

Arrayed Waveguide Grating (AWG) Market - Global Outlook and Forecast 2022-2028

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Abstracts

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.

This report contains market size and forecasts of Arrayed Waveguide Grating (AWG) in global, including the following market information:

Global Arrayed Waveguide Grating (AWG) Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Arrayed Waveguide Grating (AWG) Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Arrayed Waveguide Grating (AWG) companies in 2021 (%)

The global Arrayed Waveguide Grating (AWG) market was valued at 131.4 million in

2021 and is projected to reach US\$ 281.2 million by 2028, at a CAGR of 11.5% during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Thermal AWG Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Arrayed Waveguide Grating (AWG) include NTT, NeoPhotonics, Accelink, Broadex Technologies, Agilecom, Enablence, ShiJia photons, Wuhan Yilut Technology and POINTek, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Arrayed Waveguide Grating (AWG) manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Arrayed Waveguide Grating (AWG) Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Arrayed Waveguide Grating (AWG) Market Segment Percentages, by Type, 2021 (%)

Thermal AWG

Athermal AWG

Global Arrayed Waveguide Grating (AWG) Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Arrayed Waveguide Grating (AWG) Market Segment Percentages, by Application, 2021 (%)

Internet Backbone Networks

Enterprise Networks

Others

Global Arrayed Waveguide Grating (AWG) Market, By Region and Country, 2017-2022,
2023-2028 (\$ Millions) & (K Units)

Global Arrayed Waveguide Grating (AWG) Market Segment Percentages, By Region
and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Arrayed Waveguide Grating (AWG) revenues in global market,

2017-2022 (Estimated), (\$ millions)

Key companies Arrayed Waveguide Grating (AWG) revenues share in global market, 2021 (%)

Key companies Arrayed Waveguide Grating (AWG) sales in global market, 2017-2022 (Estimated), (K Units)

Key companies Arrayed Waveguide Grating (AWG) sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

NTT

NeoPhotonics

Accelink

Broadex Technologies

Agilecom

Enablence

ShiJia photons

Wuhan Yilut Technology

POINTek

Shenzhen Gigalight

HYC

Flyin Optonics

DK Photonics Technology

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