

## First company to ship 800g optical modules



### Overview

Madrid, Spain, 27 February 2025 - ZTE, a global leading provider of integrated information and communication technology solutions, in partnership with MASORANGE, a leading global telecommunications provider, has successfully completed the world's first deployment of 800G. Madrid, Spain, 27 February 2025 - ZTE, a global leading provider of integrated information and communication technology solutions, in partnership with MASORANGE, a leading global telecommunications provider, has successfully completed the world's first deployment of 800G. In Madrid, on February 27, 2025, the two companies unveiled the world's first commercial deployment of 800G coherent optical modules integrated with SRv6 in an IP backbone network. This upgrade could totally change how high-capacity networks handle speed, scale, resilience, and security. It's. Leading systems integrator to receive shipments of POET Infinity™ optical engines for AI data servers SAN JOSE, CA (October 22, 2025) - POET Technologies Inc. ("POET" or the Company") (NASDAQ: POET), a leader in the design and implementation of highly-integrated optical engines and light sources. BOSTON (May 7, 2025) - After explosive growth in 2024, 800G Datacom optics for AI and general computing applications will be the fastest growing segment of the market in 2025, according to the latest Optical Components Report from research firm Cignal AI. 6T optics will enter volume production in. Recently, industry insiders reported that Nvidia will increase its order volume for 800G optical modules in 2026, with an expected increase of 35%. During the National Day holiday, the mutual investment among American tech giants, with a spiraling ascent on both feet, has also brought tangible. As 800G modules transition from early adoption to mainstream deployment, the industry is already developing the next generations: 1. This comprehensive roadmap explores the technological ev...

## Article Content

The Future of 800G Optical Modules: Market Forecast

Conclusion The 800G optical module market is poised for rapid growth, driven by advancements in AI, cloud infrastructure, and telecom

800G Optical Modules Drive Market Recovery in 2025

800G modules drive optical market recovery in Q2 2025, with initial 1.6T shipments. This article highlights key trends in data center optics and AI

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,

Optical Module Technology Roadmap | 800G to 3.2T Evolution

Explore the future of optical module technology from 800G to 1.6T, 3.2T and beyond. Comprehensive roadmap covering silicon photonics, CPO, coherent datacom, and AI-optimized

Tracking the Coherent DSP Supply Chain

DSP development for high-performance optics supporting long-distance networks will remain within vertically integrated companies, but the market for the DSPs used in pluggables is

The Technical Solutions of FS 800G Transceivers

Three distinct stages have marked the progression of 800G tech. First Stage: Introduced an 8x100G dual interface (both optical and electrical),

800G: An Inflection Point for Optical Networks

Orion, Marvell's latest CDSP, represents a pivotal moment in the module evolution. Delivering up to 800 Gbps of bandwidth, Orion provides the

Updated: 800G - nothing but the facts

First, let's cover what we mean by 800G. Here, we are talking about state-of-the-art programmable coherent optical technology that operates at high

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

Introduction to 800G/1.6T Pluggable Optics Modules The Evolution of Optical Transceivers: From 100G to 1.6T Driven by the demand for computing power in

ZTE and MASORANGE Deploy First 800G Coherent Optics with SRv6

The recent announcement from ZTE and MASORANGE feels like a real leap in global telecom tech. In Madrid, on February 27, 2025, the two companies unveiled the world's first

800GbE Optics Shipments to Grow 60% in 2025

Innolight, Coherent, and Eoptolink are the largest suppliers of Datacom modules, with Coherent, Broadcom, and Lumentum as key sources of

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

ZTE and MASORANGE achieve world's first deployment of 800G

ZTE and MASORANGE have successfully deployed the world's first 800G coherent optics with SRv6 in a commercial IP backbone network, revolutionizing network efficiency and scalability

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

POET is a design and development company offering high-speed optical modules, optical engines and light source products to the artificial intelligence systems market and to hyperscale data

STMicro's Silicon Photonics Hits Mass Production: What 800G/1.6T

STMicroelectronics just entered high-volume production of its PIC100 silicon photonics platform — the manufacturing technology behind the 800G and 1.6T optical modules going into every

Hyper Photonix Unveils General Availability of 800G

The company will announce additional 800G and 1.6T products later this year, including the highly anticipated linear pluggable optic (LPO) and active

Everything You Need to Know About 800G/1.6T Optical Transceiver and Co ...

In contrast, the 800G tends to use 5nm DSP and traditional hybrid packaging. Additionally, the current power consumption and cost of the 1.6T optical module are quite high, and there is still a

Market Insights: 800G & 1.6T Silicon Photonics Optical

We offer a comprehensive range of products, including optical modules, DAC, AOC cables, 1.6T InfiniBand XDR silicon photonics transceivers

800GbE optics shipments to grow 60% in 2025 - report

The datacom optical component market will grow 60%+ to reach over US\$16 billion in revenue during 2025, based primarily on continued growth in

## Unleashing the Amazing Power of 800G Optical

Within this transformative milieu, multi-mode modules claim a dominant stance, surpassing single-mode modules in quantity. Notably, Approved

Optical Component Revenue Reaches Nearly \$25B in

Signal AI expects total datacom optical component revenue to grow at a 20%+ CAGR from 2024 through 2029, reaching nearly \$29 billion by the end of

Nvidia Orders Surge: InnoLight and Eoptolink Dominate

Within this, InnoLight's high-end products of 800G and above account for over 60% of revenue, with approximately 4.7 million units of 800G optical

People are acting like \$MXL is already "too late" at a ~\$9B market cap ...

The company already has millions of Keystone DSPs shipping into the current 800G wave. Rushmore is their 1.6T platform, expected to ramp right as hyperscalers begin scaling the next

The Future of High-Speed Data Transmission:

The growth of bandwidth demand has had a significant impact on high-speed optical modules. With the proliferation of emerging technologies and

## Contact Us

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