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Application Processor Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

https://marketpublishers.com/r/A18C6CF838A3EN.html
Date: March 2023
Pages: 110
Price: US$ 2,499.00 (Single User License)
ID: A18C6CF838A3EN

Abstracts

The global application processor market size reached US$ 35.2 Billion in 2022. Looking forward, IMARC Group expects the market to reach US$ 44.3 Billion by 2028, exhibiting a growth rate (CAGR) of 3.8% during 2023-2028.

An application processor is a system on a chip (SoC) processor which is responsible for the optimal functioning of applications running in a mobile operating system. It is used in a variety of electronic devices including tablets, e-readers, smartphones, netbooks, gaming consoles and automotive navigation devices. With the support of an application processor, several applications can run in different operating systems such as Android, iOS, Windows CE or Symbian. It also has the capability of delivering specialties such as graphics processing unit, memory controller and multimedia decoding units. As the technology continues to evolve and become more data-centric, application processors have advanced from the first Intel 8086 processor to the latest 8th Gen Intel Core i7-8086K processor which can deliver up to 5 GHz.

With the growing base of tech-savvy consumers, there has been a rise in the adoption of smartphones. This has led to an escalation in the demand for smartphones with high-end graphics. As a result, an increasing number of mobile phones are being produced with advanced application processors. Samsung has recently designed a new line of the premium application processor, Exynos 9 Series 9810, especially for artificial intelligence (AI) applications in smartphones, tablets, and other media devices. Moreover, the leading application processor companies are developing and updating their processors. For instance, Qualcomm has launched Snapdragon mobile application processors which offer benefits including fast charging, long battery life, enhanced camera functionality, immersive AR and VR experiences, superior connectivity, and the

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Key Market Segmentation:
IMARC Group provides an analysis of the key trends in each sub-segment of the global application processor market report, along with forecasts at the global and regional level from 2023-2028. Our report has categorized the market based on device type and core type.

Breakup by Device Type:

Mobile Phones
PC Tablets and E-Readers
Smart Wearables
Automotive ADAS and Infotainment Devices

Breakup by Core Type:

Octa-Core
Hexa-Core
Quad-Core
Dual-Core
Single-Core

Breakup by Region:

Asia Pacific
North America
Europe
Middle East and Africa
Latin America

Competitive Landscape:
The report has also analysed the competitive landscape of the market with some of the key players being Qualcomm, Apple, Mediatek, Samsung Electronics, Xiaomi, Hisilicon Technologies, Spreadtrum Communications, NXP Semiconductors, Texas Instruments, Nvidia, Toshiba, Renesas Electronics, Ingenic Semiconductor, LG Electronics, Garmin, etc.

Key Questions Answered in This Report:

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How has the global application processor market performed so far and how will it perform in the coming years?
What are the key regional markets in the global application processor industry?
What has been the impact of COVID-19 on the global application processor industry?
What is the breakup of the market based on the device type?
What is the breakup of the market based on the core type?
What are the various stages in the value chain of the global application processor industry?
What are the key driving factors and challenges in the global application processor industry?
What is the structure of the global application processor industry and who are the key players?
What is the degree of competition in the global application processor industry?
What are the profit margins in the global application processor industry?

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Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

2.1 Objectives of the Study
2.2 Stakeholders
2.3 Data Sources
  2.3.1 Primary Sources
  2.3.2 Secondary Sources
2.4 Market Estimation
  2.4.1 Bottom-Up Approach
  2.4.2 Top-Down Approach
2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

4.1 Overview
4.2 Key Industry Trends

5 GLOBAL APPLICATION PROCESSOR MARKET

5.1 Market Overview
5.2 Market Performance
5.3 Impact of COVID-19
5.4 Market Breakup by Device Type
5.5 Market Breakup by Core Type
5.6 Market Breakup by Region
5.7 Market Forecast

6 MARKET BREAKUP BY DEVICE TYPE

6.1 Mobile Phones
  6.1.1 Market Trends
  6.1.2 Market Forecast
6.2 PC Tablets and E-Readers

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6.2.1 Market Trends
6.2.2 Market Forecast
6.3 Smart Wearables
6.3.1 Market Trends
6.3.2 Market Forecast
6.4 Automotive ADAS and Infotainment Devices
6.4.1 Market Trends
6.4.2 Market Forecast

7 MARKET BREAKUP BY CORE TYPE

7.1 Octa-Core
7.1.1 Market Trends
7.1.2 Market Forecast
7.2 Hexa-Core
7.2.1 Market Trends
7.2.2 Market Forecast
7.3 Quad-Core
7.3.1 Market Trends
7.3.2 Market Forecast
7.4 Dual-Core
7.4.1 Market Trends
7.4.2 Market Forecast
7.5 Single-Core
7.5.1 Market Trends
7.5.2 Market Forecast

8 MARKET BREAKUP BY REGION

8.1 Asia Pacific
8.1.1 Market Trends
8.1.2 Market Forecast
8.2 North America
8.2.1 Market Trends
8.2.2 Market Forecast
8.3 Europe
8.3.1 Market Trends
8.3.2 Market Forecast
8.4 Middle East and Africa

