

Smartphone Audio Codecs Market Report by Component (Hardware, Software), Converter Type (Analog to Digital Converter, Digital to Analog Converter), Application Type (IOS, Android), and Region 2024-2032

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Abstracts

The global smartphone audio codecs market size reached US\$ 6.8 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 9.6 Billion by 2032, exhibiting a growth rate (CAGR) of 3.8% during 2024-2032.

An audio codec, also known as a sound codec, helps in the compression and decompression of an audio data stream to minimize the bit rate and storage space. It can be both a combination of both hardware and software components. It comprises signal routing and mixing channels, microphone and line inputs, digital-to-analog converters (DAC), and analog-to-digital converters (ADC), which make audio transmissions easier. At present, some of the most widely used audio codec formats include MP3, advanced audio coding (AAC), Apple lossless audio code (ALAC), free lossless audio codec (FLAC) and windows media audio (WMA).

The boosting sales of smartphones, in confluence with the increasing mobile data traffic, represents one of the key factors driving the global smartphone audio codecs market growth. In addition to this, the growing popularity of music streaming services is escalating the demand for audio codecs around the world. Apart from this, owing to the rising adoption of Bluetooth earphones and headphones, the leading manufacturers are focusing on offering innovative and advanced features in their products, such as parametric equalizers, dynamic range control, noise cancellation and 3D sound processing, for expanding their consumer base. Furthermore, the industry recently witnessed the introduction of aptX technology that is capable of wirelessly transmitting

24-bit high-resolution audio. It aids in reducing the audio's file size before transmission without affecting its overall sound quality. These innovations are expected to create a positive outlook for the market growth in the coming years.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global smartphone audio codecs market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on component, converter type and application type.

Breakup by Component:

Hardware

Mono Codecs

Stereo Codecs

Multi-channel Codecs

Software

Non-compression

Lossy Compression

Lossless Compression

Breakup by Converter Type:

Analog to Digital Converter

Digital to Analog Converter

Breakup by Application Type:

IOS

Android

Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan

India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being ams AG, Analog Devices, Inc., Broadcom Inc., Cirrus Logic Inc., CML Microcircuits (UK) Ltd., DescriptionDialog Semiconductor PLC, Integrated Device Technology, Inc., Maxim Integrated Products, Inc., NXP Semiconductors N.V., STMicroelectronics International N.V. and Texas Instruments Incorporated.

Key Questions Answered in This Report:

How has the global smartphone audio codecs market performed so far and how will it perform in the coming years?
What are the key regional markets in the industry?
What has been the impact of COVID-19 on the global smartphone audio codecs market?
What is the breakup of the market based on the component?
What is the breakup of the hardware products based on the product type?
What is the breakup of the software products based on the compression type?
What is the breakup of the market based on the converter type?
What is the breakup of the market based on the application type?
What are the various stages in the value chain of the industry?
What are the key driving factors and challenges in the industry?

What is the structure of the global smartphone audio codecs market and who are the key players?

What is the degree of competition in the industry?

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 SMARTPHONE AUDIO CODECS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY COMPONENT

- 6.1 Hardware
 - 6.1.1 Market Trends
 - 6.1.2 Market Breakup by Type
 - 6.1.2.1 Mono Codecs
 - 6.1.2.1.1 Market Trends
 - 6.1.2.1.2 Market Forecast
 - 6.1.2.2 Stereo Codecs

- 6.1.2.2.1 Market Trends
- 6.1.2.2.2 Market Forecast
- 6.1.2.3 Multi-Channel Codecs
 - 6.1.2.3.1 Market Trends
 - 6.1.2.3.2 Market Forecast
- 6.1.3 Market Forecast
- 6.2 Software
 - 6.2.1 Market Trends
 - 6.2.2 Market Breakup by Compression Type
 - 6.2.2.1 Non-Compression
 - 6.2.2.1.1 Market Trends
 - 6.2.2.1.2 Market Forecast
 - 6.2.2.2 Lossy Compression
 - 6.2.2.2.1 Market Trends
 - 6.2.2.2.2 Market Forecast
 - 6.2.2.3 Lossless Compression
 - 6.2.2.3.1 Market Trends
 - 6.2.2.3.2 Market Forecast
 - 6.2.3 Market Forecast

