

Global IoT Medical Devices Market Report and Forecast 2023-2031

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Report description:

Global IoT Medical Devices Market Report and Forecast 2023-2031

Global IoT Medical Devices Market Outlook

The global IoT medical devices market size is being driven by the rising prevalence of cardiovascular diseases across the globe. The market value was close to USD 25.09 billion in 2022 and is anticipated to grow at a CAGR of 25.14% during the forecast period of 2023-2031. The market is anticipated to achieve a value of USD 188.86 billion by 2031.

IoT Medical Devices: Introduction

The Internet of Things (IoT) has transformed various industries, including healthcare. IoT medical devices are connected devices that use the internet and other digital technologies to monitor patients' health and transmit data to healthcare providers. The global IoT medical devices market is rapidly growing, driven by the increasing prevalence of chronic diseases, rising demand for remote patient monitoring solutions, and the need for more personalized and efficient healthcare delivery.

IoT medical devices are used in various healthcare settings, such as hospitals, clinics, and patients' homes. These devices include wearable sensors, smart implants, connected health monitors, and telehealth platforms. These devices help patients monitor their health remotely and receive timely alerts and interventions, when necessary, while enabling healthcare providers to collect real-time data on patient health, leading to accurate diagnosis and treatment plans.

The COVID-19 pandemic has accelerated the adoption of IoT medical devices, with healthcare providers increasingly relying on remote patient monitoring solutions to manage patient care and reduce the risk of infection. The market for IoT medical devices is expected to grow, driven by the increasing demand for remote patient monitoring and personalized healthcare solutions. However, the market also faces challenges, including concerns over data security and privacy, regulatory challenges related to the use of IoT medical devices in healthcare, and the high cost of these devices. Despite these challenges, the market for IoT medical devices is expected to continue to grow as healthcare providers seek new and innovative solutions to improve patient outcomes and reduce healthcare costs.

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IoT Medical Devices: Applications and Uses

IoT (Internet of Things) medical devices have a wide range of applications and uses in healthcare. Some of the most common applications of IoT medical devices include:

- Remote patient monitoring: IoT medical devices such as wearable sensors, smart implants, and connected health monitors enable patients to monitor their health remotely and receive timely alerts and interventions when necessary. This is particularly useful for patients with chronic conditions who require continuous monitoring and management.
- Telehealth: IoT medical devices can be used to support telehealth services, allowing patients to receive medical care and advice remotely through video conferencing and other digital communication platforms.
- Clinical trials: IoT medical devices can be used in clinical trials to collect real-time data on patient health and monitor the effectiveness of new treatments and interventions.
- Hospital and healthcare management: IoT medical devices can be used to track patient flow, monitor inventory levels, and manage hospital resources, helping to optimize healthcare operations and improve patient outcomes.
- Personalized medicine: IoT medical devices enable healthcare providers to collect real-time data on patients, allowing for more accurate diagnosis and treatment plans tailored to individual patient needs.
- Medical research: IoT medical devices can be used in medical research to collect data on patient health and behaviour, helping researchers to better understand disease processes and develop new treatments and interventions.
- Overall, IoT medical devices have the potential to transform healthcare by enabling more personalized, efficient, and effective healthcare delivery.

Global IoT Medical Devices Market Segmentations

Market Breakup by Product

- Vital Signs Monitoring Devices
- Blood Glucose Monitors
- ECG/Heart rate Monitors
- Blood Pressure Monitors
- Multiparameter Monitors
- Oximeters
- Others
- Implantable Cardiac Devices
- Implantable Cardioverter-Defibrillators
- Pacemakers
- Implantable Cardiac monitors
- Imaging Systems
- Patient Monitors
- Respiratory Devices
- Infusion Pumps
- Foetal Monitoring Devices
- Neurological Devices
- Ventilators
- Anesthesia Machines
- Hearing Devices
- Other Devices

Market Breakup by Type

- Stationary Medical Devices
- Implantable Medical Devices
- Wearable Medical Devices
- Others

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Market Breakup by Connectivity

- Wi-Fi
- Bluetooth
- Zigbee
- Others

Market Breakup by End User

- Hospitals and Clinics
- Nursing Homes, Long-Term Care Centres, and Home Care Settings
- Research and Diagnostics Laboratories
- Clinical Research Organization (CRO)
- Others

