LIGHTCOUNTING

HIGH-SPEED ETHERNET OPTICS

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Source: Equinix via Data Center Frontier

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Abstract

This report analyzes the impact of growing data traffic and the changing architecture of data centers on the market forecast for Ethernet optical transceivers with a focus on the high-speed modules used in data centers. It leverages extensive historical data on shipments of Ethernet modules combined with extensive market analyst research to make projections for sales of these products in 2022-2027. The report offers a comprehensive forecast for more than 50 product categories, including 1GbE, 10GbE, 25GbE, 40GbE, 50GbE, 100GbE, 200GbE, 2x200GbE, 400GbE, 800G and 1.6T transceivers, sorted by reach and form factors. It provides a summary of the technical challenges faced by high-speed transceiver suppliers, including a review of the latest products and technologies introduced by leading suppliers.

The report is based on confidential sales information and on detailed analysis of publicly available data released by leading component and equipment manufacturers along with considerable input from industry experts.

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LightCounting is a market research company focused on the in-depth study of high-speed interconnects for the datacom, telecom, and consumer communications markets. Our research covers the whole supply chain from optical and semiconductor components, to modules, sub-systems, and their applications in telecom and datacom systems.

Our industry reputation was built by providing solid market data and objective analysis to help industry executives in making tactical and strategic business decisions and to see past all the market hype, rumors, press reports, blogs and other distortions that so often complicate and confuse many decision-making processes.

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