

The DCI optical module is pluggable



Overview

The solution simplifies transport between data centers by replacing stand-alone optical transponders with the Cisco ® portfolio of standardized coherent pluggable modules, which can be deployed directly in a data center switch or router. Using Marvell coherent DSP technology and the field-proven Marvell silicon photonics platform, switch-pluggable COLORZ™ modules make high-speed connectivity between cloud data centers as. From 100G to 400G and the upcoming commercialization of 800G, data center interconnect (DCI) and metropolitan area networks (MANs) are facing three major bottlenecks: bandwidth, latency, and energy consumption. GIGALIGHT provides 10G to 800G immersible pluggable active optical cable (AOC) with. By integrating amplification function into a transceiver form factor, with plug-and-play features, POLS offers a revolutionary solution to expand the reach of data center interconnects (DCIs). Here's how we're changing the game with POLS.



Article Content

Mar 09, 2026

DCI Optical Modules | Delivering high bandwidth over distance

Explore DCI Modules Marvell offers a portfolio of DCI modules designed to efficiently transmit data over regional fiber networks. Using Marvell coherent DSP technology and the field-proven Marvell silicon ...

Dec 08, 2025

Data Center Interconnect

400G-ZR Modules integrate fully tunable, standards based, coherent DWDM optics directly into the switch or router, eliminating the need for external transponders.

Jan 17, 2026

Pluggable Coherent Optics: The Ultimate Guide to Low-Latency DCI ...

Google's Jupiter DCI employs optical circuit switches (OCS) and pluggable coherent modules, achieving 30% higher bandwidth density and 40% lower power while maintaining low latency.

Dec 10, 2025

Inside the coherent pluggable flywheel

It came from hyperscalers and colocation operators who now make the biggest consumers of coherent pluggables for data center interconnect (DCI) and AI.

“Hyperscaler optical ...

Jul 09, 2026

Products

Lowers equipment costs by replacing stand-alone optical networking devices with a pluggable coherent optical module that can be deployed in routers and switches.

Oct 05, 2025

Home | DCI

Each individual has unique needs that are influenced by their physical, emotional, spiritual and social experiences. Our teams seek to meet and understand patients wherever they are in their kidney ...

Jul 02, 2026

Improve & Maintain the Dental Office | DCI Parts

DCI is a leading manufacturer and supplier of dental tools, parts, and operator equipment.

Jan 17, 2026

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.

May 13, 2026

Drum Corps International

Drum Corps International is the world leader in producing and promoting competitive stadium events for the world's most elite and exclusive marching music ensembles. Learn more at

Dec 04, 2025

Drum Corps International

Drum Corps International (DCI) is a governing body for drum and bugle corps. Founded in 1971 and known as "marching music's major league," DCI develops and enforces rules of competition and ...

Sep 09, 2025

DCI 2026: Big, Loud and Live

Experience the thunderous power and precision of the world's finest marching music ensembles. "Big, Loud & Live" brings the 2026 Drum Corps International World Championship ...

Jun 07, 2026

Schedule & Tickets on Sale at the DCI Box Office

Marching Music's Major League Schedule & Tickets. Order your tickets today for these Drum Corps International Events!

Mar 22, 2026

Simplify DCI Applications with Coherent POLS

At Coherent, we've developed the Pluggable Optical Line System (POLS) to solve these challenges. By integrating amplification function into a transceiver form factor, with plug-and-play ...

May 06, 2026

400G ZR vs. ZR+ vs. Open ROADM: Choosing the ...

Compare 400G ZR, ZR+, and Open ROADM to find the best coherent pluggable module for your network — from DCI to metro and long-haul deployments.

Feb 12, 2026

Pluggable Optical Modules – GIGALIGHT

GIGALIGHT provides 100G, 200G, and 400G pluggable digital coherent optical transceiver modules (DCO) for data center interconnection (DCI), 5G backhaul, metro telecommunication, and other long ...

May 22, 2026

DCI -Accelerating Pluggable Coherent Optics

Multi-vendor pluggable digital coherent optics (DCO) allow standard client module slots to offer the reach (~80 km) required. The integration of DCO such as QSFP-DD ZR with a wide range of network ...

Jan 03, 2026

2025 DCI World Championships

The DCI World Championships mark a week-long celebration of the "very best" in the world of marching music. In 2025, 48 ensembles will compete for World Championship titles, including 29 corps in ...

Oct 01, 2025

Drum Corps International

Drum Corps International. 634,994 likes · 16,906 talking about this. Marching Music's Major League™

Contact Us

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