

Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs 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 Miniaturized Barometric Air Pressure (BAP) Sensor ICs market size was valued at US\$ 562 million in 2025 and is forecast to a readjusted size of US\$ 861 million by 2032 with a CAGR of 6.3% during review period.

Miniaturized Barometric Air Pressure (BAP) Sensor ICs are compact MEMS-based integrated circuits designed to measure atmospheric pressure with high precision, enabling seamless integration into space-constrained devices like smartphones and drones. They are classified into analog output sensors, delivering continuous voltage signals, and digital output sensors, providing microcontroller-readable data, catering to diverse system requirements. Their significance lies in facilitating accurate altitude tracking, weather monitoring, and sensor fusion, enhancing functionalities in consumer electronics, IoT, and automotive applications. Key benefits include low power consumption, high accuracy with temperature compensation, and robust functionality for measuring absolute pressure, supporting applications from indoor navigation to medical monitoring.

This report is a detailed and comprehensive analysis for global Miniaturized Barometric Air Pressure (BAP) Sensor ICs 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 Miniaturized Barometric Air Pressure (BAP) Sensor ICs market size and forecasts, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs market shares of main players, shipments in revenue (\$ Million), sales quantity (Million 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 Miniaturized Barometric Air Pressure (BAP) Sensor ICs

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 Miniaturized Barometric Air Pressure (BAP) Sensor ICs 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 NXP Semiconductors, Infineon Technologies, TE Connectivity (SMI), Melexis, Elmos Semiconductor SE, TDK InvenSense, STMicroelectronics, ROHM Semiconductor, Murata Manufacturing, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Market Segmentation

Miniaturized Barometric Air Pressure (BAP) Sensor ICs 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

Analog BAP Sensor

Digital BAP Sensor (dBAP)

Market segment by Application

Automotive Electronic

Consumer Electronic

Industrial Equipment

Others

Major players covered

NXP Semiconductors

Infineon Technologies

TE Connectivity (SMI)

Melexis

Elmos Semiconductor SE

TDK InvenSense

STMicroelectronics

ROHM Semiconductor

Murata Manufacturing

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 Miniaturized Barometric Air Pressure (BAP) Sensor ICs product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Miniaturized Barometric Air Pressure (BAP) Sensor ICs, with price, sales quantity, revenue, and global market share of Miniaturized Barometric Air Pressure (BAP) Sensor ICs from 2021 to 2026.

Chapter 3, the Miniaturized Barometric Air Pressure (BAP) Sensor ICs competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Miniaturized Barometric Air Pressure (BAP) Sensor ICs

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 Miniaturized Barometric Air Pressure (BAP) Sensor ICs 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 Miniaturized Barometric Air Pressure (BAP) Sensor ICs.

Chapter 14 and 15, to describe Miniaturized Barometric Air Pressure (BAP) Sensor ICs sales channel, distributors, customers, research findings and conclusion.

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