

Global Arrayed Waveguide Grating (AWG) Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Arrayed Waveguide Grating (AWG) market size is expected to reach \$ 352.1 million by 2029, rising at a market growth of 7.4% CAGR during the forecast period (2023-2029).

NTT and NeoPhotonics are the Top 2 manufacturer in the global AWG market. They took up 55% of the total revenue.

Asia-Pacific is the largest market of AWG, accounting for 45% of sales market share.

In terms of product type, Athermal AWG is the largest segment, occupied for a share of about 60%, and in terms of application, Internet Backbone Networks has a share about 50 percent.

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 studies the global Arrayed Waveguide Grating (AWG) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Arrayed Waveguide Grating (AWG), 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 Arrayed Waveguide Grating (AWG) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Arrayed Waveguide Grating (AWG) total production and demand, 2018-2029, (K Units)

Global Arrayed Waveguide Grating (AWG) total production value, 2018-2029, (USD Million)

Global Arrayed Waveguide Grating (AWG) production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Arrayed Waveguide Grating (AWG) consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Arrayed Waveguide Grating (AWG) domestic production, consumption, key domestic manufacturers and share

Global Arrayed Waveguide Grating (AWG) production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Arrayed Waveguide Grating (AWG) production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Arrayed Waveguide Grating (AWG) production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Arrayed Waveguide Grating (AWG) 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 NTT, NeoPhotonics, Accelink, Broadex Technologies, Agilecom, Enablence, PPI, ShiJia photons and Wuhan Yilut Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Arrayed Waveguide Grating (AWG) market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (USD/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 Arrayed Waveguide Grating (AWG) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Arrayed Waveguide Grating (AWG) Market, Segmentation by Type

Thermal AWG

Athermal AWG

Global Arrayed Waveguide Grating (AWG) Market, Segmentation by Application

Internet Backbone Networks

Enterprise Networks

Others

Companies Profiled:

NTT

NeoPhotonics

Accelink

Broadex Technologies

Agilecom

Enablence

PPI

ShiJia photons

Wuhan Yilut Technology

POINTek

Shenzhen Gigalight

HYC

Flyin Optronics

DK Photonics Technology

Teosco Technologies

GEZHI Photonics

Key Questions Answered

1. How big is the global Arrayed Waveguide Grating (AWG) market?
2. What is the demand of the global Arrayed Waveguide Grating (AWG) market?
3. What is the year over year growth of the global Arrayed Waveguide Grating (AWG) market?
4. What is the production and production value of the global Arrayed Waveguide Grating (AWG) market?
5. Who are the key producers in the global Arrayed Waveguide Grating (AWG) market?

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