7 MARKET BREAKUP BY CONVERTER TYPE

- 7.1 Analog to Digital Converter
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Digital to Analog Converter
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast

8 MARKET BREAKUP BY APPLICATION TYPE

- 8.1 IOS
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Android
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast

9 MARKET BREAKUP BY REGION

9.1 North America

9.1.1 United States

9.1.1.1 Market Trends

9.1.1.2 Market Forecast

9.1.2 Canada

9.1.2.1 Market Trends

9.1.2.2 Market Forecast

9.2 Asia Pacific

9.2.1 China

9.2.1.1 Market Trends

9.2.1.2 Market Forecast

9.2.2 Japan

9.2.2.1 Market Trends

9.2.2.2 Market Forecast

9.2.3 India

9.2.3.1 Market Trends

9.2.3.2 Market Forecast

9.2.4 South Korea

9.2.4.1 Market Trends

9.2.4.2 Market Forecast

9.2.5 Australia

9.2.5.1 Market Trends

9.2.5.2 Market Forecast

9.2.6 Indonesia

9.2.6.1 Market Trends

9.2.6.2 Market Forecast

9.2.7 Others

9.2.7.1 Market Trends

9.2.7.2 Market Forecast

9.3 Europe

9.3.1 Germany

9.3.1.1 Market Trends

9.3.1.2 Market Forecast

9.3.2 France

9.3.2.1 Market Trends

9.3.2.2 Market Forecast

9.3.3 United Kingdom

9.3.3.1 Market Trends

- 9.3.3.2 Market Forecast
- 9.3.4 Italy
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast
- 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
- 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
- 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America
 - 9.4.1 Brazil
 - 9.4.1.1 Market Trends
 - 9.4.1.2 Market Forecast
 - 9.4.2 Mexico
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
 - 9.4.3 Others
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
 - 9.5.1 Market Trends
 - 9.5.2 Market Breakup by Country
 - 9.5.3 Market Forecast

10 SWOT ANALYSIS

- 10.1 Overview
- 10.2 Strengths
- 10.3 Weaknesses
- 10.4 Opportunities
- 10.5 Threats

11 VALUE CHAIN ANALYSIS

- 11.1 Overview

- 11.2 Inbound Logistics
- 11.3 Operations
- 11.4 Outbound Logistics
- 11.5 Marketing and Sales
- 11.6 Service

12 PORTERS FIVE FORCES ANALYSIS

- 12.1 Overview
- 12.2 Bargaining Power of Buyers
- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Competition
- 12.5 Threat of New Entrants
- 12.6 Threat of Substitutes

13 PRICE INDICATORS

14 COMPETITIVE LANDSCAPE

- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players
 - 14.3.1 ams AG
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.1.3 Financials
 - 14.3.2 Analog Devices Inc.
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.2.3 Financials
 - 14.3.2.4 SWOT Analysis
 - 14.3.3 Broadcom Inc.
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.3.3 Financials
 - 14.3.3.4 SWOT Analysis
 - 14.3.4 Cirrus Logic Inc.
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio

- 14.3.4.3 Financials
- 14.3.5 CML Microcircuits (UK) Ltd .
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
- 14.3.6 DescriptionDialog Semiconductor PLC
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
 - 14.3.6.3 Financials
- 14.3.7 Integrated Device Technology Inc.
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
- 14.3.8 Maxim Integrated Products, Inc.
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
 - 14.3.8.3 Financials
 - 14.3.8.4 SWOT Analysis
- 14.3.9 NXP Semiconductors N.V.
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
 - 14.3.9.3 Financials
 - 14.3.9.4 SWOT Analysis
- 14.3.10 STMicroelectronics International N.V.
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
 - 14.3.10.3 Financials
 - 14.3.10.4 SWOT Analysis
- 14.3.11 Texas Instruments Incorporated
 - 14.3.11.1 Company Overview
 - 14.3.11.2 Product Portfolio
 - 14.3.11.3 Financials
 - 14.3.11.4 SWOT Analysis

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