

Active Optical Cable Market Size, Share & Trends Analysis Report By Form Factor (QSFR, SFP), By Application (High-performance Computing (HPC), Consumer Electronics), By Protocol, By Region, And Segment Forecasts, 2024 - 2030

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Abstracts

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Active Optical Cable Market Size & Trends

The global active optical cable market size was estimated at USD 3.97 billion in 2023 and is expected t%li%grow at a CAGR 12.6% from 2024 t%li%2030. The higher reliability of active optical cables compared t%li%traditional copper cables, along with the widespread adoption of cloud-based services, is driving market growth during the forecast period. In addition, factors such as digitalization and the rollout of 5G networks present significant growth opportunities for the market.

The superior reliability of active optical cables over traditional copper cables, combined with the extensive adoption of cloud-based services, is propelling market growth during the forecast period. Furthermore, digitalization and the rollout of 5G networks offer significant growth opportunities for the market. Moreover, the widespread adoption of 4K and 8K Vide%li%Technologies is fueling the market growth. 4K and 8K vide%li%technologies have become prevalent in industries like medical imaging, gaming, broadcasting, and digital signage, leading t%li%a substantial rise in the demand for high data rates and extended transmission distances. T%li%meet these needs, Active optical cables have become essential solutions. These progressed optical interconnects offer seamless and reliable transmission of high-resolution vide%li%signals over long distances, ensuring the quality and integrity of the



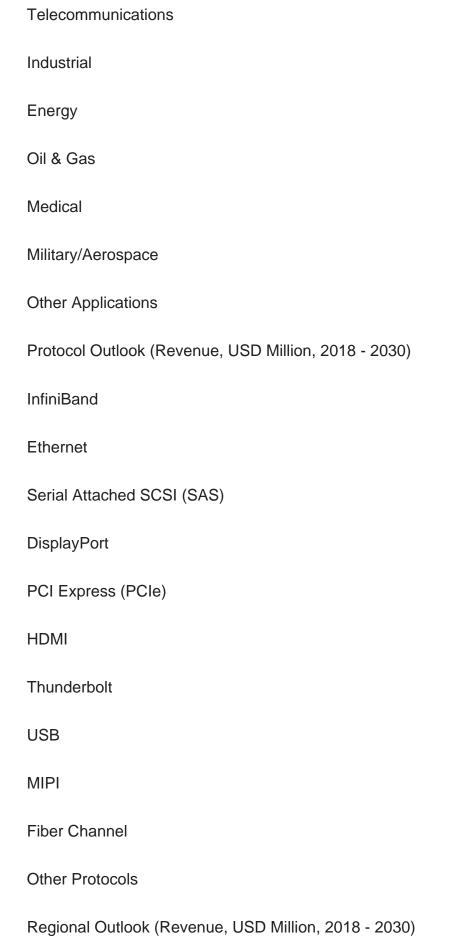
vide%li%content.

Global Active Optical Cable Market Report Segmentation

This report forecasts revenue growth at global, regional, and country levels and provides an analysis of the latest industry trends in each of the sub-segments from 2018 t%li%2030. For this study, Grand View Research has segmented the global active optical cable market report based on form factor, application, protocol, and region:

Form Factor Outlook (Revenue, USD Million, 2018 - 2030)
QSFP
QSFP-DD OSPF/CFP8/COBO
SFP
SFP+
PCIE
CXP
CX4
CFP
CDFP
Other
Application Outlook (Revenue, USD Million, 2018 - 2030)
Data Centers
High-performance Computing (HPC)
Consumer Electronics







North America
U.S.
Canada
Mexico
Europe
Germany
UK
France
Asia Pacific
China
Japan
India
South Korea
Australia
Latin America
Brazil
Middle East and Africa (MEA)
Kingdom of Saudi Arabia
UAE



South Africa



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