

# **Global Special Purpose A to D Converter Market Size study & Forecast, by Resolution (8-bit, 10-bit, 12-bit, 14-bit, 16-bit, Others), by Application (Consumer Electronics, IT and Telecommunication, Automotive, Others) and Regional Analysis, 2022-2029**

<https://marketpublishers.com/r/GBCB85755DFDEN.html>

Date: May 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GBCB85755DFDEN

## **Abstracts**

Global Special Purpose A to D Converter Market is valued approximately USD 403.8 million in 2021 and is anticipated to grow with a healthy growth rate of more than 6.5% over the forecast period 2022-2029. Special Purpose A to D Converter or Analog-to-Digital Converters (ADCs) perform a wide range of functions such as dual-slope conversion, voltage-to-frequency conversion, frequency-to-voltage conversion, and 3?-digit Binary-Coded Decimal (BCD) and binary conversion. In addition, these devices can be combined with other functions such as driving Liquid Crystal Displays (LCDs) and Light Emitting Diodes (LEDs). Moreover, special purpose A to D convertor is used in digital oscilloscopes, which used in the automotive industry for assessment of potential problems in ignition systems, solenoids, sensors, actuators, and communication data streams among others. The increasing application of data converters in wireless communications and growing digitization across the industries are key factors driving the market growth.

The growing digitization across the industries is contributing towards the growth of the Global Special Purpose A to D Converter market. For instance – as of 2022, the global spending on digital transformation (DX) is estimated at USD 1.6 trillion, and as per projection by 2026, global digital transformation spending would reach to USD 3.4 trillion. Also, favorable government initiatives to promote digitization of work processes and increasing usage of A to D convertor in healthcare industry would create lucrative growth prospectus for the market over the forecast period. However, the high cost of Special Purpose A to D Converter stifles market growth throughout the forecast period

of 2022-2029.

The key regions considered for the Global Special Purpose A to D Converter Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America dominated the market in terms of revenue, owing to the dominance of leading market players and rising adoption of analog to digital data conversion for consumer electronics and IT & telecom applications in the region. Whereas Asia Pacific is expected to grow with a highest CAGR during the forecast period, owing to factors such as increasing investment for deployment of 5G technologies as well as rising penetration of leading market players in the region.

Major market player included in this report are:

Microchip Technology Inc.

Cirrus Logic, Inc.

NXP Semiconductor

Renesas Electronics

Adafruit Industries

NTE Electronics, Inc.

Texas Instruments Incorporated

Analog Devices, Inc

Power Integrations Inc.

Infineon Technologies AG

Recent Developments in the Market:

In August 2021, Analog Devices, Inc. has acquired Maxim Integrated Products, Inc. This acquisition is intended to strengthen ADI's position as a high-performance analog semiconductor company.

Global Special Purpose A to D Converter Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Resolution, Application, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

#### By Resolution

8-bit

10-bit

12-bit

14-bit

16-bit

Others

#### By Application

Consumer Electronics

IT and Telecommunication

Automotive

Others

#### By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia  
South Korea  
RoAPAC  
Latin America  
Brazil  
Mexico  
RoLA  
Rest of the World

## Contents

### **CHAPTER 1. EXECUTIVE SUMMARY**

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Million)
  - 1.2.1. Special Purpose A to D Converter Market, by Region, 2019-2029 (USD Million)
  - 1.2.2. Special Purpose A to D Converter Market, by Resolution, 2019-2029 (USD Million)
  - 1.2.3. Special Purpose A to D Converter Market, by Application, 2019-2029 (USD Million)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### **CHAPTER 2. GLOBAL SPECIAL PURPOSE A TO D CONVERTER MARKET DEFINITION AND SCOPE**

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### **CHAPTER 3. GLOBAL SPECIAL PURPOSE A TO D CONVERTER MARKET DYNAMICS**

- 3.1. Special Purpose A to D Converter Market Impact Analysis (2019-2029)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Increasing application of data converters in wireless communications
    - 3.1.1.2. Growing digitization across the industries
  - 3.1.2. Market Challenges
    - 3.1.2.1. High Cost associated with A to D Converter
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Favourable government initiatives to promote digitization of work processes
    - 3.1.3.2. Increasing usage of A to D convertor in healthcare industry

### **CHAPTER 4. GLOBAL SPECIAL PURPOSE A TO D CONVERTER MARKET**

## **INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
  - 4.3.1. Political
  - 4.3.2. Economical
  - 4.3.3. Social
  - 4.3.4. Technological
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. Industry Experts Prospective
- 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT**

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

## **CHAPTER 6. GLOBAL SPECIAL PURPOSE A TO D CONVERTER MARKET, BY RESOLUTION**

- 6.1. Market Snapshot
- 6.2. Global Special Purpose A to D Converter Market by Resolution, Performance - Potential Analysis
- 6.3. Global Special Purpose A to D Converter Market Estimates & Forecasts by Resolution 2019-2029 (USD Million)
- 6.4. Special Purpose A to D Converter Market, Sub Segment Analysis
  - 6.4.1. 8-bit
  - 6.4.2. 10-bit
  - 6.4.3. 12-bit
  - 6.4.4. 14-bit
  - 6.4.5. 16-bit
  - 6.4.6. Others

