

# Digital Isolator Market Report: Trends, Forecast and Competitive Analysis

<https://marketpublishers.com/r/D23B53BB7029EN.html>

Date: June 2022

Pages: 150

Price: US\$ 4,850.00 (Single User License)

ID: D23B53BB7029EN

## Abstracts

Get it in 2 weeks by ordering today

### Digital Isolator Market Trends and Forecast

The future of the global digital isolator market looks promising with opportunities in the industrial, healthcare, automotive, telecommunications, aerospace & defence, energy & power and others market. The global digital isolator market is expected to grow with a CAGR of 8% to 10% from 2021 to 2027. The major drivers for this market are increase in adoption of digital isolators as a substitute for optocouplers, growth in demand for noise-free electronics, and rise in the usage of renewable energy sources.

### Digital Isolator Market by Isolation Type, Data Rate, Channel, Application, and Vertical

### Emerging Trends in the Digital Isolator Market

Emerging trends, which have a direct impact on the dynamics of the industry, include rise in the number of safety regulations for industrial automation, increasing demand of isolated gate driver and rise in demand for reliable and sound electronic devices.

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown below. To learn the scope, benefits, companies' researched, and other details of the global digital isolator market report, please download the report brochure.

### Digital Isolator Market by Segments

## Digital Isolator Market by Segment

In this market, giant magnetoresistive is the largest market by isolation type, whereas industrial is largest segment by vertical. The study includes a forecast for the global digital isolator market by digital isolator market by isolation type, data rate, channel, application, vertical and region, as follows:

Digital Isolator Market by Isolation Type [Value (\$B) shipment analysis for 2016-2027]:

Capacitive Coupling

Magnetic Coupling

Giant Magnetoresistive

Digital Isolator Market by Data Rate [Value (\$B) shipment analysis for 2016-2027]:

Up To 25 Mbps

25 – 75 Mbps

Above 75 Mbps

Digital Isolator Market by Channel [Value (\$B) shipment analysis for 2016-2027]:

2 Channel

4 Channel

6 Channel

8 Channel

Others

Digital Isolator Market by Application [Value (\$B) shipment analysis for 2016-2027]:

Gate Drivers

DC/DC Converters

Analog to Digital Converters

USD and Other Communication Ports

CAN Isolation

Others

Digital Isolator Market by Vertical [Value (\$B) shipment analysis for 2016-2027]:

Industrial

Healthcare

Automotive

Telecommunications

Aerospace & Defense

Energy & Power

Others

Digital Isolator Market by Region [Value (\$B) shipment analysis for 2016-2027]:

North America

Europe

Asia Pacific

The Rest of the World

List of Digital Isolator Companies

Companies in the market compete on the basis of product quality offered. Major players

in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies digital isolator companies cater to increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the digital isolator companies profiled in this report include.

Texas Instruments

Analog Devices

Infineon Technologies

Silicon Labs

Broadcom Limited

ROHM Semiconductor

Maxim Integrated

NXP Semiconductors

NVE

Vicor

Skyworks Solutions Inc.

### Digital Isolator Market Insights

Lucintel forecasts that digital isolator with giant magnetoresistive is expected to witness the highest growth over the forecast period due to the better sensitivity and accuracy and is ideal for digital circuit isolation with low emissions, low EMI susceptibility, and magnetic immunity.

Industrial segment is expected to remain the largest segment due to the device specifications such as signal level shifting, component protection, user safety, and compliance with safety regulations, and it is used to provide safety to users and

industrial equipment from ground differences and loops, noise, and voltage problems.

APAC will remain the largest region due to the presence of several major electrical device and equipment manufacturers in this region and digital isolators are widely used in gate drivers and ADC converters in this region.

## Features of the Digital Isolator Market

**Market Size Estimates:** Digital Isolator market size estimation in terms of value (\$B)

**Trend And Forecast Analysis:** Market trends (2016-2021) and forecast (2022-2027) by various segments and regions.

**Segmentation Analysis:** Digital Isolator market size by various segments, such as by isolation type, data rate, channel, application, vertical and region in terms of value (\$B)

**Regional Analysis:** Digital Isolator market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

**Growth Opportunities:** Analysis on growth opportunities in different by isolation type, data rate, channel, application, vertical and regions for the digital isolator market.

**Strategic Analysis:** This includes M&A, new product development, and competitive landscape for the Digital Isolator market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

## FAQ

**Q1. What is the Digital Isolator market size?**

**Answer:** The global digital isolator market is expected to reach an estimated \$xx billion by 2027.

**Q2. What is the growth forecast for Digital Isolator market?**

**Answer:** The digital isolator market is expected to grow with a CAGR of 8% to 10% from 2022 to 2027.

Q3. What are the major drivers influencing the growth of the Digital Isolator market?