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8.4.1 Market Trends
8.4.2 Market Forecast
8.5 Latin America
8.5.1 Market Trends
8.5.2 Market Forecast

9 SWOT ANALYSIS

9.1 Overview
9.2 Strengths
9.3 Weaknesses
9.4 Opportunities
9.5 Threats

10 VALUE CHAIN ANALYSIS

11 PORTERS FIVE FORCES ANALYSIS

11.1 Overview
11.2 Bargaining Power of Buyers
11.3 Bargaining Power of Suppliers
11.4 Degree of Competition
11.5 Threat of New Entrants
11.6 Threat of Substitutes

12 PRICE ANALYSIS

13 COMPETITIVE LANDSCAPE

13.1 Market Structure
13.2 Key Players
13.3 Profiles of Key Players
13.3.1 Qualcomm
13.3.2 Apple
13.3.3 Mediatek
13.3.4 Samsung Electronics
13.3.5 Xiaomi
13.3.6 Hisilicon Technologies
13.3.7 Spreadtrum Communications

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13.3.8 NXP Semiconductors
13.3.9 Texas Instruments
13.3.10 Nvidia
13.3.11 Toshiba
13.3.12 Renesas Electronics
13.3.13 Ingenic Semiconductor
13.3.14 LG Electronics
13.3.15 Garmin

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List Of Tables

LIST OF TABLES

Table 1: Global: Application Processor Market: Key Industry Highlights, 2022 and 2028
Table 2: Global: Application Processor Market Forecast: Breakup by Device Type (in Million US$), 2023-2028
Table 3: Global: Application Processor Market Forecast: Breakup by Core Type (in Million US$), 2023-2028
Table 4: Global: Application Processor Market Forecast: Breakup by Region (in Million US$), 2023-2028
Table 5: Global: Application Processor Market Structure
Table 6: Global: Application Processor Market: Key Players

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List Of Figures

LIST OF FIGURES

Figure 1: Global: Application Processor Market: Major Drivers and Challenges
Figure 2: Global: Application Processor Market: Sales Value (in Billion US$), 2017-2022
Figure 3: Global: Application Processor Market: Breakup by Device Type (in %), 2022
Figure 4: Global: Application Processor Market: Breakup by Core Type (in %), 2022
Figure 5: Global: Application Processor Market: Breakup by Region (in %), 2022
Figure 6: Global: Application Processor Market Forecast: Sales Value (in Billion US$), 2023-2028
Figure 7: Global: Application Processor Industry: SWOT Analysis
Figure 8: Global: Application Processor Industry: Value Chain Analysis
Figure 9: Global: Application Processor Industry: Porter's Five Forces Analysis
Figure 10: Global: Application Processor (Mobile Phones) Market: Sales Value (in Million US$), 2017 & 2022
Figure 11: Global: Application Processor (Mobile Phones) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 12: Global: Application Processor (PC Tablets and E-Readers) Market: Sales Value (in Million US$), 2017 & 2022
Figure 13: Global: Application Processor (PC Tablets and E-Readers) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 14: Global: Application Processor (Smart Wearables) Market: Sales Value (in Million US$), 2017 & 2022
Figure 15: Global: Application Processor (Smart Wearables) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 16: Global: Application Processor (Automotive ADAS and Infotainment Devices) Market: Sales Value (in Million US$), 2017 & 2022
Figure 17: Global: Application Processor (Automotive ADAS and Infotainment Devices) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 18: Global: Application Processor (Octa-Core) Market: Sales Value (in Million US$), 2017 & 2022
Figure 19: Global: Application Processor (Octa-Core) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 20: Global: Application Processor (Hexa-Core) Market: Sales Value (in Million US$), 2017 & 2022
Figure 21: Global: Application Processor (Hexa-Core) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 22: Global: Application Processor (Quad-Core) Market: Sales Value (in Million

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US$), 2017 & 2022
Figure 23: Global: Application Processor (Quad-Core) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 24: Global: Application Processor (Dual-Core) Market: Sales Value (in Million US$), 2017 & 2022
Figure 25: Global: Application Processor (Dual-Core) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 26: Global: Application Processor (Single-Core) Market: Sales Value (in Million US$), 2017 & 2022
Figure 27: Global: Application Processor (Single-Core) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 28: Asia Pacific: Application Processor Market: Sales Value (in Million US$), 2017 & 2022
Figure 29: Asia Pacific: Application Processor Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 30: North America: Application Processor Market: Sales Value (in Million US$), 2017 & 2022
Figure 31: North America: Application Processor Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 32: Europe: Application Processor Market: Sales Value (in Million US$), 2017 & 2022
Figure 33: Europe: Application Processor Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 34: Middle East and Africa: Application Processor Market: Sales Value (in Million US$), 2017 & 2022
Figure 35: Middle East and Africa: Application Processor Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 36: Latin America: Application Processor Market: Sales Value (in Million US$), 2017 & 2022
Figure 37: Latin America: Application Processor Market Forecast: Sales Value (in Million US$), 2023-2028

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