

Global CAN FD IC Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/GCEE32D2890EEN.html>

Date: June 2026

Pages: 131

Price: US\$ 3,480.00 (Single User License)

ID: GCEE32D2890EEN

Abstracts

According to our (Global Info Research) latest study, the global CAN FD IC market size was valued at US\$ 1698 million in 2025 and is forecast to a readjusted size of US\$ 3436 million by 2032 with a CAGR of 10.5% during review period.

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.

This report is a detailed and comprehensive analysis for global CAN FD IC market. Both

quantitative and qualitative analyses are presented by manufacturers, by region & country, by Functional Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global CAN FD IC market size and forecasts, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global CAN FD IC market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global CAN FD IC market size and forecasts, by Functional Type and by Application, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global CAN FD IC market shares of main players, shipments in revenue (\$ Million), sales quantity (Million Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for CAN FD IC

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global CAN FD IC market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Nxp Semiconductors, Texas Instruments, Infineon Technologies Ag, Robert Bosch Gmbh, Stmicroelectronics Nv, Renesas Electronics

Corporation, Microchip Technology, Onsemi, Analog Devices, Rohm Co, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

CAN FD IC market is split by Functional Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Functional Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Functional Type

CAN FD Controller IC

CAN FD Transceiver IC

Integrated CAN FD SoC

Market segment by Data Rate Level

Standard CAN FD IC(

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Functional Type

1.3.1 Overview: Global CAN FD IC Consumption Value by Functional Type: 2021
Versus 2025 Versus 2032

1.3.2 CAN FD Controller IC

1.3.3 CAN FD Transceiver IC

1.3.4 Integrated CAN FD SoC

1.4 Market Analysis by Data Rate Level

1.4.1 Overview: Global CAN FD IC Consumption Value by Data Rate Level: 2021
Versus 2025 Versus 2032

1.4.2 Standard CAN FD IC(

List Of Tables

LIST OF TABLES

Table 1. Global CAN FD IC Consumption Value by Functional Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global CAN FD IC Consumption Value by Data Rate Level, (USD Million), 2021 & 2025 & 2032

Table 3. Global CAN FD IC Consumption Value by ackaging & Interface Type, (USD Million), 2021 & 2025 & 2032

Table 4. Global CAN FD IC Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Nxp Semiconductors Basic Information, Manufacturing Base and Competitors

Table 6. Nxp Semiconductors Major Business

Table 7. Nxp Semiconductors CAN FD IC Product and Services

Table 8. Nxp Semiconductors CAN FD IC Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. Nxp Semiconductors Recent Developments/Updates

Table 10. Texas Instruments Basic Information, Manufacturing Base and Competitors

Table 11. Texas Instruments Major Business

Table 12. Texas Instruments CAN FD IC Product and Services

Table 13. Texas Instruments CAN FD IC Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. Texas Instruments Recent Developments/Updates

Table 15. Infineon Technologies Ag Basic Information, Manufacturing Base and Competitors

Table 16. Infineon Technologies Ag Major Business

Table 17. Infineon Technologies Ag CAN FD IC Product and Services

Table 18. Infineon Technologies Ag CAN FD IC Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. Infineon Technologies Ag Recent Developments/Updates

Table 20. Robert Bosch Gmbh Basic Information, Manufacturing Base and Competitors

Table 21. Robert Bosch Gmbh Major Business

Table 22. Robert Bosch Gmbh CAN FD IC Product and Services

Table 23. Robert Bosch Gmbh CAN FD IC Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 24. Robert Bosch Gmbh Recent Developments/Updates

Table 25. Stmicroelectronics Nv Basic Information, Manufacturing Base and Competitors

Table 26. Stmicroelectronics Nv Major Business

Table 27. Stmicroelectronics Nv CAN FD IC Product and Services

Table 28. Stmicroelectronics Nv CAN FD IC Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 29. Stmicroelectronics Nv Recent Developments/Updates

