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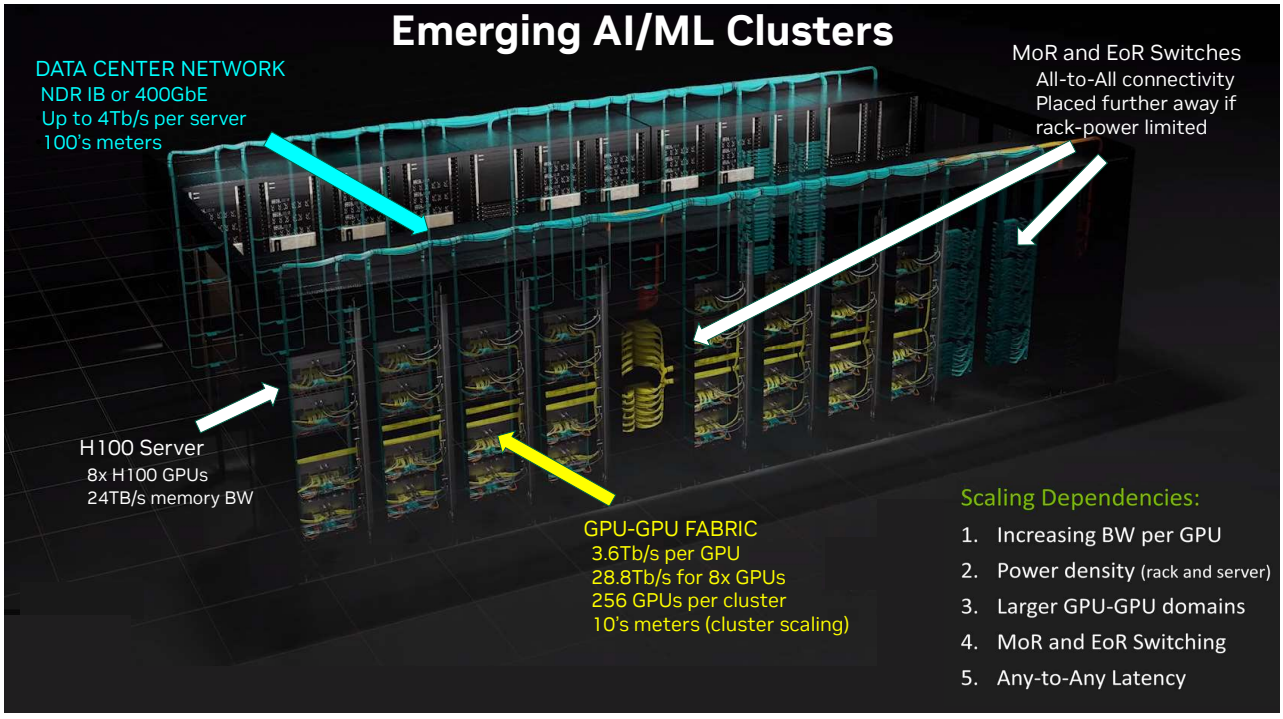
MEGA DATACENTER OPTICS REPORT

JULY 2023

AI creates a new wave in demand for optical transceivers



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Abstract

This report analyzes the impact of Mega Datacenters on the market for Ethernet and DWDM optical transceivers. It leverages extensive historical data on shipments of these products, combined with market analyst research, to make projections for the market in 2023-2028. The report offers a comprehensive forecast for more than 60 product categories, starting with 10G and up to 1.6T DWDM and Ethernet transceivers, sorted by reach, form factors. This data is segmented into three main applications: telecom, enterprise and cloud. It includes detailed models for sales of optical transceivers to the top 5 US-based and top 5 Chinese Cloud companies, including: Alphabet (Google), Amazon, Apple, Meta (Facebook) and Microsoft; Alibaba, Baidu, Bytedance, Huawei and Tencent.

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

LightCounting Market Research

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 seeing 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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