

Global Arrayed Waveguide Grating (AWG) Market Research Report 2022 Professional Edition

<https://marketpublishers.com/r/G2EB50A0B79BEN.html>

Date: January 2022

Pages: 120

Price: US\$ 2,890.00 (Single User License)

ID: G2EB50A0B79BEN

Abstracts

The global Arrayed Waveguide Grating (AWG) market was valued at 100.24 Million USD in 2021 and will grow with a CAGR of 12.09% from 2021 to 2027, based on HNY Research newly published report.

The prime objective of this report is to provide the insights on the post COVID-19 impact which will help market players in this field evaluate their business approaches. Also, this report covers market segmentation by major market vendors, types, applications/end users and geography(North America, East Asia, Europe, South Asia, Southeast Asia, Middle East, Africa, Oceania, South America).

Arrayed waveguide gratings (AWG) are commonly used as optical (de)multiplexers in wavelength division multiplexed (WDM) systems. These devices are capable of multiplexing many wavelengths into a single optical fiber, thereby increasing the transmission capacity of optical networks considerably. The devices are based on a fundamental principle of optics that light waves of different wavelengths do not interfere linearly with each other. This means that, if each channel in an optical communication network makes use of light of a slightly different wavelength, then the light from many of these channels can be carried by a single optical fiber with negligible crosstalk between the channels. The AWGs are used to multiplex channels of several wavelengths onto a single optical fiber at the transmission end and are also used as demultiplexers to retrieve individual channels of different wavelengths at the receiving end of an optical communication network. NTT and NeoPhotonics are the Top 2 manufacturer in the global AWG market. They took up 69.40% of the total revenue in 2019. Asia-Pacific is the largest consumption market of AWG, accounting for 47.91% of sales market share in 2019, in terms of volume.

By Market Vendors:

NTT

NeoPhotonics

Accelink

Broadex Technologies

Agilecom

Enablence

ShiJia photons

Wuhan Yilut Technology

POINTek

Shenzhen Gigalight

HYC

Flyin Optronics

DK Photonics Technology

By Types:

Thermal AWG

Athermal AWG

By Applications:

Internet Backbone Networks

Enterprise Networks

Key Indicators Analysed

Market Players & Competitor Analysis: The report covers the key players of the industry including Company Profile, Product Specifications, Production Capacity/Sales, Revenue, Price and Gross Margin 2016-2027 & Sales with a thorough analysis of the market's competitive landscape and detailed information on vendors and comprehensive details of factors that will challenge the growth of major market vendors.

Global and Regional Market Analysis: The report includes Global & Regional market status and outlook 2016-2027. Further the report provides break down details about each region & countries covered in the report. Identifying its sales, sales volume & revenue forecast. With detailed analysis by types and applications.

Market Trends: Market key trends which include Increased Competition and Continuous Innovations.

Opportunities and Drivers: Identifying the Growing Demands and New Technology

Porters Five Force Analysis: The report provides with the state of competition in industry depending on five basic forces: threat of new entrants, bargaining power of suppliers, bargaining power of buyers, threat of substitute products or services, and existing industry rivalry.

Key Reasons to Purchase

To gain insightful analyses of the market and have comprehensive understanding of the global market and its commercial landscape.

Assess the production processes, major issues, and solutions to mitigate the development risk.

To understand the most affecting driving and restraining forces in the market and its impact in the global market.

Learn about the market strategies that are being adopted by leading respective organizations.

To understand the future outlook and prospects for the market.

Besides the standard structure reports, we also provide custom research according to specific requirements

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Key Data Information from Primary Sources

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Athermal AWG Features

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