Table 30. Renesas Electronics Corporation Basic Information, Manufacturing Base and Competitors

Table 31. Renesas Electronics Corporation Major Business

Table 32. Renesas Electronics Corporation CAN FD IC Product and Services

Table 33. Renesas Electronics Corporation CAN FD IC Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 34. Renesas Electronics Corporation Recent Developments/Updates

Table 35. Microchip Technology Basic Information, Manufacturing Base and Competitors

Table 36. Microchip Technology Major Business

Table 37. Microchip Technology CAN FD IC Product and Services

Table 38. Microchip Technology CAN FD IC Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 39. Microchip Technology Recent Developments/Updates

Table 40. Onsemi Basic Information, Manufacturing Base and Competitors

Table 41. Onsemi Major Business

Table 42. Onsemi CAN FD IC Product and Services

Table 43. Onsemi CAN FD IC Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 44. Onsemi Recent Developments/Updates

Table 45. Analog Devices Basic Information, Manufacturing Base and Competitors

Table 46. Analog Devices Major Business

Table 47. Analog Devices CAN FD IC Product and Services

Table 48. Analog Devices CAN FD IC Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 49. Analog Devices Recent Developments/Updates

Table 50. Rohm Co Basic Information, Manufacturing Base and Competitors

Table 51. Rohm Co Major Business

Table 52. Rohm Co CAN FD IC Product and Services

Table 53. Rohm Co CAN FD IC Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 54. Rohm Co Recent Developments/Updates

Table 55. Nationstech Semiconductor Basic Information, Manufacturing Base and

Competitors

Table 56. Nationstech Semiconductor Major Business

Table 57. Nationstech Semiconductor CAN FD IC Product and Services

Table 58. Nationstech Semiconductor CAN FD IC Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 59. Nationstech Semiconductor Recent Developments/Updates

Table 60. Geehy Semiconductor Basic Information, Manufacturing Base and Competitors

Table 61. Geehy Semiconductor Major Business

Table 62. Geehy Semiconductor CAN FD IC Product and Services

Table 63. Geehy Semiconductor CAN FD IC Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 64. Geehy Semiconductor Recent Developments/Updates

Table 65. Will Semiconductor Basic Information, Manufacturing Base and Competitors

Table 66. Will Semiconductor Major Business

Table 67. Will Semiconductor CAN FD IC Product and Services

Table 68. Will Semiconductor CAN FD IC Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 69. Will Semiconductor Recent Developments/Updates

Table 70. Chipsea Technologies Basic Information, Manufacturing Base and Competitors

Table 71. Chipsea Technologies Major Business

Table 72. Chipsea Technologies CAN FD IC Product and Services

Table 73. Chipsea Technologies CAN FD IC Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 74. Chipsea Technologies Recent Developments/Updates

Table 75. Silan Microelectronics Basic Information, Manufacturing Base and Competitors

Table 76. Silan Microelectronics Major Business

Table 77. Silan Microelectronics CAN FD IC Product and Services

Table 78. Silan Microelectronics CAN FD IC Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Silan Microelectronics Recent Developments/Updates

