

# Global Automotive Microphone Acoustics Modules Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Automotive Microphone Acoustics Modules market size was valued at US\$ 1389 million in 2025 and is forecast to a readjusted size of US\$ 2992 million by 2032 with a CAGR of 11.7% during review period.

Automotive Microphone Acoustics Modules are vehicle-grade acoustic units designed to deliver stable voice capture, noise suppression, and echo control under wide temperature ranges, vibration stress, and complex in-cabin acoustics, thereby ensuring reliable interaction performance. In 2024, production totaled 150 million units with an average price of USD 8 per unit. Typical single-line annual capacity was about 300 thousand units, and the average gross margin was around 30%. In the industry chain, the upstream relies on MEMS microphone chips and audio signal-processing ASICs, with representative suppliers including Knowles, Cirrus Logic, Qualcomm, and NXP. The midstream covers array architecture design, module assembly, acoustic calibration, firmware development, and algorithm refinement. The downstream serves commercial-vehicle and passenger-vehicle manufacturers, with typical customers including Tesla, Volkswagen, Toyota, BYD, and SAIC Motor.

The market outlook for Automotive Microphone Acoustics Modules is supported by the rapid expansion of voice-interactive functions in next-generation vehicles, driven by cabin intelligence, autonomous driving, and the shift toward multi-modal human-machine interfaces. As automakers enhance in-cabin noise control, extend far-field speech recognition, and integrate voice interaction into safety-critical scenarios, demand for high-performance acoustic modules is expected to rise steadily. Increasing adoption of domain controllers and centralized architectures also favors more advanced

microphone arrays and calibrated acoustic modules, enabling higher accuracy and reliability. Overall, this market is set for sustained growth as voice interaction becomes a core entry point of intelligent vehicle experiences.

This report is a detailed and comprehensive analysis for global Automotive Microphone Acoustics Modules market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by 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 Automotive Microphone Acoustics Modules market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Automotive Microphone Acoustics Modules market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Automotive Microphone Acoustics Modules market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Automotive Microphone Acoustics Modules market shares of main players, shipments in revenue (\$ Million), sales quantity (K 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 Automotive Microphone Acoustics Modules

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 Automotive Microphone Acoustics Modules 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 Knowles Electronics, HARMAN, Gorertek, Gettop Acoustic, Kingstate, Suzhou Sonavox Electronics, Dongguan Huaze Electronic, Hosiden, STMicroelectronics, AAC, etc.

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

## **Market Segmentation**

Automotive Microphone Acoustics Modules market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by 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 Type

ECM Microphone

MEMS Microphone

Market segment by Microphone Count

4-Mic Array Module

6-Mic Array Module

8-Mic Array Module

Others

## Market segment by Acoustic Characteristics

Omnidirectional Type

Cardioid Directional Type

Others

## Market segment by Array Architecture

Linear Array

Circular Array

Others

## Market segment by Application

Passenger Cars

Commercial Vehicle

## Major players covered

Knowles Electronics

HARMAN

Gorertek

Gettop Acoustic

Kingstate

Suzhou Sonavox Electronics

Dongguan Huaze Electronic

Hosiden

STMicroelectronics

AAC

Gevotai

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Automotive Microphone Acoustics Modules product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive Microphone Acoustics Modules, with price, sales quantity, revenue, and global market share of Automotive Microphone Acoustics Modules from 2021 to 2026.

Chapter 3, the Automotive Microphone Acoustics Modules competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive Microphone Acoustics Modules breakdown data are shown

at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Automotive Microphone Acoustics Modules market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Automotive Microphone Acoustics Modules.

Chapter 14 and 15, to describe Automotive Microphone Acoustics Modules sales channel, distributors, customers, research findings and conclusion.

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