

## Acacia optical module



### Overview

Acacia, now part of Cisco, has announced a pair of new 400G QSFP-DD coherent pluggable optical transceivers. High-speed highly compact and scalable optical integrated circuits in silicon Industry leading innovative low power and high optical performance DSP design Behind Acacia's commitment is a team of industry leaders with a broad range of experience in optical systems, networking, silicon photonics and. Today, Acacia, now part of Cisco, is adding to its award-winning, comprehensive portfolio of 400G coherent pluggable solutions, based on its Greylock 7nm Digital Signal Processor (DSP), with the new Bright 400ZR+ and ER1 400G pluggable coherent optical modules. Early adopters of Acacia's 400G. Acacia 400G CFP2-DCO Pluggable Coherent Optical Module CFP2-DCO Coherent transceivers are fully tunable across the 50GHz ITU-T grid frequency range, and support flex-grid DWDM tuning. It can soft-select among three phase modulation schemes for different applications, which is used with M6500 and. Our module products are powered by our internally developed and purpose-built coherent Digital Signal Processor (DSP) Application-Specific Integrated Circuits (ASICs) and silicon Photonic Integrated Circuits (PICs), which are engineered to work together and integrate numerous signal processing and. Acacia 100G/200G CFP2-DCO coherent optical modules are designed to support access/remote PHY aggregation, wireless backhaul, metropolitan/long distance service providers and data center networks Networkinterconnection. The module is designed to follow the carrier-centric OpenROADM MSA and the 100G. Acacia Communications Inc of Maynard, MA, USA (now part of Cisco) — which develops and manufactures high-speed coherent optical interconnect products — has expanded its client optics components portfolio with new products that leverage its proven digital signal processing (DSP) and silicon.

## Article Content

AI-driven datacenter and transport builds drove optical

**Key Highlights** The optical components market is projected to reach nearly \$29 billion by 2029, driven by AI-driven data center and transport builds. 400G+ datacom

Acacia shipping 1.2-Tbps CIM 8 optical module

Acacia, now part of Cisco, announced via a blog that it launched shipments of its 1.2-Tbps capable Coherent Interconnect Module 8 (CIM 8) to customers at the end of

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Acacia designs, manufactures, and sells a complete portfolio of high-speed optical interconnect technologies addressing a range of applications across datacenter, metro, regional, long-haul, and

[OSFP Coherent Optical Module Planning for the Future: Key Trends](#)

Within module types, the 400G OSFP coherent optical module is anticipated to experience the most rapid growth, driven by the demand for enhanced bandwidth and the widespread

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Acacia is widely recognized as a pioneer of silicon-based PICs for coherent optical communications—the highly integrated Silicon Photonics single-chip PICs are low

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These complex mesh networks typically cover ranges from approximately 80 to many hundreds of kilometers and may include up to 24 reconfigurable optical add-drop

Acacia expands client optics component portfolio

Acacia's client optics portfolio is driven by key customer requirements for better power efficiency, higher performance and smaller footprint from a proven high-volume supplier.

Acacia expands client optics component portfolio

With more than a million 100G-per-lane optical engines shipped in the last 12 months, Acacia is already an established supplier for client optics components based on silicon photonics.

Acacia 400G QSFP-DD Pluggable Coherent Optical Modules -

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## About Acacia

About Customer Focus, Disruptive Innovation, Trusted Reliability We are Acacia At Acacia, we are on a mission to transform cloud and communication networks with

Acacia DP04CFP2-D15-005 \_100G/200G/400G/800G cfp2-dco

The 400G CFP2-DCO module combines Acacia's Greylock DSP ASIC based on 7nm CMOS technology with Acacia's Silicon Photonic integrated circuit (PIC) to Achieve optimized common packaging design.

Market Study on Global Germany 5G Optical Module 2026-2033

The Germany 5G optical module market features notable players such as Finisar Corporation, Lumentum, and Acacia Communications, each vying for leadership in a rapidly

## Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.activa.net.pl>

Email: [sales@activa.net.pl](mailto:sales@activa.net.pl)

Phone: +48 662 748 193

Address: ul. Cybernetyki 7B, 02-677 Warsaw, Poland

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