

Global Serial to Fiber Media Converters Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/GDB0CBA9805BEN.html>

Date: July 2023

Pages: 129

Price: US\$ 4,480.00 (Single User License)

ID: GDB0CBA9805BEN

Abstracts

The global Serial to Fiber Media Converters market size is expected to reach \$ 571.6 million by 2029, rising at a market growth of 5.2% CAGR during the forecast period (2023-2029).

Industrial Ethernet networks demand extended reach for data transmission. Industrial Ethernet networks consist of multiple data terminal equipment (DTE) and data communication equipment (DCEs) integrated together. To transmit data from the DTE to DCEs, Ethernet-compliant transmission media such as copper cables, fiber optics cables, etc are utilized. In modern industrial Ethernet networks, fiber optics has become a highly preferred choice due to its efficiency, data security, transmission speed, and higher bandwidth, etc. Since data signals transmitted from the DTE are in electric form, electric-optical data conversion is required. For the data conversion, the media converters are utilized. The Ethernet network extension is often done to accommodate long distance data transmission requirements. To achieve the same, serial-to-fiber media converters are utilized.

The Serial to Fiber Media Converters market refers to the market for devices that convert serial data signals to optical fiber signals, allowing data to be transmitted over longer distances with higher speed and reliability. These converters are used in a variety of industries, including industrial automation, transportation, and telecommunications.

The market for Serial to Fiber Media Converters is expected to grow steadily in the coming years, driven by the increasing demand for high-speed data transmission over long distances, as well as the growing need for secure and reliable data communication in critical applications. Some of the key factors driving growth in this market include:

Increasing demand for high-speed data transmission: As data volumes continue to grow, there is an increasing need for faster and more reliable data transmission over longer distances. Serial to Fiber Media Converters offer a cost-effective and efficient way to transmit data over longer distances with minimal loss or interference.

Growing need for secure and reliable data communication: In many industries, such as transportation and industrial automation, the reliability and security of data communication is critical. Serial to Fiber Media Converters offer a secure and reliable way to transmit data over longer distances, minimizing the risk of data loss or interference.

Advancements in technology: With the ongoing advancements in technology, Serial to Fiber Media Converters are becoming more advanced, reliable, and cost-effective. This is making them more accessible to a wider range of industries and applications.

Some of the key players in the Serial to Fiber Media Converters market include Advantech, Moxa, Perle Systems, Black Box Corporation, Lantronix and Antaira Technologies.

In terms of application, the factory automation segment is expected to hold the largest market share during the forecast period, driven by the increasing demand for automation solutions in various industries and the need for secure and reliable data communication in industrial environments.

Overall, the Serial to Fiber Media Converters market is expected to experience steady growth in the coming years, driven by the increasing demand for high-speed, secure, and reliable data communication over longer distances.

Serial to fiber converters, sometimes also called fiber optic modem (FOM), is a device which provides electrical to optical conversion of electronic communication and data signals for transmission using tactical fiber optic cable assemblies. The converter simultaneously receives incoming optical signals and converts them back to the original electronic signal allowing for full duplex transmission. Together with the tactical fiber optic cables, the converter provides a rugged, secure, and easy deployable optical link. The serial-to-fiber media converter is available in both single and multi-channel configurations and supports both point-to-point and multi-point configurations.

This report studies the global Serial to Fiber Media Converters production, demand, key

manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Serial to Fiber Media Converters, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Serial to Fiber Media Converters that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Serial to Fiber Media Converters total production and demand, 2018-2029, (K Units)

Global Serial to Fiber Media Converters total production value, 2018-2029, (USD Million)

Global Serial to Fiber Media Converters production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Serial to Fiber Media Converters consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Serial to Fiber Media Converters domestic production, consumption, key domestic manufacturers and share

Global Serial to Fiber Media Converters production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Serial to Fiber Media Converters production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Serial to Fiber Media Converters production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global Serial to Fiber Media Converters market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Moxa, Antaira Technologies, Perle, Advantech, Phoenix Contact, Lantronix, Dymec, RLH Industries and Kyland

Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Serial to Fiber Media Converters market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Serial to Fiber Media Converters Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Serial to Fiber Media Converters Market, Segmentation by Type

Single-mode

Multi-mode

Global Serial to Fiber Media Converters Market, Segmentation by Application

IP Security

Factory Automation

Transportation Systems

Electric Utility

Others

Companies Profiled:

Moxa

Antaira Technologies

Perle

Advantech

Phoenix Contact

Lantronix

Dymec

RLH Industries

Kyland Technology

Planet Technology

Korenix Technology

Red Lion Controls (Spectris)

Omnitron Systems

Black Box

Fiberplex Technologies (Patton)

Versitron

Siemens

Weidmüller

SerialComm

CommFront

CTC Union

Helicomm

UOTEK

Key Questions Answered

1. How big is the global Serial to Fiber Media Converters market?
2. What is the demand of the global Serial to Fiber Media Converters market?
3. What is the year over year growth of the global Serial to Fiber Media Converters market?
4. What is the production and production value of the global Serial to Fiber Media Converters market?
5. Who are the key producers in the global Serial to Fiber Media Converters market?

6. What are the growth factors driving the market demand?

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