

Asia Pacific Analog to Digital Converter Market Forecast to 2030 - Regional Analysis - by Type (Integrating Analog to Digital Converters, Delta-Sigma Analog to Digital Converters, Successive Approximation Analog to Digital Converters, Ramp Analog to Digital Converters, and Others), Resolution (8-Bit, 10-Bit, 12-Bit, 14-Bit, 16-Bit, and Others), and Application (Industrial, Consumer Electronics, Automotive, Healthcare, Telecommunication, and Others)

<https://marketpublishers.com/r/AD316D50BAE5EN.html>

Date: May 2024

Pages: 127

Price: US\$ 3,550.00 (Single User License)

ID: AD316D50BAE5EN

Abstracts

The Asia Pacific analog to digital converter market was valued at US\$ 1,336.97 million in 2022 and is expected to reach US\$ 2,328.08 million by 2030; it is estimated to register a CAGR of 7.2% from 2022 to 2030.

Adoption of Digitization of Work Processes by Government in Emerging Economies Boosts Asia Pacific Analog to Digital Converter Market

Governments recognize the importance of digital transformation to streamline their operations, enhance efficiency, and improve service delivery. One of the key aspects of digitization is the conversion of analog information into a digital format, which requires the use of analog to digital. These devices play a crucial role in capturing analog signals and converting them into digital data that can be easily stored, processed, and analyzed. As governments in emerging economies embark on their digitization journeys, the demand for analog to digital is expected to upsurge in the coming years.

The digitization process entails converting information into a digital format, enabling its storage, manipulation, and processing to achieve desired outcomes. It involves

automating work processes to meet customer expectations by streamlining task completion. Governments across different nations are actively promoting the digitization of their operations, particularly in emerging economies. Singapore government has introduced a grant program that offers up to 50% funding for eligible projects, with a maximum cap of US\$ 1 million, to facilitate the implementation of automation initiatives and drive scalability and project rollouts. Therefore, adoption of digitization in work processes by governments in emerging economies would present a significant opportunity for the Asia Pacific analog to digital converter market during the forecast period.

Asia Pacific Analog to Digital Converter Market Overview

The Asia Pacific analog to digital converter market is segmented into India, China, Japan, South Korea, Australia, and the Rest of Asia Pacific. In countries such as Thailand, Hong Kong, Vietnam, Singapore, Malaysia, Taiwan, and Cambodia, the value of exports of goods and services is over 50% of the GDP. The region has a growing economy, which is leading to the growth of infrastructure, manufacturing, technology, and various other sectors. Several economies across Asia Pacific are aggressively pursuing digital resolutions such as smart cities, autonomous vehicles, and IoT in a bid to become global powers.

The rise in government initiatives to boost domestic production output also plays a crucial role in propelling the electronic industry in different countries. For example, according to the Ministry of Electronics & IT, in March 2023, Indian electronics manufacturing is expected to reach US\$ 300 billion by 2025-2026. The government's strategic steps and initiatives favor the progress of the electronics industry. Under India's National Policy on Electronics 2019 (NPE 2019), special schemes are introduced for large-scale electronics manufacturing. Such initiative drives the demand for semiconductors required for the production of electronics, leading to the Asia Pacific analog to digital converter market growth in the region.

Asia Pacific is on track when it comes to the deployment of 5G. Asian countries are developing new strategies and are ready to deploy the same. The region has witnessed several pilot demonstrations related to 5G. Various telecom operators have taken initiatives to propel the demand for 5G. The percentage of 5G trials conducted in Asia Pacific nearly account for half of the world trials. Telecom operators such as South Korea-based mobile players SK Telecom, KT, and LG Uplus; China Mobile and China Unicom; and NTT Docomo in Japan are involved in the testing of 5G. In December 2021, NTT DOCOMO, INC. and NEC Corporation (NEC) succeeded in interoperability testing for 5G standalone (SA) using a 5G base station baseband unit (5G CU/DU) conforming to O-RAN open interface specifications and radio units (RUs) of different vendors. Thus, with respect to 5G, in 2019, Texas Instruments launched an innovative ultra-high-speed ADC. The new ADC would assist the engineers in accomplishing high

measurement accuracy for the 5G testing and radar applications. Besides the use of an A/D converter in 5G, it has applications in digital audio workstations, pulse-code modulation, sound recording, microcontrollers, TV tuner cards, digital storage oscilloscopes, radar systems, temperature sensors, and digital imaging systems. Greater use of ADC in the applications mentioned above would positively impact the overall growth of the Asia Pacific analog to digital converter market in Asia Pacific. Asia Pacific Analog to Digital Converter Market Revenue and Forecast to 2030 (US\$ Million)

Asia Pacific Analog to Digital Converter Market Segmentation

The Asia Pacific analog to digital converter market is categorized into type, resolution, application, and country.