Table 80. Toshiba Basic Information, Manufacturing Base and Competitors

Table 81. Toshiba Major Business

Table 82. Toshiba CAN FD IC Product and Services

Table 83. Toshiba CAN FD IC Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 84. Toshiba Recent Developments/Updates
Table 85. Panasonic Basic Information, Manufacturing Base and Competitors
Table 86. Panasonic Major Business
Table 87. Panasonic CAN FD IC Product and Services
Table 88. Panasonic CAN FD IC Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 89. Panasonic Recent Developments/Updates
Table 90. Murata Basic Information, Manufacturing Base and Competitors
Table 91. Murata Major Business
Table 92. Murata CAN FD IC Product and Services
Table 93. Murata CAN FD IC Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 94. Murata Recent Developments/Updates
Table 95. Global CAN FD IC Sales Quantity by Manufacturer (2021-2026) & (Million Units)
Table 96. Global CAN FD IC Revenue by Manufacturer (2021-2026) & (USD Million)
Table 97. Global CAN FD IC Average Price by Manufacturer (2021-2026) & (US\$/Unit)
Table 98. Market Position of Manufacturers in CAN FD IC, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025
Table 99. Head Office and CAN FD IC Production Site of Key Manufacturer
Table 100. CAN FD IC Market: Company Product Type Footprint
Table 101. CAN FD IC Market: Company Product Application Footprint
Table 102. CAN FD IC New Market Entrants and Barriers to Market Entry
Table 103. CAN FD IC Mergers, Acquisition, Agreements, and Collaborations
Table 104. Global CAN FD IC Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR
Table 105. Global CAN FD IC Sales Quantity by Region (2021-2026) & (Million Units)
Table 106. Global CAN FD IC Sales Quantity by Region (2027-2032) & (Million Units)
Table 107. Global CAN FD IC Consumption Value by Region (2021-2026) & (USD Million)
Table 108. Global CAN FD IC Consumption Value by Region (2027-2032) & (USD Million)
Table 109. Global CAN FD IC Average Price by Region (2021-2026) & (US\$/Unit)
Table 110. Global CAN FD IC Average Price by Region (2027-2032) & (US\$/Unit)
Table 111. Global CAN FD IC Sales Quantity by Functional Type (2021-2026) & (Million Units)
Table 112. Global CAN FD IC Sales Quantity by Functional Type (2027-2032) & (Million Units)
Table 113. Global CAN FD IC Consumption Value by Functional Type (2021-2026) &

(USD Million)

Table 114. Global CAN FD IC Consumption Value by Functional Type (2027-2032) & (USD Million)

Table 115. Global CAN FD IC Average Price by Functional Type (2021-2026) & (US\$/Unit)

Table 116. Global CAN FD IC Average Price by Functional Type (2027-2032) & (US\$/Unit)

Table 117. Global CAN FD IC Sales Quantity by Application (2021-2026) & (Million Units)

Table 118. Global CAN FD IC Sales Quantity by Application (2027-2032) & (Million Units)

Table 119. Global CAN FD IC Consumption Value by Application (2021-2026) & (USD Million)

Table 120. Global CAN FD IC Consumption Value by Application (2027-2032) & (USD Million)

Table 121. Global CAN FD IC Average Price by Application (2021-2026) & (US\$/Unit)

Table 122. Global CAN FD IC Average Price by Application (2027-2032) & (US\$/Unit)

Table 123. North America CAN FD IC Sales Quantity by Functional Type (2021-2026) & (Million Units)

Table 124. North America CAN FD IC Sales Quantity by Functional Type (2027-2032) & (Million Units)

Table 125. North America CAN FD IC Sales Quantity by Application (2021-2026) & (Million Units)

Table 126. North America CAN FD IC Sales Quantity by Application (2027-2032) & (Million Units)

Table 127. North America CAN FD IC Sales Quantity by Country (2021-2026) & (Million Units)

Table 128. North America CAN FD IC Sales Quantity by Country (2027-2032) & (Million Units)

Table 129. North America CAN FD IC Consumption Value by Country (2021-2026) & (USD Million)

Table 130. North America CAN FD IC Consumption Value by Country (2027-2032) & (USD Million)

Table 131. Europe CAN FD IC Sales Quantity by Functional Type (2021-2026) & (Million Units)

Table 132. Europe CAN FD IC Sales Quantity by Functional Type (2027-2032) & (Million Units)

Table 133. Europe CAN FD IC Sales Quantity by Application (2021-2026) & (Million Units)

Table 134. Europe CAN FD IC Sales Quantity by Application (2027-2032) & (Million Units)

Table 135. Europe CAN FD IC Sales Quantity by Country (2021-2026) & (Million Units)