Answer: The major drivers for this market are increase in adoption of digital isolators as a substitute for optocouplers, growth in demand for noise-free electronics, and rise in usage of renewable energy sources.

Q4. What are the major segments for Digital Isolator market?

Answer: The future of the global digital isolator market looks promising with opportunities in the industrial, healthcare, automotive, telecommunications, aerospace & defence, energy & power and others market.

Q5. What are the emerging trends in Digital Isolator market?

Answer: Emerging trends, which have a direct impact on the dynamics of the industry, include rise in the number of safety regulations for industrial automation, increasing demand of isolated gate driver and rise in demand for reliable and sound electronic devices.

Q6. Who are the key Digital Isolator companies?

Answer: Some of the key Digital Isolator companies are as follows:

Texas Instruments

Analog Devices

Infineon Technologies

Silicon Labs

Broadcom Limited

ROHM Semiconductor

Maxim Integrated

NXP Semiconductors

NVE

Vicor

Skyworks Solutions Inc.

Q7. Which Digital Isolator segment will be the largest in future?

Answer: Lucintel forecasts that giant magnetoresistive will remain the largest segment and it is expected to witness the highest growth over the forecast period due to the better sensitivity and accuracy of digital isolators based on GMR isolation technology and is ideal for digital circuit isolation with low emissions, low EMI susceptibility, and magnetic immunity.

Q8. In Digital Isolator market, which region is expected to be the largest in next 5 years?

Answer: APAC will remain the largest region due to the presence of several major electrical device and equipment manufacturers in this region and digital isolators are widely used in gate drivers and ADC converters in this region.

Q9. Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1. What are some of the most promising, high-growth opportunities for the digital isolator market by isolation type (capacitive coupling, magnetic coupling and giant magnetoresistive), data rate (up to 25 Mbps, 25-75 Mbps and above 75 Mbps), channel (2 channel, 4 channel, 6 channel, 8 channel and others), application (gate drivers, DC/DC converters, analog to digital convertors, USB to other communication ports, CAN isolation, and others), vertical (industrial, healthcare, automotive, telecommunications, aerospace & defence, energy & power and others ) and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

- Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?
- Q.5. What are the business risks and competitive threats in this market?
- Q.6. What are the emerging trends in this market and the reasons behind them?
- Q.7. What are some of the changing demands of customers in the market?
- Q.8. What are the new developments in the market? Which companies are leading these developments?
- Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?
- Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?
- Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

## Digital Isolator Market Trends and Forecast

The future of the global digital isolator market looks promising with opportunities in the industrial, healthcare, automotive, telecommunications, aerospace & defence, energy & power and others market. The global digital isolator market is expected to grow with a CAGR of 8% to 10% from 2021 to 2027. The major drivers for this market are increase in adoption of digital isolators as a substitute for optocouplers, growth in demand for noise-free electronics, and rise in the usage of renewable energy sources.

## Emerging Trends in the Digital Isolator Market

Emerging trends, which have a direct impact on the dynamics of the industry, include rise in the number of safety regulations for industrial automation, increasing demand of isolated gate driver and rise in demand for reliable and sound electronic devices.

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown below. To learn the scope, benefits, companies' researched, and other details of the global digital isolator market report, please



download the report brochure.

## Digital Isolator Market by Segment

In this market, giant magnetoresistive is the largest market by isolation type, whereas industrial is largest segment by vertical. The study includes a forecast for the global digital isolator market by digital isolator market by isolation type, data rate, channel, application, vertical and region, as follows:

Digital Isolator Market by Isolation Type [Value (\$B) shipment analysis for 2016-2027]:

Capacitive Coupling

Magnetic Coupling

Giant Magnetoresistive

Digital Isolator Market by Data Rate [Value (\$B) shipment analysis for 2016-2027]:

Up To 25 Mbps

25 – 75 Mbps

Above 75 Mbps

Digital Isolator Market by Channel [Value (\$B) shipment analysis for 2016-2027]:

2 Channel

4 Channel

6 Channel

8 Channel

Others

Digital Isolator Market by Application [Value (\$B) shipment analysis for 2016-2027]:

Gate Drivers

DC/DC Converters

Analog to Digital Converters

USD and Other Communication Ports

CAN Isolation

Others

Digital Isolator Market by Vertical [Value (\$B) shipment analysis for 2016-2027]:

Industrial

Healthcare

Automotive

Telecommunications

Aerospace & Defense

Energy & Power

Others

Digital Isolator Market by Region [Value (\$B) shipment analysis for 2016-2027]:

North America

Europe

Asia Pacific

The Rest of the World

List of Digital Isolator Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies digital isolator companies cater to increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the digital isolator companies profiled in this report include.

