical engines are scheduled to ship to the customer in the second half of 2026, reflecting the company's commercial rollout for AI data server applications and hyperscale datacenter deployments. The order demonstrates the scalability of POET's technology and its integration into high-performance AI networking systems.

Applied Optoelectronics (AOI) 800G Transceivers

Applied Optoelectronics has secured a major volume order exceeding \$53 million for 800G single-mode data center transceivers. Following product qualifications, shipments are expected to start in the second quarter of 2026 and be completed by the middle of the third quarter of 2026. These transceivers are intended to support GPU cluster expansion and large-scale AI infrastructure, with additional orders anticipated as deployment scales across clusters and regions. AOI also forecasts revenue contributions from these shipments in the fourth quarter, assuming production and delivery timelines proceed as planned.

Market Context

The demand for 800G optical transceivers is rapidly increasing due to AI-driven workloads. Shipments of 800G modules are projected to grow significantly, with large-scale contracts and hyperscale deployments driving production schedules through 2026 . Both POET and AOI are aligning their manufacturing and delivery timelines to meet this growing market demand. In summary, if you are planning to procure 800G optical receivers, expect initial deliveries to begin in Q2 2026, with completion by mid-Q3 2026, depending on the supplier and order volume. This timeframe applies to both POET Infinity optical engines and AOI 800G transceivers.

Article Content

POET Technologies Receives \$5 Million Production Order for 800G

POET Infinity is a line of 400G optical engines that can be configured in a daisy-chain architecture to provide customers with 800G,

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800G Optical Transceivers Overview: Everything You Need to Know

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Explore 800G/1.6T pluggable optics: key architecture, applications, challenges, and future co-package trends.

800G: Design and validation of new generation high

Optical transceivers: forecast and trends 7 Market timing 1. 800G (8x100G) optics up and running 2. 800G Ethernet (switch & router)

A Comprehensive Guide to 800G Optical Transceivers

An in-depth guide to 800G and OSFP transceivers, explaining form factors, core features, key advantages,

800GbE Optics Shipments to Grow 60% in 2025

The datacom optical component market will grow 60%+ to reach over \$16B in revenue during 2025, based primarily

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An 800G transceiver uses multiple lanes of optical signals and advanced modulation techniques to achieve higher capacities. 800G

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

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--Applied Optoelectronics Inc., a leading provider of advanced optical and HFC networking products that power AI,

Types of 800G Transceivers

800G optical transceivers have begun mass production recently. Due to the outbreak of AI technologies, the market

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Applied Optoelectronics Inc. (NASDAQ: AAOI), a leading provider of advanced optical and HFC networking products that power the

800G OSFP Digital Coherent Optics Transceiver, OIF 800ZR

High transmitter optical output power enable the transceivers to be compatible with deployed and emerging ROADM line systems.

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