

## Global Digital Isolators Market

Market Research Report | 2025-12-12 | 156 pages | BCC Research

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### Report description:

#### Description

#### Report Scope

This report provides an overview of the global digital isolators market and analyzes the market trends. It provides the global revenue (in \$ millions) and volume (in million units) for segments and regions, considering 2024 as the base year, along with estimated market data for 2025 through the end of 2030. The market is segmented by power range, device type, sales channel and region. The geographical segments covered are North America (the U.S., Canada and Mexico), Europe (the U.K., Germany, France and the Rest of Europe), Asia-Pacific (China, Japan, South Korea and the Rest of Asia-Pacific) and the Rest of the World (South America and the Middle East and Africa). The report also focuses on emerging technologies and the vendor landscape. It concludes with profiles of the major companies in the market.

#### Report Includes

- 98 data tables and 45 additional tables
- Overview and an analysis of the global market for digital isolator devices and technologies
- Analyses of global market trends, with market revenue data for 2024, estimates for 2025, forecast for 2026 and 2028, and projected CAGRs through 2030
- Estimates of the market size and revenue growth prospects, along with a corresponding market share analysis by technology, data speed, level of isolation, end-use industry and region
- Facts and figures about the global market dynamics, technological advancements, emerging applications, innovations, prospects, regulations, and the impact of macroeconomic factors
- Insights derived from the Porter's Five Forces model, as well as global supply chain analyses
- An analysis of patents, emerging trends and new developments in the industry
- Analysis of the industry structure, including companies' market shares and rankings, strategic initiatives, M&A activity and a venture funding outlook
- Overview of sustainability trends and ESG developments, with emphasis on consumer attitudes, and the ESG risk ratings scores

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and practices of leading companies

- Profiles of the leading companies, including Texas Instruments Inc., Analog Devices Inc., Skyworks Solutions Inc., Infineon Technologies AG and Broadcom

## Executive Summary

### Summary:

The global market for digital isolators is projected to grow from \$2.9 billion in 2025 to reach \$4.3 billion by the end of 2030, at a compound annual growth rate (CAGR) of 8.4% from 2025 to 2030.

Digital isolators are semiconductor devices that enable safe communication between circuits operating at different voltage levels by providing galvanic isolation using complementary metal-oxidesemiconductor (CMOS) based technology. Various factors drive the digital isolators market. However, there are many obstacles to overcome for the more widespread adoption of digital isolators. These barriers include a higher cost compared to traditional optocouplers, which are predominantly used in the isolation market due to their long history. Digital isolators are developed with advanced circuit designs, leading-edge materials, and more lifetime testing and characterization beyond the standard optocoupler testing process, all of which contribute to increased manufacturing costs and component pricing.

## Market Dynamics and Growth Factors

The global digital isolators market was valued at \$REDACTED in 2024 and is expected to reach \$REDACTED by the end of 2030. The market is expected to grow at a compound annual growth rate (CAGR) of REDACTED%, driven by a surge in EV adoption, global rise in solar and smart grid infrastructure and the proliferation of medical devices worldwide.

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Company Profiles

3PEAK INC.

ANALOG DEVICES INC.

BROADCOM

INFINEON TECHNOLOGIES AG

LITTELFUSE INC.

MONOLITHIC POWER SYSTEMS INC.

NVE CORP.

RENESAS ELECTRONICS CORP.

SEMICONDUCTOR COMPONENTS INDUSTRIES LLC.

SKYWORKS SOLUTIONS INC.

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