

# **Global Digital Isolator Market Size study, By Data Rate (Up To 25 Mbps, 25 – 75 Mbps, Above 75 Mbps), By Isolation Type (Capacitive Coupling, Magnetic Coupling, Giant Magneto resistive), By Application (Gate Drivers, DC/DC Converters, Analog to Digital Converters, USD and Other Communication Ports, CAN Isolation, Others), By Vertical (Industrial, Healthcare, Automotive, Telecommunications, Aerospace and Defense, Energy and Power, Others), and Regional Forecasts 2022-2028**

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## **Abstracts**

Global Digital Isolator Market is valued approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2028.

Digital isolators are incorporated devices that are primarily used to transfer digital communication and isolate digital signals in an isolation barrier. These isolators are an aid in the transportation of digitized versions of analog signals. The increasing demand for noise-free electronic and electrical circuits, rising adoption of renewable energy sources, surging deployment of digital isolators in industrial motor-drive applications are the chief driving factors for the market growth. In addition, surging demand for EV automotives, coupled with the increasing application of digital isolators in healthcare organizations and agencies are the further bolstering the market demand across the globe. For instance, according to Statista, in 2019, there were nearly 2.17 million units of plug-in electric light vehicles were sold around the world, and the amount increases

and reached 6.7 million units in 2021. Accordingly, the increasing adoption of electric vehicles is propelling the digital isolators, thus, in turn, augments the market growth worldwide. However, higher costs of digital isolators than optocouplers and the inability of digital isolators to pass low-frequency signals without modulators hampers the growth of the market over the forecast period of 2022-2028. Also, the rising number of safety standards for industrial automation and increasing use of isolators in harsh environment applications is anticipated to act as a catalyzing factor for the market demand during the forecast period.

The key regions considered for the global Digital Isolator Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. Asia-Pacific is the leading region across the world in terms of market share owing to the thriving growth of the electrical device and equipment industry and high acceptance of novel technologies. Whereas, Asia-Pacific is anticipated to exhibit the highest CAGR over the forecast period 2022-2028. Factors such as the presence of a large number of EV manufacturers, as well as the growth of the emerging economies such as China, India, and South Korea, would create lucrative growth prospects for the Digital Isolator Market across the Asia-Pacific region.

Major market players included in this report are:

Texas Instruments Incorporated

Silicon Laboratories, Inc.

Analog Devices, Inc.

Broadcom, Inc.

Infineon Technologies AG

Rohm Semiconductor

Maxim Integrated

Vicor Corporation

Halo Electronics, Inc.

Celsa Group

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key

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

By Data Rate:

Up To 25 Mbps

25 – 75 Mbps

Above 75 Mbps

By Isolation Type:

Capacitive Coupling

Magnetic Coupling

Giant Magneto resistive

By Application:

Gate Drivers

DC/DC Converters

Analog to Digital Converters

USD and Other Communication Ports

CAN Isolation

Others

By Vertical:

Industrial

Healthcare

Automotive

Telecommunications

Aerospace and Defense

Energy and Power

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  
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Digital Isolator Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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