

Dark Fiber Network Global Market Report 2025: Advanced Network Capabilities Paving The Way For Digital Transformation

The Business Research Company's Dark Fiber Network Global Market Report 2025 – Market Size, Trends, And Forecast 2025-2034

LONDON, GREATER LONDON, UNITED KINGDOM, February 21, 2025 /EINPresswire.com/ -- Is the Dark Fiber Network Market Set to Witness Substantial Growth?



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Dive into the dark fiber network market, whose size has grown rapidly in recent years. It is set to expand from \$6.94 billion in 2024 to \$7.98 billion in 2025 at a compound annual growth rate CAGR of 14.9%. The traction accumulated in the previous period primarily resulted from the



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broadening internet services, an uptick in cloud computing, and growth in the construction of data centers. Factors such as increased demand for high-speed and reliable connectivity, as well as a surge in video streaming and IoT applications, have also contributed to the rise.

Looking forward, rapid growth is expected in the [dark fiber network market size](#) in the coming years, reaching \$13.76 billion in 2029 at a compound annual growth rate CAGR of 14.6%. What's driving this exponential growth in the

forecast period? The global rollout of 5G networks, mounting adoption of edge computing, heightened demand for low-latency connectivity, growth in AI and machine learning applications, and the rise of remote work and digital collaboration tools, to name a few. The forecast period is also set to be marked by major trends like the adoption of 5G networks, innovation in high-speed internet connectivity, advancements in IoT connectivity, enhancements in network security, and advancements in low-latency communication infrastructure.

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What Drives The Dark Fiber Network Market Growth?

Another major catalyst expected to propel the dark fiber network market's growth is the increasing demand for high-bandwidth connections. High-bandwidth connections allow for the transmission of large amounts of data at high speeds, facilitating efficient data transfer. With the growing need for faster data transfer speeds and the rising use of data-intensive applications and services, the demand for high-bandwidth connections is on an upward trajectory. Dark fiber networks support such connections by offering dedicated, high-capacity fiber optic infrastructure that can be tailored to meet demanding data transmission requirements. For instance, a recent survey conducted by the UK Parliament's House of Commons Library found that as of January 2023, 72% of premises in the UK could access gigabit-capable broadband. This signals a significant rise from 36% in January 2021 and 64% in January 2022, highlighting the growing demand for high-bandwidth connections, which will catalyze the growth of the dark fiber network market.

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Who Are The Key Players In The Dark Fiber Network Market?

The dark fiber network market also boasts an impressive roster of major companies, including Verizon Communications Inc., Comcast Corporation, AT&T Corporation, Nippon Telegraph and Telephone NTT Communications, Huawei Technologies Co. Ltd., Cisco Systems Inc., Lumen Technologies Inc., Prysmian Group, CenturyLink Inc., CommScope Inc., Crown Castle International Corp., Windstream Holdings Inc., Juniper Networks Inc., Fujikura Ltd., Ciena Corporation, Tata Communications Limited, GTT Communications Inc., Finisar Corporation, Colt Technology Services Group Limited, Consolidated Communications Holdings Inc., Zayo Group Holdings Inc., Lumos Networks Corp., Euronetworks Group Limited, Fiber Light LLC., and Eurofiber NV.

What Are The Emerging Trends In The Dark Fiber Network Market?

In a bid to stay ahead of the competition, key players are focusing on technological advancements such as digital network solutions. These innovative solutions aim to enhance services and accelerate the deployment of high-speed, high-capacity networks. Take, for instance, the joint venture launched in September 2024 by SummitIG, a US-based telecommunications company, and Neutral Networks, a Mexico-based telecommunications provider. Called SierralG, this initiative aims to develop dark fiber infrastructure in Mexico, catering to the pressing need for reliable, scalable network solutions in key data center markets like Querétaro and Monterrey.

How Is The Dark Fiber Network Market Segmented?

The dark fiber network market is segmented by network type into Long-Haul and Metro, by fiber type into Single Mode and Multi-Mode, and by material into Plastic and Glass. It also caters to a range of end users including Banking, Financial Services, And Insurance BFSI; Telecom; Oil And Gas; Aerospace; Healthcare; and other end-users. In terms of network type, the Long-Haul sub-segment encompasses Intercity Fiber Networks, Submarine Fiber Cables, and Cross-Country Fiber Networks. The Metro sub-segment includes Intra-City Fiber Networks, Local Access Networks, and Fiber-to-the-Building FTTB Networks.

What is the Regional Analysis Of Dark Fiber Network Market?

Regionally, the dark fiber network market is dominated by North America, which was the largest region in 2024. However, Asia-Pacific is forecast to be the fastest-growing region in the period ahead. The report provides a comprehensive coverage of regions including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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