## **CHAPTER 7. GLOBAL SPECIAL PURPOSE A TO D CONVERTER MARKET, BY APPLICATION**

- 7.1. Market Snapshot
- 7.2. Global Special Purpose A to D Converter Market by Application, Performance - Potential Analysis
- 7.3. Global Special Purpose A to D Converter Market Estimates & Forecasts by Application 2019-2029 (USD Million)
- 7.4. Special Purpose A to D Converter Market, Sub Segment Analysis
  - 7.4.1. Consumer Electronics
  - 7.4.2. IT and Telecommunication
  - 7.4.3. Automotive
  - 7.4.4. Others

## **CHAPTER 8. GLOBAL SPECIAL PURPOSE A TO D CONVERTER MARKET, REGIONAL ANALYSIS**

- 8.1. Special Purpose A to D Converter Market, Regional Market Snapshot
- 8.2. North America Special Purpose A to D Converter Market
  - 8.2.1. U.S. Special Purpose A to D Converter Market
    - 8.2.1.1. Resolution breakdown estimates & forecasts, 2019-2029
    - 8.2.1.2. Application breakdown estimates & forecasts, 2019-2029
  - 8.2.2. Canada Special Purpose A to D Converter Market
- 8.3. Europe Special Purpose A to D Converter Market Snapshot
  - 8.3.1. U.K. Special Purpose A to D Converter Market
  - 8.3.2. Germany Special Purpose A to D Converter Market
  - 8.3.3. France Special Purpose A to D Converter Market
  - 8.3.4. Spain Special Purpose A to D Converter Market
  - 8.3.5. Italy Special Purpose A to D Converter Market
  - 8.3.6. Rest of Europe Special Purpose A to D Converter Market
- 8.4. Asia-Pacific Special Purpose A to D Converter Market Snapshot
  - 8.4.1. China Special Purpose A to D Converter Market
  - 8.4.2. India Special Purpose A to D Converter Market
  - 8.4.3. Japan Special Purpose A to D Converter Market
  - 8.4.4. Australia Special Purpose A to D Converter Market
  - 8.4.5. South Korea Special Purpose A to D Converter Market
  - 8.4.6. Rest of Asia Pacific Special Purpose A to D Converter Market
- 8.5. Latin America Special Purpose A to D Converter Market Snapshot

- 8.5.1. Brazil Special Purpose A to D Converter Market
- 8.5.2. Mexico Special Purpose A to D Converter Market
- 8.5.3. Rest of Latin America Special Purpose A to D Converter Market
- 8.6. Rest of The World Special Purpose A to D Converter Market

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

- 9.1. Top Market Strategies
- 9.2. Company Profiles
  - 9.2.1. Microchip Technology Inc.
    - 9.2.1.1. Key Information
    - 9.2.1.2. Overview
    - 9.2.1.3. Financial (Subject to Data Availability)
    - 9.2.1.4. Product Summary
    - 9.2.1.5. Recent Developments
  - 9.2.2. Cirrus Logic, Inc.
  - 9.2.3. NXP Semiconductor
  - 9.2.4. Renesas Electronics
  - 9.2.5. Adafruit Industries
  - 9.2.6. NTE Electronics, Inc.
  - 9.2.7. Texas Instruments Incorporated
  - 9.2.8. Analog Devices, Inc
  - 9.2.9. Power Integrations Inc.
  - 9.2.10. Infineon Technologies AG

## **CHAPTER 10. RESEARCH PROCESS**

- 10.1. Research Process
  - 10.1.1. Data Mining
  - 10.1.2. Analysis
  - 10.1.3. Market Estimation
  - 10.1.4. Validation
  - 10.1.5. Publishing
- 10.2. Research Attributes
- 10.3. Research Assumption



## List Of Tables

### LIST OF TABLES

TABLE 1. Global Special Purpose A to D Converter Market, report scope

TABLE 2. Global Special Purpose A to D Converter Market estimates & forecasts by Region 2019-2029 (USD Million)

TABLE 3. Global Special Purpose A to D Converter Market estimates & forecasts by Resolution 2019-2029 (USD Million)

TABLE 4. Global Special Purpose A to D Converter Market estimates & forecasts by Application 2019-2029 (USD Million)

TABLE 5. Global Special Purpose A to D Converter Market by segment, estimates & forecasts, 2019-2029 (USD Million)

TABLE 6. Global Special Purpose A to D Converter Market by region, estimates & forecasts, 2019-2029 (USD Million)

TABLE 7. Global Special Purpose A to D Converter Market by segment, estimates & forecasts, 2019-2029 (USD Million)

