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Global Mobile Haptic Driver IC Supply, Demand and Key Producers, 2026-2032

https://marketpublishers.com/r/G4BA24837FC3EN.html
Date: May 2026
Pages: 130
Price: US$ 4,480.00 (Single User License)
ID: G4BA24837FC3EN

Abstracts

The global Mobile Haptic Driver IC market size is expected to reach $ 967 million by 2032, rising at a market growth of 3.4% CAGR during the forecast period (2026-2032).

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 that competition is moving from basic hardware drive capability toward the quality of interaction that users can consistently perceive. For smartphone brands, haptic

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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.

This report studies the global Mobile Haptic Driver IC production, demand, key manufacturers, and key regions.

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This report is a detailed and comprehensive analysis of the world market for Mobile Haptic Driver IC and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Mobile Haptic Driver IC that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Mobile Haptic Driver IC total production and demand, 2021-2032, (K Units)
Global Mobile Haptic Driver IC total production value, 2021-2032, (USD Million)
Global Mobile Haptic Driver IC production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)
Global Mobile Haptic Driver IC consumption by region & country, CAGR, 2021-2032 & (K Units)
U.S. VS China: Mobile Haptic Driver IC domestic production, consumption, key domestic manufacturers and share
Global Mobile Haptic Driver IC production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)
Global Mobile Haptic Driver IC production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)
Global Mobile Haptic Driver IC production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Mobile Haptic Driver IC market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include 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., etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Mobile Haptic Driver IC market

Detailed Segmentation:

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Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (K Units) and average price (US$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Mobile Haptic Driver IC Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Mobile Haptic Driver IC Market, Segmentation by Type:

LRA (Linear Resonance Actuator) Driver IC

ERM (Eccentric Rotating Mass) Driver IC

Others

Global Mobile Haptic Driver IC Market, Segmentation by Output Architecture:

VBAT Direct-Drive

Boost Driver

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Others

Global Mobile Haptic Driver IC Market, Segmentation by Product Positioning:

General Haptic Driver

HD Haptic Driver

Global Mobile Haptic Driver IC Market, Segmentation by Application:

IOS System

Android System

Other System

Companies Profiled:

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.

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Zinitix Co., Ltd.

Shenzhen Goodix Technology Co., Ltd.

Shanghai Awinic Technology Co., Ltd.

AAC Technologies Holdings Inc. / RichTap

Key Questions Answered:

1. How big is the global Mobile Haptic Driver IC market?
2. What is the demand of the global Mobile Haptic Driver IC market?
3. What is the year over year growth of the global Mobile Haptic Driver IC market?
4. What is the production and production value of the global Mobile Haptic Driver IC market?
5. Who are the key producers in the global Mobile Haptic Driver IC market?
6. What are the growth factors driving the market demand?

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