

Global CAN FD IC Market Growth 2026-2032

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Abstracts

The global CAN FD IC market size is predicted to grow from US\$ 1615 million in 2025 to US\$ 3385 million in 2032; it is expected to grow at a CAGR of 11.2% from 2026 to 2032.

A CAN FD IC is an integrated circuit that implements the CAN FD (Flexible Data-rate) protocol, enabling high-speed and reliable communication in automotive and industrial networks. It allows data transmission with higher bandwidth than classic CAN by supporting faster data rates during the data phase, while maintaining compatibility with traditional CAN systems. In 2025, global CAN FD IC production reached approximately 892.23 M units, with an average global market price of around US\$ 1.85 per unit. Annual production capacity is 1033 M Units. Gross Profit Margin 62%. The CAN FD IC industry chain is highly concentrated and technology-driven. Upstream consists of semiconductor material suppliers, wafer fabrication foundries, and analog/mixed-signal IP providers. Midstream is dominated by a small number of global IC designers such as NXP, Infineon, Texas Instruments, and Renesas, which integrate CAN FD controllers and transceivers into automotive-grade chips. Downstream applications are mainly automotive OEMs, Tier-1 suppliers, and industrial automation companies, where CAN FD ICs are embedded in ECUs, domain controllers, and sensor networks to enable reliable in-vehicle communication. CAN FD IC is a mature but steadily evolving segment driven by automotive electrification and architecture upgrades. While unit prices are relatively low, the product is strategically critical because it directly determines communication reliability inside vehicles. The long-term opportunity is not in price expansion but in volume growth and integration into more complex domain-based and zonal architectures, where demand per vehicle continues to increase.

United States market for CAN FD IC is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for CAN FD IC is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for CAN FD IC is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key CAN FD IC players cover Nxp Semiconductors, Texas Instruments, Infineon Technologies Ag, Robert Bosch Gmbh, Stmicroelectronics Nv, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "CAN FD IC Industry Forecast" looks at past sales and reviews total world CAN FD IC sales in 2025, providing a comprehensive analysis by region and market sector of projected CAN FD IC sales for 2026 through 2032. With CAN FD IC sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world CAN FD IC industry.

This Insight Report provides a comprehensive analysis of the global CAN FD IC landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on CAN FD IC portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global CAN FD IC market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for CAN FD IC and breaks down the forecast by Functional Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global CAN FD IC.

This report presents a comprehensive overview, market shares, and growth opportunities of CAN FD IC market by product type, application, key manufacturers and key regions and countries.

Segmentation by Functional Type:

CAN FD Controller IC

CAN FD Transceiver IC

Integrated CAN FD SoC

Segmentation by Data Rate Level:

Standard CAN FD IC(

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global CAN FD IC Annual Sales 2021-2032
 - 2.1.2 World Current & Future Analysis for CAN FD IC by Geographic Region, 2021, 2025 & 2032
 - 2.1.3 World Current & Future Analysis for CAN FD IC by Country/Region, 2021, 2025 & 2032
- 2.2 CAN FD IC Segment by Functional Type
 - 2.2.1 CAN FD Controller IC
 - 2.2.2 CAN FD Transceiver IC
 - 2.2.3 Integrated CAN FD SoC
 - 2.2.4 CAN FD IC Sales by Functional Type
 - 2.2.4.1 Global CAN FD IC Sales Market Share by Functional Type (2021-2026)
 - 2.2.4.2 Global CAN FD IC Revenue and Market Share by Functional Type (2021-2026)
 - 2.2.4.3 Global CAN FD IC Sale Price by Functional Type (2021-2026)
- 2.3 CAN FD IC Segment by Data Rate Level
 - 2.3.1 Standard CAN FD IC(

List Of Tables

LIST OF TABLES

Table 1. CAN FD IC Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. CAN FD IC Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of CAN FD Controller IC

Table 4. Major Players of CAN FD Transceiver IC

Table 5. Major Players of Integrated CAN FD SoC

Table 6. Global CAN FD IC Sales by Functional Type (2021-2026) & (Million Units)

Table 7. Global CAN FD IC Sales Market Share by Functional Type (2021-2026)

Table 8. Global CAN FD IC Revenue by Functional Type (2021-2026) & (\$ million)

Table 9. Global CAN FD IC Revenue Market Share by Functional Type (2021-2026)

Table 10. Global CAN FD IC Sale Price by Functional Type (2021-2026) & (US\$/Unit)

Table 11. Major Players of Standard CAN FD IC(

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of CAN FD IC
- Figure 2. CAN FD IC Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global CAN FD IC Sales Growth Rate 2021-2032 (Million Units)
- Figure 7. Global CAN FD IC Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. CAN FD IC Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. CAN FD IC Sales Market Share by Country/Region (2025)
- Figure 10. CAN FD IC Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of CAN FD Controller IC
- Figure 12. Product Picture of CAN FD Transceiver IC
- Figure 13. Product Picture of Integrated CAN FD SoC
- Figure 14. Global CAN FD IC Sales Market Share by Functional Type in 2026
- Figure 15. Global CAN FD IC Revenue Market Share by Functional Type (2021-2026)
- Figure 16. Product Picture of Standard CAN FD IC(

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