TABLE 8. Global Special Purpose A to D Converter Market by region, estimates & forecasts, 2019-2029 (USD Million)

TABLE 9. Global Special Purpose A to D Converter Market by segment, estimates & forecasts, 2019-2029 (USD Million)

TABLE 10. Global Special Purpose A to D Converter Market by region, estimates & forecasts, 2019-2029 (USD Million)

TABLE 11. Global Special Purpose A to D Converter Market by segment, estimates & forecasts, 2019-2029 (USD Million)

TABLE 12. Global Special Purpose A to D Converter Market by region, estimates & forecasts, 2019-2029 (USD Million)

TABLE 13. Global Special Purpose A to D Converter Market by segment, estimates & forecasts, 2019-2029 (USD Million)

TABLE 14. Global Special Purpose A to D Converter Market by region, estimates & forecasts, 2019-2029 (USD Million)

TABLE 15. U.S. Special Purpose A to D Converter Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 16. U.S. Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 17. U.S. Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 18. Canada Special Purpose A to D Converter Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 19. Canada Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 20. Canada Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 21. UK Special Purpose A to D Converter Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 22. UK Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 23. UK Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 24. Germany Special Purpose A to D Converter Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 25. Germany Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 26. Germany Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 27. France Special Purpose A to D Converter Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 28. France Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 29. France Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 30. Italy Special Purpose A to D Converter Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 31. Italy Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 32. Italy Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 33. Spain Special Purpose A to D Converter Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 34. Spain Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 35. Spain Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 36. RoE Special Purpose A to D Converter Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 37. RoE Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 38. RoE Special Purpose A to D Converter Market estimates & forecasts by

segment 2019-2029 (USD Million)

TABLE 39. China Special Purpose A to D Converter Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 40. China Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 41. China Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 42. India Special Purpose A to D Converter Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 43. India Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 44. India Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 45. Japan Special Purpose A to D Converter Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 46. Japan Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 47. Japan Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 48. South Korea Special Purpose A to D Converter Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 49. South Korea Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 50. South Korea Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 51. Australia Special Purpose A to D Converter Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 52. Australia Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 53. Australia Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 54. RoAPAC Special Purpose A to D Converter Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 55. RoAPAC Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 56. RoAPAC Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 57. Brazil Special Purpose A to D Converter Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 58. Brazil Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 59. Brazil Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 60. Mexico Special Purpose A to D Converter Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 61. Mexico Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 62. Mexico Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 63. RoLA Special Purpose A to D Converter Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 64. RoLA Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 65. RoLA Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 66. Row Special Purpose A to D Converter Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 67. Row Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 68. Row Special Purpose A to D Converter Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 69. List of secondary sources, used in the study of global Special Purpose A to D Converter Market

TABLE 70. List of primary sources, used in the study of global Special Purpose A to D Converter Market

TABLE 71. Years considered for the study

TABLE 72. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Special Purpose A to D Converter Market, research methodology
  - FIG 2. Global Special Purpose A to D Converter Market, Market estimation techniques
  - FIG 3. Global Market size estimates & forecast methods
  - FIG 4. Global Special Purpose A to D Converter Market, key trends 2021
  - FIG 5. Global Special Purpose A to D Converter Market, growth prospects 2022-2029
  - FIG 6. Global Special Purpose A to D Converter Market, porters 5 force model
  - FIG 7. Global Special Purpose A to D Converter Market, pest analysis
  - FIG 8. Global Special Purpose A to D Converter Market, value chain analysis
  - FIG 9. Global Special Purpose A to D Converter Market by segment, 2019 & 2029 (USD Million)
  - FIG 10. Global Special Purpose A to D Converter Market by segment, 2019 & 2029 (USD Million)
  - FIG 11. Global Special Purpose A to D Converter Market by segment, 2019 & 2029 (USD Million)
  - FIG 12. Global Special Purpose A to D Converter Market by segment, 2019 & 2029 (USD Million)
  - FIG 13. Global Special Purpose A to D Converter Market by segment, 2019 & 2029 (USD Million)
  - FIG 14. Global Special Purpose A to D Converter Market, regional snapshot 2019 & 2029
  - FIG 15. North America Special Purpose A to D Converter Market 2019 & 2029 (USD Million)
  - FIG 16. Europe Special Purpose A to D Converter Market 2019 & 2029 (USD Million)
  - FIG 17. Asia pacific Special Purpose A to D Converter Market 2019 & 2029 (USD Million)
  - FIG 18. Latin America Special Purpose A to D Converter Market 2019 & 2029 (USD Million)
  - FIG 19. Global Special Purpose A to D Converter Market, company Market share analysis (2021)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## I would like to order

Product name: Global Special Purpose A to D Converter Market Size study & Forecast, by Resolution (8-bit, 10-bit, 12-bit, 14-bit, 16-bit, Others), by Application (Consumer Electronics, IT and Telecommunication, Automotive, Others) and Regional Analysis, 2022-2029

Product link: <https://marketpublishers.com/r/GBCB85755DFDEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GBCB85755DFDEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970