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Global Mobile Haptic Driver IC 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 Mobile Haptic Driver IC market size was valued at US$ 819 million in 2025 and is forecast to a readjusted size of US$ 967 million by 2032 with a CAGR of 3.4% during review period.

A mobile haptic driver IC is a dedicated mixed-signal chip that converts host events, touch signals, or audio content into executable waveforms for linear resonant actuators, eccentric rotating mass motors, or piezo actuators. Its value is not merely to make a device vibrate, but to deliver tactile effects that are perceptible, repeatable, and tunable in thin, power-constrained, and consistency-critical products such as smartphones, tablets, wearables, trackpads, and gaming devices. The main technology patterns visible across official product pages include closed-loop resonance tracking, F0 detection and adaptive calibration, overdrive and braking, embedded waveform memory, DSP or audio-to-haptics processing, and multiple output architectures such as VBAT direct drive, boosted H-bridge, charge pump, and high-voltage piezo drive. Typical customers include device OEMs, ODMs, module makers, and interaction-solution providers. Commercial delivery ranges from standalone driver ICs to touch-plus-haptics integrated devices and chip-plus-algorithm-plus-tuning toolchains, while revenue models increasingly extend from component sales to waveform design, system tuning, software ecosystems, and joint definition of the end-device tactile experience.

The core shift in the mobile haptic driver IC industry is that the product has evolved from an auxiliary vibration component into a key chip that defines the interaction quality of the end device. Official product pages no longer emphasize drive current and interface alone. Instead, they foreground high-definition tactile effects, low-latency response, virtual-button replacement, audio-to-haptics, and complex waveform design, indicating

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that competition is moving from basic hardware drive capability toward the quality of interaction that users can consistently perceive. For smartphone brands, haptic feedback is now part of the system experience. It is closely tied to keyboard input, camera shutter behavior, gaming, media playback, and silent-mode notifications, and it can materially influence how refined and premium a device feels. As a result, the value of a haptic driver IC does not stem only from the price of the chip itself, but also from its ability to amplify product differentiation, user engagement, and content-linked interaction. High-end smartphones, tablets, and wearables are therefore likely to keep investing in more nuanced, programmable, and tunable haptic solutions.

From a technology perspective, the market is evolving along multiple parallel paths. On one side, LRA and ERM remain the most practical and mature mainstream actuator routes, which means that closed-loop resonance tracking, F0 detection, automatic braking, overdrive, waveform memory, and multiple trigger modes will remain essential for volume mobile products. On the other side, piezo-based and integrated architectures are creating new opportunities. High-voltage piezo drivers enable thinner structures, more localized tactile effects, and higher feedback resolution, while touch-plus-haptics integrated devices are attractive for reducing system area, lowering external component count, and improving responsiveness. Over the next few years, the market is unlikely to converge on a single winning architecture. Instead, it will segment according to device thickness, cost, power budget, tactile resolution, and software ecosystem needs, creating layered product matrices that range from mid-range mass-market devices to flagship phones, from watches to trackpads, and from basic alert vibration to content-grade HD Haptics.

From an industry standpoint, the external environment for mobile haptic driver ICs is broadly positive. Global semiconductor policies continue to reinforce local supply-chain resilience, security, and advanced design capability, which benefits mixed-signal and human-interface devices including haptic drivers. At the same time, device brands are reducing mechanical buttons, improving water resistance and thinness, and extending differentiation from visible display specifications to tactile system feedback, creating steady and upgradeable demand for this category. More importantly, official pages already show that these devices are expanding beyond smartphones into tablets, wearables, gaming controllers, AR/VR/XR, smart surfaces, and PC trackpads, which means that the same underlying driver technologies can be reused across a much broader device ecosystem. For suppliers, the real opportunity is not only to ship more chips, but to bind those chips with actuators, algorithms, SDKs, tuning tools, and content ecosystems to create higher-value integrated solutions.

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This report is a detailed and comprehensive analysis for global Mobile Haptic Driver IC 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 Mobile Haptic Driver IC market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Mobile Haptic Driver IC 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 Mobile Haptic Driver IC 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 Mobile Haptic Driver IC 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 Mobile Haptic Driver IC

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 Mobile Haptic Driver IC 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 Texas Instruments Incorporated,

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Cirrus Logic, Inc., Analog Devices, Inc., Microchip Technology Incorporated, Azoteq (Pty) Ltd., Bor?as Technologies Inc., Renesas Electronics Corporation, Nisshinbo Micro Devices Inc., Dongwoon Anatech Co., Ltd., Zinitix Co., Ltd., etc.

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

Market Segmentation

Mobile Haptic Driver IC 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

LRA (Linear Resonance Actuator) Driver IC

ERM (Eccentric Rotating Mass) Driver IC

Others

Market segment by Output Architecture

VBAT Direct-Drive

Boost Driver

Others

Market segment by Product Positioning

General Haptic Driver

HD Haptic Driver

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Market segment by Application

IOS System

Android System

Other System

Major players covered

Texas Instruments Incorporated

Cirrus Logic, Inc.

Analog Devices, Inc.

Microchip Technology Incorporated

Azoteq (Pty) Ltd.

Bor?as Technologies Inc.

Renesas Electronics Corporation

Nisshinbo Micro Devices Inc.

Dongwoon Anatech Co., Ltd.

Zinitix Co., Ltd.

Shenzhen Goodix Technology Co., Ltd.

Shanghai Awinic Technology Co., Ltd.

AAC Technologies Holdings Inc. / RichTap

Market segment by region, regional analysis covers

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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 Mobile Haptic Driver IC product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Mobile Haptic Driver IC, with price, sales quantity, revenue, and global market share of Mobile Haptic Driver IC from 2021 to 2026.

Chapter 3, the Mobile Haptic Driver IC competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Mobile Haptic Driver IC 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 Mobile Haptic Driver IC 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.

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Chapter 13, the key raw materials and key suppliers, and industry chain of Mobile Haptic Driver IC.

Chapter 14 and 15, to describe Mobile Haptic Driver IC sales channel, distributors, customers, research findings and conclusion.

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