Table 136. Europe CAN FD IC Sales Quantity by Country (2027-2032) & (Million Units)

Table 137. Europe CAN FD IC Consumption Value by Country (2021-2026) & (USD Million)

Table 138. Europe CAN FD IC Consumption Value by Country (2027-2032) & (USD Million)

Table 139. Asia-Pacific CAN FD IC Sales Quantity by Functional Type (2021-2026) & (Million Units)

Table 140. Asia-Pacific CAN FD IC Sales Quantity by Functional Type (2027-2032) & (Million Units)

Table 141. Asia-Pacific CAN FD IC Sales Quantity by Application (2021-2026) & (Million Units)

Table 142. Asia-Pacific CAN FD IC Sales Quantity by Application (2027-2032) & (Million Units)

Table 143. Asia-Pacific CAN FD IC Sales Quantity by Region (2021-2026) & (Million Units)

Table 144. Asia-Pacific CAN FD IC Sales Quantity by Region (2027-2032) & (Million Units)

Table 145. Asia-Pacific CAN FD IC Consumption Value by Region (2021-2026) & (USD Million)

Table 146. Asia-Pacific CAN FD IC Consumption Value by Region (2027-2032) & (USD Million)

Table 147. South America CAN FD IC Sales Quantity by Functional Type (2021-2026) & (Million Units)

Table 148. South America CAN FD IC Sales Quantity by Functional Type (2027-2032) & (Million Units)

Table 149. South America CAN FD IC Sales Quantity by Application (2021-2026) & (Million Units)

Table 150. South America CAN FD IC Sales Quantity by Application (2027-2032) & (Million Units)

Table 151. South America CAN FD IC Sales Quantity by Country (2021-2026) & (Million Units)

Table 152. South America CAN FD IC Sales Quantity by Country (2027-2032) & (Million Units)

Table 153. South America CAN FD IC Consumption Value by Country (2021-2026) & (USD Million)

Table 154. South America CAN FD IC Consumption Value by Country (2027-2032) &

(USD Million)

Table 155. Middle East & Africa CAN FD IC Sales Quantity by Functional Type (2021-2026) & (Million Units)

Table 156. Middle East & Africa CAN FD IC Sales Quantity by Functional Type (2027-2032) & (Million Units)

Table 157. Middle East & Africa CAN FD IC Sales Quantity by Application (2021-2026) & (Million Units)

Table 158. Middle East & Africa CAN FD IC Sales Quantity by Application (2027-2032) & (Million Units)

Table 159. Middle East & Africa CAN FD IC Sales Quantity by Country (2021-2026) & (Million Units)

Table 160. Middle East & Africa CAN FD IC Sales Quantity by Country (2027-2032) & (Million Units)

Table 161. Middle East & Africa CAN FD IC Consumption Value by Country (2021-2026) & (USD Million)

Table 162. Middle East & Africa CAN FD IC Consumption Value by Country (2027-2032) & (USD Million)

Table 163. CAN FD IC Raw Material

Table 164. Key Manufacturers of CAN FD IC Raw Materials

Table 165. CAN FD IC Typical Distributors

Table 166. CAN FD IC Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. CAN FD IC Picture

Figure 2. Global CAN FD IC Revenue by Functional Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global CAN FD IC Revenue Market Share by Functional Type in 2025

Figure 4. CAN FD Controller IC Examples

Figure 5. CAN FD Transceiver IC Examples

Figure 6. Integrated CAN FD SoC Examples

Figure 7. Global CAN FD IC Revenue by Data Rate Level, (USD Million), 2021 & 2025 & 2032

Figure 8. Global CAN FD IC Revenue Market Share by Data Rate Level in 2025

Figure 9. Standard CAN FD IC(

I would like to order

Product name: Global CAN FD IC Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: <https://marketpublishers.com/r/GCEE32D2890EEN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GCEE32D2890EEN.html>