Based on type, the Asia Pacific analog to digital converter market is segmented into integrating ADC, delta- sigma ADC, ramp ADC, successive approximation ADC, and others. The successive approximation ADC segment held the largest market share in 2022.

In terms of resolution, the Asia Pacific analog to digital converter market is categorized into 8-bit, 10-bit, 12-bit, 14-bit, 16-bit, and others. The 12-bit segment held the largest market share in 2022.

By application, the Asia Pacific analog to digital converter market is segmented into industrial, consumer electronics, automotive, healthcare, telecommunication, and others. The telecommunication segment held a larger market share in 2022.

By country, the Asia Pacific analog to digital converter market is segmented into Australia, China, India, Japan, South Korea, and the Rest of Asia Pacific. China dominated the Asia Pacific analog to digital converter market share in 2022.

Analog Devices Inc; Asahi Kasei Corp; Cirrus Logic, Inc.; Microchip Technology Inc; Renesas Electronics Corp; ROHM Co Ltd; Semiconductor Components Industries, LLC (On semiconductor); STMicroelectronics NV; Teledyne Technologies Inc; and Texas Instruments Inc are among the leading companies operating in the Asia Pacific analog to digital converter market.

Contents

1. INTRODUCTION

- 1.1 The Insight Partners Research Report Guidance
- 1.2 Market Segmentation

2. EXECUTIVE SUMMARY

- 2.1 Key Insights
- 2.2 Market Attractiveness

3. RESEARCH METHODOLOGY

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

4. ASIA PACIFIC ANALOG TO DIGITAL CONVERTER MARKET LANDSCAPE

- 4.1 Overview
- 4.2 Ecosystem Analysis
 - 4.2.1 List of Vendors in the Value Chain:

5. ASIA PACIFIC ANALOG TO DIGITAL CONVERTER MARKET - KEY INDUSTRY DYNAMICS

- 5.1 Drivers
 - 5.1.1 Increasing Demand for Advanced Data Acquisition Systems
 - 5.1.2 Rising Demand for High-Resolution Images in Scientific and Medical Applications
 - 5.1.3 Rising Demand for Test & Measurement (T&M) Solutions by End Users
- 5.2 Restraint
 - 5.2.1 Complex Design of ADC
- 5.3 Opportunities
 - 5.3.1 Rising Developments in Automotive Industry
 - 5.3.2 Adoption of Digitization of Work Processes by Government in Emerging Economies
- 5.4 Future Trend
 - 5.4.1 Growth of 5G in Developing Economies

5.5 Impact of Drivers and Restraints:

6. ANALOG TO DIGITAL CONVERTER MARKET - ASIA PACIFIC MARKET ANALYSIS

6.1 Asia Pacific Analog to Digital Converter Market Overview

6.2 Asia Pacific Analog to Digital Converter Market Revenue (US\$ Million), 2022 - 2030

6.3 Asia Pacific Analog to Digital Converter Market Forecast and Analysis

7. ASIA PACIFIC ANALOG TO DIGITAL CONVERTER MARKET ANALYSIS - TYPE

7.1 Integrating ADC

7.1.1 Overview

7.1.2 Integrating ADC Market Revenue and Forecasts to 2030 (US\$ Million)

7.2 Delta- Sigma ADC

7.2.1 Overview

7.2.2 Delta- Sigma ADC Market Revenue and Forecasts to 2030 (US\$ Million)

7.3 Ramp ADC

7.3.1 Overview

7.3.2 Ramp ADC Market Revenue and Forecasts to 2030 (US\$ Million)

7.4 Successive Approximation ADC

7.4.1 Overview

7.4.2 Successive Approximation ADC Market Revenue and Forecasts to 2030 (US\$ Million)

7.5 Others

7.5.1 Overview

7.5.2 Others Market Revenue and Forecasts to 2030 (US\$ Million)

8. ASIA PACIFIC ANALOG TO DIGITAL CONVERTER MARKET ANALYSIS - RESOLUTION

8.1 8-Bit

8.1.1 Overview

8.1.2 8-Bit Market Revenue and Forecasts to 2030 (US\$ Million)

