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Global High-speed Cables for Data Centers Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global High-speed Cables for Data Centers market size was valued at US$ 1772 million in 2025 and is forecast to a readjusted size of US$ 5236 million by 2032 with a CAGR of 16.2% during review period.

High-speed cables for data centers (DAC and AOC) are a type of integrated interconnect component designed specifically for short-to-medium distance, high-density, high-speed interconnect scenarios in data centers. They consist of standardized optical module connectors at both ends and a transmission medium in the middle. They have the core characteristics of plug-and-play, low latency, high bandwidth density, and controllable power consumption. They are mainly used for signal transmission between nodes such as servers, switches, and storage devices, replacing the traditional separate solution of "independent optical modules + fiber optic/copper cables". They are key interconnect products supporting Leaf-Spine architecture, AI computing clusters, and storage networks in data centers.

The price of high-speed cables depends largely on the speed. In 2025, the average price range for high-speed cables (DAC and AOC) for data centers is approximately $70 per cable, with annual sales of 24.6 million cables.

This report is a detailed and comprehensive analysis for global High-speed Cables for Data Centers market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets.

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Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global High-speed Cables for Data Centers market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global High-speed Cables for Data Centers market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global High-speed Cables for Data Centers market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global High-speed Cables for Data Centers market shares of main players, shipments in revenue ($ Million), sales quantity (K Units), and ASP (US$/Unit), 2021-2026

The Primary Objectives in This Report Are:
To determine the size of the total market opportunity of global and key countries
To assess the growth potential for High-speed Cables for Data Centers
To forecast future growth in each product and end-use market
To assess competitive factors affecting the marketplace

This report profiles key players in the global High-speed Cables for Data Centers market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Nvidia Corporation, Amphenol Corporation, Molex, Juniper Networks, TE Connectivity, Volex, Panduit, Luxshare Precision, JPC Connectivity, Credo, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

High-speed Cables for Data Centers market is split by Type and by Application. For the

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period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

AOC

DAC

Market segment by Speed

25G

100G

400G

800G

Others

Market segment by Application

Internet Data Center (IDC)

Artificial Intelligence Data Center (AIDC)

Major players covered

Nvidia Corporation

Amphenol Corporation

Molex

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Juniper Networks

TE Connectivity

Volex

Panduit

Luxshare Precision

JPC Connectivity

Credo

Proterial

Electric Connector Technology Co., Ltd

Zhaolong Interconnect

Kingsignal

Shenzhen Sopto Technology Co., Ltd.

ATOP Corporation

Broadex Technologies

Market segment by region, regional analysis covers
North America (United States, Canada, and Mexico)
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)
South America (Brazil, Argentina, Colombia, and Rest of South America)
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

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Chapter 1, to describe High-speed Cables for Data Centers product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of High-speed Cables for Data Centers, with price, sales quantity, revenue, and global market share of High-speed Cables for Data Centers from 2021 to 2026.

Chapter 3, the High-speed Cables for Data Centers competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the High-speed Cables for Data Centers breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026.and High-speed Cables for Data Centers market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of High-speed Cables for Data Centers.

Chapter 14 and 15, to describe High-speed Cables for Data Centers sales channel, distributors, customers, research findings and conclusion.

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