

Global eFuse Market Size study, By Type (Latched Type eFuse, Auto-retry Type eFuse), By End-use (Automotive and Transportation, Aerospace and Defense, Electronics, Others) and Regional Forecasts 2022-2032

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Abstracts

Global eFuse Market is valued approximately USD 541 million in 2023 and is anticipated to grow with a healthy growth rate of more than 4.53% over the forecast period 2024-2032. eFuse, is a semiconductor device used to protect electronic circuits from overcurrent or overvoltage conditions. These fuses are often integrated into integrated circuits (ICs) or microcontrollers to provide built-in protection for sensitive components. Furthermore, rising focus on digital transformation is gaining attention towards Global eFuse Market. eFuses provide efficient and programmable overcurrent and overvoltage protection, making them ideal for safeguarding IoT devices, which are often deployed in diverse and challenging environments.

The Global eFuse Market is driven by rising demand for cloud computing and increasing production of automobiles across the world. eFuses play a crucial role in protecting the sensitive electronic components within data centers from overcurrent and overvoltage events, ensuring the reliability and uptime of critical cloud computing services. In addition, Modern vehicles are increasingly equipped with connectivity features that enable real-time data exchange, remote diagnostics, over-the-air updates, and other telematics services. These connectivity features require robust protection against electrical faults to ensure uninterrupted communication and reliable operation, driving the demand for eFuses in automotive applications. However, the high cost of eFuse and complexity of integration is going to impede the overall demand for the market during the forecast period 2024-2032.

The key regions considered for the Global eFuse market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America was the largest regional market owing to factors such as rising demand of advanced microprocessors across the region. System-on-Chip designs integrate multiple functions and components into a single semiconductor die, including microprocessors, memory, sensors, and peripheral interfaces. eFuses play a crucial role in SoC designs by providing integrated protection for the various on-chip components, simplifying system-level design, and reducing the need for external protection circuitry. Furthermore, the market in Asia Pacific, on the other hand, is expected to develop at the fastest rate over the forecast period.

Major market players included in this report are:

Analog Devices, Inc
Diodes Incorporated
Microsemi Corporation
On Semiconductor Corporation
Qorvo, Inc
STMicroelectronics NV
Texas Instruments Incorporated
Toshiba Electronic Devices & Storage Corporation
Monolithic Power Systems, Inc
Microchip Technology Incorporated

The detailed segments and sub-segments of the market are explained below:

By Type

Latched Type eFuse
Auto-retry Type eFuse

By End-use

Automotive and Transportation
Aerospace and Defense
Electronics
Others

By Region:

North America
U.S.
Canada
Europe

UK
Germany
France
Spain
Italy
ROE
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Middle East & Africa
Saudi Arabia
South Africa
RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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