

Does JCET Group involve optical modules



AI Overview

Yes, JCET Group produces optical modules through its co-packaged optics (CPO) and silicon photonics engine technologies. JCET Group has made significant advancements in co-packaged optics (CPO), which integrates optical engines directly with computing chips to create compact, energy-efficient optical modules for high-performance computing and data center applications. These optical engines are developed on JCET's XDFOI® multidimensional heterogeneous advanced packaging platform, allowing high-density integration of photonic and electronic components within a single package.

Key Features of JCET's Optical Modules

- High Bandwidth and Low Latency:** By co-packaging optical and electrical components, JCET's modules reduce signal transmission distances, improving bandwidth density and lowering latency compared to conventional pluggable optical modules.
- Energy Efficiency:** CPO technology reduces reliance on power-hungry digital signal processors and long copper traces, resulting in lower overall power consumption.
- Scalable Integration:** The optical engines are designed for both scale-up and scale-out network architectures, supporting next-generation computing infrastructure.
- Customer-Ready Samples:** JCET has delivered silicon photonics engine samples to customers, which have successfully passed validation and testing, demonstrating their readiness for practical deployment.
- Applications** JCET's optical modules are targeted at high-performance computing, data centers, and next-generation networking platforms, where ultra-high bandwidth and energy-efficient interconnects are critical. The company continues to invest in advanced packaging, optical test capabilities, and multidimensional heterogeneous integration to expand its optical module offerings.

In summary, JCET Group is actively producing and developing optical modules through its CPO and silicon photonics technologies, positioning itself as a key player in the optical interconnect market for next-generation computing systems.

Article Content

JCET (company)

JCET Group is a publicly traded company headquartered in Jiangyin on China's eastern coast. It is the largest Outsourced Semiconductor Assembly and Test (OSAT) company in mainland China and

China's OSAT leaders Tongfu, JCET advance co

The technology integrates optical engines with switch chips to reduce power consumption and expand bandwidth, positioning it as a core enabler for

JCET Group — News Detail

JCET's CPO solution integrates the optical engine with ASIC chips for switching and computing on a single substrate using advanced packaging technologies, enabling heterogeneous

JCET Group — News Detail

From an application perspective, JCET deepened its presence in high-growth segments including high-performance computing, storage, automotive electronics, and power management.

JCET (company)

JCET Group Co., Ltd. is a Chinese multinational corporation specializing in outsourced semiconductor assembly and test (OSAT) services for integrated circuits. Founded in 1972 and headquartered in

JCET powers smart glasses with advanced packaging

Each module comes with unique technical requirements and demands highly specialized semiconductor packaging and testing solutions. At JCET, we bring it all together.

JCET Delivers Silicon Photonics Engine Samples,

Shanghai, China, January 21, 2026 — JCET Group today announced a key milestone in co-packaged optics (CPO). The company has delivered customer

JCET's Co-Packaged Optics: Enabling Next-Gen Performance

Driving the Future of Data Connectivity with Co-Packaged Optics (CPO) JCET's latest CPO packaging solutions deliver higher bandwidth, lower power, and improved signal integrity — enabling next ...

JCET Group — News Detail

Mr. Owen Jin, VP of JCET Group and General Manager of the AI & Smart Industry BU, stated: "The transition from pluggable optical modules to highly integrated CPO devices brings significant system

Jiangsu Changjiang Electronics Technology Co., Ltd

Jiangsu Changjiang Electronics Technology Co., Ltd BRAND:JCET PRODUCT:Integrated circuit packaging, processors and controllers, memory, transistors, diodes, integrated circuit parts I& E

JCET (company)

JCET was formed in 1972, when Jiangyin converted a local factory to produce transistors. JCET went public on the Shanghai Stock Exchange in 2003 and continued to grow over time. JCET provides a

JCET Group — News Detail

With decades of expertise in power device packaging and testing, JCET Group offers a comprehensive power product portfolio encompassing IGBT, SiC, GaN, and more. In the field of high-density power

JCET Group — News

JCET CEO Li Zheng Addresses the 30th World Semiconductor Council Meeting
Company News 2026-06-09 JCET Launches Next-Generation Power Module Packaging and Test Solutions for AI Data

JCET hits significant high-tech microchip milestone

JCET Group, a leading Chinese provider of integrated circuit back end manufacturing and technology services, said it has achieved high-volume

Does JCET Group count as an optical module

By integrating optical engines with ASICs in a single package, we achieve shorter optical paths, optimized thermal management, and reliable system-level performance.

JCET's Co-Packaged Optics: Enabling Next-Gen Performance

By integrating optical engines with ASICs in a single package, we achieve shorter optical paths, optimized thermal management, and reliable system-level performance.

What is Growth Strategy and Future Prospects of JCET

Explore how JCET Group's integrated solutions and global presence drive its growth in the semiconductor industry. Learn more about its strategic

JCET Group — Company Information

About JCET JCET Group is a global leader in integrated circuit back-end manufacturing and technology services. We provide comprehensive turnkey solutions, including semiconductor package integration

China's largest OSAT company JCET will soon start mass production

It supports experimental verification from chip, packaging, and module to final product, serving as an integral part of the solution. Founded in 1972 and listed on Shanghai Stock Exchange

JCET Group — Home

About JCET Founded in 1972, JCET Group is the world's leading integrated circuit manufacturing and technology services provider. JCET is a global company that serves the world through our rich

JCET Group — News Detail

JCET Group is a leading global semiconductor packaging and test provider, offering a full range of turnkey services that include semiconductor package design and characterization, R& D, wafer

JCET's CPO Solution Accelerates Efficiency and Bandwidth

JCET's CPO solution integrates the optical engine with ASIC chips for switching and computing on a single substrate using advanced packaging technologies, enabling heterogeneous

JCET Group | Semiconductor Materials and Equipment

JCET Group is the world's leading integrated-circuit manufacturing and technology services provider, offering a full range of turnkey services that include semiconductor package integration design and

CPO Emerges as the New Sought-After as

As artificial intelligence and high-performance computing workloads continue to grow rapidly, system demand for optical interconnect technologies

JCET Delivers Silicon Photonics Engine Samples,

JCET will continue to increase investment in advanced packaging, with a focus on multidimensional heterogeneous integration and optical test

JCET Group — Turnkey Services

Benefits of Turnkey Solutions Leveraging synergies in assembly and test, JCET offers integrated turnkey solutions that span the entire product manufacturing process—from design to delivery. JCET can

JCET Group Co., Ltd. integrated circuit manufacturing

JCET Group Co., Ltd. is a global leader in semiconductor micro-system integration and packaging and testing services. Through high-integration Wafer-Level

Contact Us

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