Texas Instruments

Analog Devices

Infineon Technologies

Silicon Labs

Broadcom Limited

ROHM Semiconductor

Maxim Integrated

NXP Semiconductors

NVE

Vicor

Skyworks Solutions Inc.

Digital Isolator Market Insights

Lucintel forecasts that digital isolator with giant magnetoresistive is expected to witness the highest growth over the forecast period due to the better sensitivity and accuracy and is ideal for digital circuit isolation with low emissions, low EMI susceptibility, and magnetic immunity.

Industrial segment is expected to remain the largest segment due to the device

specifications such as signal level shifting, component protection, user safety, and compliance with safety regulations, and it is used to provide safety to users and industrial equipment from ground differences and loops, noise, and voltage problems.

APAC will remain the largest region due to the presence of several major electrical device and equipment manufacturers in this region and digital isolators are widely used in gate drivers and ADC converters in this region.

## Features of the Digital Isolator Market

**Market Size Estimates:** Digital Isolator market size estimation in terms of value (\$B)

**Trend And Forecast Analysis:** Market trends (2016-2021) and forecast (2022-2027) by various segments and regions.

**Segmentation Analysis:** Digital Isolator market size by various segments, such as by isolation type, data rate, channel, application, vertical and region in terms of value (\$B)

**Regional Analysis:** Digital Isolator market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

**Growth Opportunities:** Analysis on growth opportunities in different by isolation type, data rate, channel, application, vertical and regions for the digital isolator market.

**Strategic Analysis:** This includes M&A, new product development, and competitive landscape for the Digital Isolator market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

## FAQ

**Q1. What is the Digital Isolator market size?**

**Answer:** The global digital isolator market is expected to reach an estimated \$xx billion by 2027.

**Q2. What is the growth forecast for Digital Isolator market?**

**Answer:** The digital isolator market is expected to grow with a CAGR of 8% to 10% from

2022 to 2027.

Q3. What are the major drivers influencing the growth of the Digital Isolator market?

Answer: The major drivers for this market are increase in adoption of digital isolators as a substitute for optocouplers, growth in demand for noise-free electronics, and rise in usage of renewable energy sources.

Q4. What are the major segments for Digital Isolator market?

Answer: The future of the global digital isolator market looks promising with opportunities in the industrial, healthcare, automotive, telecommunications, aerospace & defence, energy & power and others market.

Q5. What are the emerging trends in Digital Isolator market?

Answer: Emerging trends, which have a direct impact on the dynamics of the industry, include rise in the number of safety regulations for industrial automation, increasing demand of isolated gate driver and rise in demand for reliable and sound electronic devices.

Q6. Who are the key Digital Isolator companies?

Answer: Some of the key Digital Isolator companies are as follows:

Texas Instruments

Analog Devices

Infineon Technologies

Silicon Labs

Broadcom Limited

ROHM Semiconductor

Maxim Integrated

NXP Semiconductors

NVE

Vicor

Skyworks Solutions Inc.

Q7. Which Digital Isolator segment will be the largest in future?

Answer: Lucintel forecasts that giant magnetoresistive will remain the largest segment and it is expected to witness the highest growth over the forecast period due to the better sensitivity and accuracy of digital isolators based on GMR isolation technology and is ideal for digital circuit isolation with low emissions, low EMI susceptibility, and magnetic immunity.

Q8. In Digital Isolator market, which region is expected to be the largest in next 5 years?

Answer: APAC will remain the largest region due to the presence of several major electrical device and equipment manufacturers in this region and digital isolators are widely used in gate drivers and ADC converters in this region.

Q9. Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1. What are some of the most promising, high-growth opportunities for the digital isolator market by isolation type (capacitive coupling, magnetic coupling and giant magnetoresistive), data rate (up to 25 Mbps, 25-75 Mbps and above 75 Mbps), channel (2 channel, 4 channel, 6 channel, 8 channel and others), application (gate drivers, DC/DC converters, analog to digital convertors, USB to other communication ports, CAN isolation, and others), vertical (industrial, healthcare, automotive, telecommunications, aerospace & defence, energy & power and others ) and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

For any questions related to digital isolator market or related to digital isolator market share, digital isolator analysis, digital isolator market size, write Lucintel analyst at email: [helpdesk@lucintel.com](mailto:helpdesk@lucintel.com). We will be glad to get back to you soon.

