

Manufacturer of Coherent Optical Modules for Remote Monitoring



Overview

Headquartered in Saxonburg, Pennsylvania, Coherent has research and development, manufacturing, sales, service, and distribution facilities worldwide. Broad product offerings and innovative technology have made Coherent the world's largest supplier of pluggable optical modules. Perform OSNR monitoring, valid channel detection, and center wavelength measurement of signals with arbitrary modulation formats. Coherent's FTLF8529P5xyV transceivers feature a hot-pluggable SFP+ footprint. Finisar's FTLF1436P3BCL 25G Ethernet long-wavelength SFP+ optical transceiver. Use our economical OCMs if you're an OEM looking to meet aggressive cost targets for embedded DWDM monitoring for ROADMs, multi-haul, and third-party wavelength applications. Our low-cost, ultra-compact optical channel monitors are ideal for use in closed-loop control of power-equalized channels. Our portfolio addresses the analog interfaces between electrical and optical domains providing solutions to meet the demanding size. GIGALIGHT provides the smart box tools for online coding of SFP, XFP, SFP+, QSFP+, and QSFP28 optics, as well as wavelength tuning for 10G tunable XFP/SFP+ optical transceivers. GIGALIGHT provides a series of BER testing tools (checker) for 10G SFP+, 25G/32GFC SFP28, 40G QSFP+, 100G QSFP28, 200G. Coherent laser sources and measurement devices are ideal for machine vision, life science, & material processing applications.

Article Content

May 23, 2026

Low Cost Optical Channel Monitors – CTM Series

Low Cost Optical Channel Monitors – CTM Series Use our economical OCMs if you're an OEM looking to meet aggressive cost targets for embedded DWDM

Mar 07, 2026

Datacom | Coherent

Discover why Coherent is an industry-leading vendor of high-speed datacom components, transceivers, modules, instrumentation, and active optical cables

Feb 26, 2026

Coherent Optical Modules: A Revolutionary Technology

Coherent optical modules deliver high bandwidth and low latency, powering next-generation AI and cloud data center connectivity.

Oct 16, 2025

Coherent Optical Module Market Report | Global Forecast From 2025

Infinera Corporation is known for its advanced coherent optical modules and integrated optical networking solutions, catering to both telecom operators and data center operators.

Nov 20, 2025

Coherent Introduces Pluggable High Dynamic Range

As optical networks shift toward pluggable modules, the QSFP eOTDR enables in-service fiber health monitoring without additional infrastructure investment. Its

Dec 30, 2025

Optical monitoring module

Find out all of the information about the COHERENT product: optical monitoring module CTM. Contact a supplier or the parent company directly to get a quote or

Nov 12, 2025

Optical Transceivers | Coherent

Get the pluggable module performance you need from the manufacturer of choice for all major networking equipment vendors worldwide.

Oct 14, 2025

Coherent Introduces Ultrahigh-Resolution Telemetry

Coherent Corp. (Nasdaq: COHR), a leader in optical communications technology, today announced the introduction of its ultrahigh-resolution telemetry

Jul 26, 2025

Coherent Optical Modules: A Revolutionary Technology

In the digital age, optical communication technology is evolving at an astonishing speed, and coherent optical modules, as its core components, are

Dec 03, 2025

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Communication Components Choose from our comprehensive offering of optical components optimized for datacom and telecom systems, data centers, and

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AOWave Series Analog Optical Modules

Analog optical transmitters and receivers are designed to meet the evolving needs of high-throughput radio frequency (RF) systems across various industries. AOWave analog optical modules support

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Use Coherent economical OCMs if you're an OEM looking to meet aggressive cost targets for embedded DWDM monitoring for ROADMs, multi-haul, and third-party

Nov 18, 2025

Coherent Introduces Ultra-Wideband Telemetry Module

PITTSBURGH, Feb. 16, 2023 (GLOBE NEWSWIRE) – Coherent Corp. (Nasdaq: COHR), a leader in optical communications technology, today announced the

Mar 19, 2026

Coherent Corp.

Coherent Corp. is a world leader in engineered materials and optoelectronic components. The company develops and manufactures innovative products for a

Jan 09, 2026

Coherent Introduces Ultra-Wideband Telemetry Module for ...

--Coherent Corp., a leader in optical communications technology, today announced the introduction of its ultra-wideband telemetry module, or optical channel monitor, specifically designed for next ...

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Optical Monitoring Perform OSNR monitoring, valid channel detection, and center wavelength measurement of signals with arbitrary modulation formats.

Apr 03, 2026

Coherent Optical Equipment Market Size, Share, and Trends Analysis

The global Coherent Optical Equipment market size was estimated at USD 58.79 Billion in 2024 and is estimated to grow at a CAGR of 9.22% from 2025 to 2032.

May 05, 2026

Coherent Distributor | DigiKey

Headquartered in Saxonburg, Pennsylvania, Coherent has research and development, manufacturing, sales, service, and distribution facilities worldwide.

Feb 28, 2026

High Resolution Optical Channel Monitor (HR-OCM)

Perform advanced monitoring of spectral features, including valid channel detection, optical power, and OSNR, and determine center wavelength with sub-GHz

Aug 11, 2025

Coherent Announces Alpha Availability of Novel Analog Optical

--Coherent Corp., a global leader in optical communications and laser-based technologies, announces the sample availability of its innovative new analog optical multi-link

Oct 29, 2025

MEMS Optical Switches | Coherent

Use our custom MEMS optical switches in applications that require continual switching, where their high-reliability and long-lifetimes are major advantages.

Jul 26, 2025

Coherent Optical Equipment Market Size, Forecast

Coherent Optical Equipment Market Insights: The global coherent optical equipment market size was valued at USD 18.64 billion in 2018, and is projected to reach

Jan 01, 2026

Global Leader in Materials, Networking, and Lasers

Learn how Coherent empowers innovations and breakthrough technologies for the industrial, communications, electronics, and instrumentation markets.

Oct 06, 2025

Optical Communications | Coherent

Coherent brings the world closer together with the industry's broadest portfolio of products for optical communications. The global optical network infrastructure

Apr 13, 2026

Coherent Optical Modules - GIGALIGHT

GIGALIGHT offers a comprehensive range of optical transmission systems that include monitoring, management, and transmission modules. GIGALIGHT provides a series of pluggable 3G/12G/48G

Dec 02, 2025

Coherent®

Coherent laser sources and measurement devices are ideal for machine vision, life science, & material processing applications. Shop now at Edmund Optics!

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Wavelength Management | Coherent

Choose from the industry's broadest portfolio of wavelength-management products designed for the next-generation of dynamically reconfigurable optical networks.

Contact Us

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