

## Acacia Optical Module Accessories



### Overview

Acacia Communications' portfolio of edge and access solutions include a coherent bi-directional pluggable optical module for cable and 5G wireless xHaul applications, a 100G coherent point-to-point edge and access solution for 5G wireless xHaul and enterprise services, and a. Acacia Communications' portfolio of edge and access solutions include a coherent bi-directional pluggable optical module for cable and 5G wireless xHaul applications, a 100G coherent point-to-point edge and access solution for 5G wireless xHaul and enterprise services, and a. Why are Coherent Optics So Important for Scale Across?

Enhances signal integrity and performance via the reduction of electrical interconnects while improving efficiencies in cost, reliability, power and size. High-speed highly compact and scalable optical integrated circuits in silicon Industry. - On March 1, 2021 Cisco announced it has successfully completed the acquisition of Acacia Communications, Inc., a Massachusetts-based company and existing Cisco supplier. Acacia designs, manufactures, and sells a complete portfolio of high-speed optical interconnect technologies

addressing a range. 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 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. Coherent transport in client optics from factors in 100G/200G/400G speeds 3nm 1. 6T Kibo PAM4 DSP with market leading power efficiency Transmit and receive optical engines supporting 200G per lane electrical designs Our module products are powered by our internally developed and purpose-built. 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.

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High-speed short-reach optical interconnects to link devices associated with AI training clusters. Interconnecting a wide range of traffic from central offices and data centers within a metropolitan ...



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Quad Small Form-factor Pluggable Double Density (QSFP-DD) solution that fits into high-density switch and router client ports for optical interconnect links Powered by Greylock and Delphi DSP ASICs, ...



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The module is designed to follow the carrier-centric OpenROADM MSA and the 100G standard in CableLabs addition to supporting interoperable line-side transmission, the module also features ...



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.



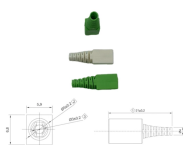
With multiple generations ahead of the competition, Acacia's coherent DSPs for subsea capable performance as well as interoperable MSA pluggable module applications are designed to fulfill the ...



For converged packet/OTN optical platforms, Microchip's DIGI-G5 and Acacia's 400G CFP2-DCO module are designed to enable terabit-class OTN ...



Cisco is firmly committed to Acacia's existing customers and new customers that want industry leading coherent optics, modules, and transceivers for use in networking products and datacenters.



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For converged packet/OTN optical platforms, Microchip's DIGI-G5 and Acacia's 400G CFP2-DCO module are designed to enable terabit-class OTN switching line cards, muxponders, and ...

## Contact Us

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