8.2 10-Bit

8.2.1 Overview

8.2.2 10-Bit Market Revenue and Forecasts to 2030 (US\$ Million)

8.3 12-Bit

8.3.1 Overview

8.3.2 12-Bit Market Revenue and Forecasts to 2030 (US\$ Million)

8.4 14-Bit

8.4.1 Overview

8.4.2 14-Bit Market Revenue and Forecasts to 2030 (US\$ Million)

8.5 16-Bit

8.5.1 Overview

8.5.2 16-Bit Market Revenue and Forecasts to 2030 (US\$ Million)

8.6 Others

8.6.1 Overview

8.6.2 Others Market Revenue and Forecasts to 2030 (US\$ Million)

9. ASIA PACIFIC ANALOG TO DIGITAL CONVERTER MARKET ANALYSIS - APPLICATION

9.1 Industrial

9.1.1 Overview

9.1.2 Industrial Market Revenue and Forecasts to 2030 (US\$ Million)

9.2 Consumer Electronics

9.2.1 Overview

9.2.2 Consumer Electronics Market Revenue and Forecasts to 2030 (US\$ Million)

9.3 Automotive

9.3.1 Overview

9.3.2 Automotive Market Revenue and Forecasts to 2030 (US\$ Million)

9.4 Healthcare

9.4.1 Overview

9.4.2 Healthcare Market Revenue and Forecasts to 2030 (US\$ Million)

9.5 Telecommunication

9.5.1 Overview

9.5.2 Telecommunication Market Revenue and Forecasts to 2030 (US\$ Million)

9.6 Others

9.6.1 Overview

9.6.2 Others Market Revenue and Forecasts to 2030 (US\$ Million)

10. ASIA PACIFIC ANALOG TO DIGITAL CONVERTER MARKET - COUNTRY ANALYSIS

10.1 Overview

10.1.1 Asia Pacific Analog to Digital Converter Market Breakdown by Countries

10.1.1.1 Australia: Asia Pacific Analog to Digital Converter Market Revenue and

Forecasts to 2030 (US\$ Mn)

10.1.1.1.1 Australia: Asia Pacific Analog to Digital Converter Market Breakdown by Type

10.1.1.1.2 Australia: Asia Pacific Analog to Digital Converter Market Breakdown by Resolution

10.1.1.1.3 Australia: Asia Pacific Analog to Digital Converter Market Breakdown by Application

10.1.1.2 China: Asia Pacific Analog to Digital Converter Market Revenue and Forecasts to 2030 (US\$ Mn)

10.1.1.2.1 China: Asia Pacific Analog to Digital Converter Market Breakdown by Type

10.1.1.2.2 China: Asia Pacific Analog to Digital Converter Market Breakdown by Resolution

10.1.1.2.3 China: Asia Pacific Analog to Digital Converter Market Breakdown by Application

10.1.1.3 India: Asia Pacific Analog to Digital Converter Market Revenue and Forecasts to 2030 (US\$ Mn)

10.1.1.3.1 India: Asia Pacific Analog to Digital Converter Market Breakdown by Type

10.1.1.3.2 India: Asia Pacific Analog to Digital Converter Market Breakdown by Resolution

10.1.1.3.3 India: Asia Pacific Analog to Digital Converter Market Breakdown by Application

10.1.1.4 Japan: Asia Pacific Analog to Digital Converter Market Revenue and Forecasts to 2030 (US\$ Mn)

10.1.1.4.1 Japan: Asia Pacific Analog to Digital Converter Market Breakdown by Type

10.1.1.4.2 Japan: Asia Pacific Analog to Digital Converter Market Breakdown by Resolution

10.1.1.4.3 Japan: Asia Pacific Analog to Digital Converter Market Breakdown by Application

10.1.1.5 South Korea: Asia Pacific Analog to Digital Converter Market Revenue and Forecasts to 2030 (US\$ Mn)

10.1.1.5.1 South Korea: Asia Pacific Analog to Digital Converter Market Breakdown by Type

10.1.1.5.2 South Korea: Asia Pacific Analog to Digital Converter Market Breakdown by Resolution

10.1.1.5.3 South Korea: Asia Pacific Analog to Digital Converter Market Breakdown by Application

10.1.1.6 Rest of Asia Pacific: Asia Pacific Analog to Digital Converter Market

Revenue and Forecasts to 2030 (US\$ Mn)

