

Global Digital Isolators Market

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

AVAILABLE LICENSES:

- Single User License \$4650.00
- 2-5 Users License \$5580.00
- Site License \$6696.00
- Enterprise License \$8035.00

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

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

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.

Table of Contents:

Table of Contents

Chapter 1 Executive Summary

Market Outlook

Scope of Report

Market Summary

Market Dynamics and Growth Factors

Emerging Technologies

Segmental Analysis

Regional Insights and Emerging Markets

Conclusion

Chapter 2 Market Overview

Current Market Scenario

Future Expectations

Macroeconomic Factors Analysis

Interest Rate and Inflation-Related Risks

Risks Related to Currency Fluctuations

Impact of U.S. Tariffs on the Digital Isolators Market

Porter's Five Forces Analysis

Potential for New Entrants

Bargaining Power of Suppliers

Bargaining Power of Buyers

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Ability of Customers to Find Substitutes
Competition in the Industry
Value Chain Analysis
Raw Materials and Components Supply
IC Design and Development
Semiconductor Manufacturing and Fabrication
Assembly, Test and Packaging
Distribution and Channel Partners
End-User Applications and Integration
Chapter 3 Regulatory Landscape
Overview
Chapter 4 Market Dynamics
Key Takeaways
Market Drivers
Rising Demand for EVs Worldwide
Growth in Solar and Smart Grid Infrastructure Globally
Proliferation of Medical Devices
Market Restraints
Higher Costs Compared to Established Optocoupler Solutions
Performance Trade-Offs and Design Complexity
Market Opportunities
Growing Demand for Digital Isolators in Harsh Industrial Motor Drive Applications
GMR Technology for Digital Isolators
Chapter 5 Emerging Trends and Technologies
Overview
Emerging Trends
Automotive-driven Innovation
Multi-Channel Integration and Technology Platform Diversification
Emerging Technologies
EMI Optimization and Ultra-High CMTI
Flexible Multi-Channel Architectures
Patent Analysis
Geographical Patterns
Key Findings
Chapter 6 Market Segmentation Analysis
Segmentation Breakdown
Market Breakdown by Industry
Key Takeaways
Industrial and Instrumentation
Automotive
Energy and Power
Healthcare
Consumer Electronics
Others
Market Breakdown by Technology
Key Takeaways
Capacitive

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Magnetic
GMR
Market Breakdown by Data Speed
Key Takeaways
11 to 100 Mbps
101 to 150 Mbps
Up to 10 Mbps
Above 150 Mbps
Market Breakdown by Level of Isolation
Key Takeaways
Basic
Reinforced
Functional
Geographic Breakdown
Market Breakdown by Region
Key Takeaways
Asia-Pacific
North America
Europe
Rest of the World (RoW)
Chapter 7 Competitive Intelligence
Key Takeaways
Market Ecosystem Analysis
Analysis of Key Companies
Strategic Analysis
Chapter 8 Sustainability in the Digital Isolators Industry: ESG Perspective
Key Takeaways
ESG Performance Analysis
Environmental Performance
Social Performance
Governance Performance
Current Status of ESG in the Digital Isolators Market
Concluding Remarks from BCC Research
Chapter 9 Appendix
Methodology
Abbreviations
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.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

STMICROELECTRONICS
SUZHOU NANOCHIP MICROELECTRONICS CO. LTD.
TEXAS INSTRUMENTS INC.
VICOR CORP.
WURTH ELEKTRONIK EISOS GMBH & CO. KG

Global Digital Isolators Market

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

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$4650.00
	2-5 Users License	\$5580.00
	Site License	\$6696.00
	Enterprise License	\$8035.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-02-07"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com



Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com
www.scotts-international.com