

# Global Geiger Mode APD Market Growth 2023-2029

<https://marketpublishers.com/r/GB11C45AC3B9EN.html>

Date: June 2023

Pages: 107

Price: US\$ 3,660.00 (Single User License)

ID: GB11C45AC3B9EN

## Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

The global Geiger Mode APD market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for Geiger Mode APD is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for Geiger Mode APD is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for Geiger Mode APD is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key Geiger Mode APD players cover Hamamatsu, STMicroelectronics, Onsemi, Laser Components, Micro Photon Devices, Sony Semiconductor, Canon, SK Hynix and Enlitech, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

The Geiger mode APD, also known as a single photon avalanche diode, specifically refers to an avalanche photodiode (Avalanche Photo Diode, APD) whose operating voltage is higher than the breakdown voltage, and is also called a Geiger mode SPAD. APD is a photodiode with internal gain generated by applying a reverse voltage, featuring higher signal-to-noise ratio (SNR), fast response, low dark current, and high sensitivity. The Geiger mode APD has the advantages of high avalanche gain, fast response speed, low power consumption and the time accuracy reaches the order of picoseconds.

LPI (LP Information)' newest research report, the “Geiger Mode APD Industry Forecast” looks at past sales and reviews total world Geiger Mode APD sales in 2022, providing a comprehensive analysis by region and market sector of projected Geiger Mode APD sales for 2023 through 2029. With Geiger Mode APD sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Geiger Mode APD industry.

This Insight Report provides a comprehensive analysis of the global Geiger Mode APD landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Geiger Mode APD portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Geiger Mode APD market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Geiger Mode APD and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Geiger Mode APD.

This report presents a comprehensive overview, market shares, and growth opportunities of Geiger Mode APD market by product type, application, key manufacturers and key regions and countries.

#### Market Segmentation:

##### Segmentation by type

Visible Light

Near Infrared

##### Segmentation by application

Industrial

Electronics

Automotive

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Hamamatsu

STMicroelectronics

Onsemi

Laser Components

Micro Photon Devices

Sony Semiconductor

Canon

SK Hynix

Enlitech

Advanced Compound Semiconductor

Beijing RMY Electronics

### Key Questions Addressed in this Report

What is the 10-year outlook for the global Geiger Mode APD market?

What factors are driving Geiger Mode APD market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Geiger Mode APD market opportunities vary by end market size?

How does Geiger Mode APD break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

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