

# Global Digital Isolators Market Research Report 2012-2024

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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 a superior to optocouplers in almost every regard.

The global Digital Isolators market will reach xxx Million USD in 2019 with CAGR xx% 2019-2024. The objective of report is to define, segment, and project the market on the basis of product type, application, and region, and to describe the content about the factors influencing market dynamics, policy, economic, technology and market entry etc.

Based on products type, the report describes major products type share of regional market. Products mentioned as follows:

Capacitive Coupling

Optical coupling

Giant Magnetoresistive GMR

Magnetic Coupling

Leading vendors in the market are included based on profile, business performance etc.  
Vendors mentioned as follows:

Silicon Labs

ADI

TI

Broadcom Corporation

Maxim Integrated

Vicor

Rhopoint Components

NVE

ROHM

Based on Application, the report describes major application share of regional market.  
Application mentioned as follows:

Energy Generation & Distribution

Industrial

Telecom

Others

Based on region, the report describes major regions market by products and application. Regions mentioned as follows:

Asia-Pacific

North America

Europe

South America

Middle East & Africa

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