## Contents

### **1. EXECUTIVE SUMMARY**

### **2. GLOBAL DIGITAL ISOLATOR MARKET: MARKET DYNAMICS**

2.1: Introduction, Background, and Classifications

2.2: Supply Chain

2.3: Industry Drivers and Challenges

### **3. MARKET TRENDS AND FORECAST ANALYSIS FROM 2016 TO 2027**

3.1: Macroeconomic Trends (2016-2021) and Forecast (2022-2027)

3.2: Global Digital Isolator Market Trends (2016-2021) and Forecast (2022-2027)

3.3: Global Digital Isolator Market by Isolation Type

3.3.1: Capacitive Coupling

3.3.2: Magnetic Coupling

3.3.3: Giant Magnetoresistive

3.4: Global Digital Isolator Market by Data Rate

3.4.1: Up To 25 Mbps

3.4.2: 25-75 Mbps

3.4.3: Above 75 Mbps

3.5: Global Digital Isolator Market by Channel

3.5.1: 2 Channel

3.5.2: 4 Channel

3.5.3: 6 Channel

3.5.4: 8 Channel

3.5.5: Others

3.6: Global Digital Isolator Market by Application

3.6.1: Gate Drivers

3.6.2: DC/DC Converters

3.6.3: Analog To Digital Convertors

3.6.4: USB To Other Communication Ports

3.6.5: CAN Isolation

3.6.6: Others

3.5: Global Digital Isolator Market by Vertical

3.5.1: Industrial

3.5.2: Healthcare

3.5.3: Automotive



- 3.5.4: Telecommunications
- 3.5.5: Aerospace & Defence
- 3.5.6: Energy & Power
- 3.5.7: Others

## **4. MARKET TRENDS AND FORECAST ANALYSIS BY REGION FROM 2016-2027**

- 4.1: Global Digital Isolator Market by Region
- 4.2: North American Digital Isolator Market
  - 4.2.1: North American Digital Isolator Market by Isolation Type
  - 4.2.2: North American Digital Isolator Market by Vertical
- 4.3: European Digital Isolator Market
  - 4.3.1: European Digital Isolator Market by Isolation Type
  - 4.3.2: European Digital Isolator Market by Vertical
- 4.4: APAC Digital Isolator Market
  - 4.4.1: APAC Digital Isolator Market by Isolation Type
  - 4.4.2: APAC Digital Isolator Market by Vertical
- 4.5: ROW Digital Isolator Market
  - 4.5.1: ROW Digital Isolator Market by Isolation Type
  - 4.5.2: ROW Digital Isolator Market by Vertical

## **5. COMPETITOR ANALYSIS**

- 5.1: Product Portfolio Analysis
- 5.2: Operational Integration
- 5.3: Porter's Five Forces Analysis

## **6. GROWTH OPPORTUNITIES AND STRATEGIC ANALYSIS**

- 6.1: Growth Opportunity Analysis
  - 6.1.1: Growth Opportunities for the Global Digital Isolator Market by Isolation Type
  - 6.1.2: Growth Opportunities for the Global Digital Isolator Market by Data Rate
  - 6.1.3: Growth Opportunities for the Global Digital Isolator Market by Channel
  - 6.1.4: Growth Opportunities for the Global Digital Isolator Market by Application
  - 6.1.5: Growth Opportunities for the Global Digital Isolator Market by Vertical
  - 6.1.6: Growth Opportunities for the Global Digital Isolator Market by Region
- 6.2: Emerging Trends in the Global Digital Isolator Market
- 6.3: Strategic Analysis
  - 6.3.1: New Product Development

6.3.2: Capacity Expansion of the Global Digital Isolator Market

6.3.3: Mergers, Acquisitions, and Joint Ventures in the Global Digital Isolator Market

6.3.4: Certification and Licensing

## **7. COMPANY PROFILES OF LEADING PLAYERS**

7.1: Texas Instruments

7.2: Analog Devices

7.3: Infineon Technologies

7.4: Silicon Labs

7.5: Broadcom Limited

7.6: ROHM Semiconductor

7.7: Maxim Integrated

7.8: NXP Semiconductors

7.9: NVE

7.10: Vicor

7.11: Skyworks Solutions Inc.

## I would like to order

Product name: Digital Isolator Market Report: Trends, Forecast and Competitive Analysis

Product link: <https://marketpublishers.com/r/D23B53BB7029EN.html>

Price: US\$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/D23B53BB7029EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970