

# 2017-2025 World Digital Isolators Market Research Report (by Product Type, End-User/Application and Regions/Countries)

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## Abstracts

### SUMMARY

A digital isolator is used to get a digital signal across a galvanic isolation boundary. They serve a similar purpose to optocouplers, except optocouplers are far too slow and error prone for high speed (1MHz+) digital signals. They also use a different coupling technology, usually transformer or RF link as opposed to an optical link. While digital isolators only work with digital signals, they are frequently used to transfer digitised versions of analogue signals. The resulting signal chain will have better bandwidth, accuracy and linearity in comparison to an optocoupler based system. Optocouplers have inherent non-linearity and high unit to unit variations (+- 50% of your signal), so the circuit will need to be immune to these variations or each unit individually calibrated. Multiplexing digital channels across a single digital isolator path can be achieved very easily, which in turn simplifies the circuit and results in a net cost saving in spite of using a more expensive isolation technology. In short, digital isolators are superior to optocouplers in almost every regard.

This report includes market status and forecast of global and major regions, with introduction of vendors, regions, product types and end industries; and this report counts product types and end industries in global and major regions.

The report includes as follows:

The report provides current data, historical overview and future forecast.

The report includes an in-depth analysis of the Global market for Digital Isolators, covering Global total and major region markets.

The data of 2017-2025 are included. All-inclusive market are given through data on sales, consumption, and prices (Global total and by major regions). The report provides introduction of leading Global manufacturers. Digital Isolators market prospects to 2025 are included (in sales, consumption and price).

Market Segment as follows:

By Region / Countries

North America (U.S., Canada, Mexico)

Europe (Germany, U.K., France, Italy, Russia, Spain etc)

Asia-Pacific (China, India, Japan, Southeast Asia etc)

South America (Brazil, Argentina etc)

Middle East & Africa (Saudi Arabia, South Africa etc)

By Type

Capacitive Coupling

Optical coupling

Giant Magnetoresistive GMR

Magnetic Coupling

By End-User / Application

Energy Generation & Distribution

Industrial

Telecom

Others

## By Company

Silicon Labs

ADI

TI

Broadcom Corporation

Maxim Integrated

Vicor

Rhopoint Components

NVE

ROHM

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