10.1.1.6.1 Rest of Asia Pacific: Asia Pacific Analog to Digital Converter Market
Breakdown by Type

10.1.1.6.2 Rest of Asia Pacific: Asia Pacific Analog to Digital Converter Market
Breakdown by Resolution

10.1.1.6.3 Rest of Asia Pacific Analog to Digital Converter Market Breakdown by
Application

11. COMPETITIVE LANDSCAPE

11.1 Heat Map Analysis By Key Players

11.2 Company Positioning & Concentration

12. INDUSTRY LANDSCAPE

12.1 Overview

12.2 Market Initiatives

13. COMPANY PROFILES

13.1 Asahi Kasei Corp

13.1.1 Key Facts

13.1.2 Business Description

13.1.3 Products and Services

13.1.4 Financial Overview

13.1.5 SWOT Analysis

13.1.6 Key Developments

13.2 Analog Devices Inc

13.2.1 Key Facts

13.2.2 Business Description

13.2.3 Products and Services

13.2.4 Financial Overview

13.2.5 SWOT Analysis

13.2.6 Key Developments

13.3 Cirrus Logic, Inc.

13.3.1 Key Facts

13.3.2 Business Description

13.3.3 Products and Services

13.3.4 Financial Overview

- 13.3.5 SWOT Analysis
- 13.3.6 Key Developments
- 13.4 Microchip Technology Inc
 - 13.4.1 Key Facts
 - 13.4.2 Business Description
 - 13.4.3 Products and Services
 - 13.4.4 Financial Overview
 - 13.4.5 SWOT Analysis
 - 13.4.6 Key Developments
- 13.5 Semiconductor Components Industries, LLC (On semiconductor)
 - 13.5.1 Key Facts
 - 13.5.2 Business Description
 - 13.5.3 Products and Services
 - 13.5.4 Financial Overview
 - 13.5.5 SWOT Analysis
 - 13.5.6 Key Developments
- 13.6 ROHM Co Ltd
 - 13.6.1 Key Facts
 - 13.6.2 Business Description
 - 13.6.3 Products and Services
 - 13.6.4 Financial Overview
 - 13.6.5 SWOT Analysis
 - 13.6.6 Key Developments
- 13.7 Renesas Electronics Corp
 - 13.7.1 Key Facts
 - 13.7.2 Business Description
 - 13.7.3 Products and Services
 - 13.7.4 Financial Overview
 - 13.7.5 SWOT Analysis
 - 13.7.6 Key Developments
- 13.8 Texas Instruments Inc
 - 13.8.1 Key Facts
 - 13.8.2 Business Description
 - 13.8.3 Products and Services
 - 13.8.4 Financial Overview
 - 13.8.5 SWOT Analysis
 - 13.8.6 Key Developments
- 13.9 Teledyne Technologies Inc
 - 13.9.1 Key Facts

- 13.9.2 Business Description
- 13.9.3 Products and Services
- 13.9.4 Financial Overview
- 13.9.5 SWOT Analysis
- 13.9.6 Key Developments
- 13.10 STMicroelectronics NV
 - 13.10.1 Key Facts
 - 13.10.2 Business Description
 - 13.10.3 Products and Services
 - 13.10.4 Financial Overview
 - 13.10.5 SWOT Analysis
 - 13.10.6 Key Developments

14. APPENDIX

- 14.1 Word Index

I would like to order

Product name: Asia Pacific Analog to Digital Converter Market Forecast to 2030 - Regional Analysis - by Type (Integrating Analog to Digital Converters, Delta-Sigma Analog to Digital Converters, Successive Approximation Analog to Digital Converters, Ramp Analog to Digital Converters, and Others), Resolution (8-Bit, 10-Bit, 12-Bit, 14-Bit, 16-Bit, and Others), and Application (Industrial, Consumer Electronics, Automotive, Healthcare, Telecommunication, and Others)

Product link: <https://marketpublishers.com/r/AD316D50BAE5EN.html>

Price: US\$ 3,550.00 (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/AD316D50BAE5EN.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