

Global Embodied Intelligent Inertial Measurement Unit (IMU) Market 2025 by Company, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/G64F36B8725BEN.html>

Date: April 2025

Pages: 89

Price: US\$ 3,480.00 (Single User License)

ID: G64F36B8725BEN

Abstracts

According to our latest research, the global Embodied Intelligent Inertial Measurement Unit (IMU) market size will reach USD 408 million in 2031, growing at a CAGR of 50.8% over the analysis period.

An inertial measurement unit (IMU) is a motion sensor that combines inertial sensors such as accelerometers and gyroscopes to accurately measure motion data such as acceleration, angular velocity, and tilt angle. The main function of the embodied intelligent inertial sensor is to maintain body balance and achieve precise posture control. For example, it can realize activities such as robot posture control, walking stability, gait coordination, and imitation of human movements.

The Embodied Intelligent Inertial Measurement Unit (IMU) market report provides a detailed analysis of global market size, regional and country-level market size, segmentation market growth, market share, competitive Landscape, sales analysis, impact of domestic and global market players, value chain optimization, trade regulations, recent developments, opportunities analysis, strategic market growth analysis, product launches, area marketplace expanding, and technological innovations.

Market segmentation

Embodied Intelligent Inertial Measurement Unit (IMU) market is split by Type and by Application. For the period 2025-2031, the growth among segments provide accurate calculations and forecasts for revenue by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type, covers

Consumer Level

Tactical Level

Navigation Level

Market segment by Application, can be divided into

National Defense

Aerospace

Medical

Automobile

Consumer Electronics

Others

Market segment by players, this report covers

Bosch

ST

Murata

Honeywell

NXP

ADI

TDK

Northrop Grumman Litef

Safran

Market segment by regions, regional analysis covers

North America

Europe

Asia-Pacific

South America

Middle East & Africa

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