Market Breakup by Region

- North America
- United States of America
- Canada
- Europe
- United Kingdom
- Germany
- France
- Italy
- Others
- Asia Pacific
- China
- Japan
- India
- ASEAN
- Australia
- Others
- Latin America
- Brazil
- Argentina
- Mexico
- Others
- Middle East and Africa
- Saudi Arabia
- United Arab Emirates
- Nigeria
- South Africa
- Others

Global IoT Medical Devices Market Scenario

The IoT (Internet of Things) medical devices market has been growing rapidly in recent years, driven by the increasing adoption of IoT technology in healthcare and the growing demand for remote patient monitoring and healthcare management solutions. One of the key factors driving the market growth is the increasing prevalence of chronic diseases and the need for continuous

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monitoring and management of these conditions. IoT medical devices such as wearable sensors, smart implants, and connected health monitors enable patients to monitor their health and receive timely alerts and interventions when necessary. The COVID-19 pandemic has also had an impact on the market for IoT medical devices, with healthcare providers increasingly relying on remote patient monitoring solutions to manage patient care and reduce the risk of infection. This has led to a surge in demand for IoT medical devices such as remote patient monitoring systems, telehealth platforms, and connected medical devices. Another factor driving the market growth is the increasing focus on personalized medicine and precision healthcare. IoT medical devices enable healthcare providers to collect real-time data on patients, allowing for more accurate diagnosis and treatment plans tailored to individual patient needs.

However, the market also faces several challenges, including concerns over data security and privacy, as well as regulatory challenges related to the use of IoT medical devices in healthcare. Additionally, the high cost of IoT medical devices may limit their adoption in some regions and healthcare settings.

Overall, the market for IoT medical devices is expected to continue to grow in the coming years, driven by the increasing demand for remote patient monitoring and personalized healthcare solutions. The market is also expected to see continued innovation, with companies developing new and improved IoT medical devices and platforms to meet the evolving needs of the healthcare industry.

Key Players in the Global IoT Medical Devices Market

The report gives an in-depth analysis of the key players involved in the global IoT medical devices market. The companies included in the market are as follows:

- Medtronic
- Cisco Inc
- GENERAL ELECTRIC
- STANLEY Healthcare
- Capsule Technologies, Inc
- IBM Corporation
- Koninklijke Philips N.V.
- SAP affiliate company
- AdhereTech
- Cerner Corporation
- Meru Health
- LifeFuels Inc
- CARRE TECHNOLOGIES INC.

Table of Contents:

- 1 Preface
 - 1.1 Objectives of the Study
 - 1.2 Key Assumptions
 - 1.3 Report Coverage - Key Segmentation and Scope
 - 1.4 Research Methodology
- 2 Executive Summary

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- 3 Global IoT Medical Devices Market Overview
 - 3.1 Global IoT Medical Devices Market Historical Value (2016-2022)
 - 3.2 Global IoT Medical Devices Market Forecast Value (2023-2031)
- 4 Global IoT Medical Devices Market Landscape
 - 4.1 Global IoT Medical Devices Developers Landscape
 - 4.1.1 Analysis by Year of Establishment
 - 4.1.2 Analysis by Company Size
 - 4.1.3 Analysis by Region
 - 4.2 Global IoT Medical Devices Product Landscape
 - 4.2.1 Analysis by Type of Biosensor
 - 4.2.2 Analysis by Technology Used
 - 4.2.3 Analysis by Applications
- 5 Global IoT Medical Devices Market Dynamics
 - 5.1 Market Drivers and Constraints
 - 5.2 SWOT Analysis
 - 5.3 Porter's Five Forces Model
 - 5.4 Key Demand Indicators
 - 5.5 Key Price Indicators
 - 5.6 Industry Events, Initiatives, and Trends
 - 5.7 Value Chain Analysis
- 6 Global IoT Medical Devices Market Segmentation
 - 6.1 Global IoT Medical Devices Market by Product
 - 6.1.1 Market Overview
 - 6.1.2 Vital Signs Monitoring Devices
 - 6.1.2.1 Blood Glucose Monitors
 - 6.1.2.2 ECG/Heart rate Monitors
 - 6.1.2.3 Blood Pressure Monitors
 - 6.1.2.4 Multiparameter Monitors
 - 6.1.2.5 Oximeters
 - 6.1.2.6 Others
 - 6.1.3 Implantable Cardiac Devices
 - 6.1.3.1 Implantable Cardioverter-Defibrillators
 - 6.1.3.2 Pacemakers
 - 6.1.3.3 Implantable Cardiac monitors
 - 6.1.4 Imaging Systems
 - 6.1.5 Patient Monitors
 - 6.1.5.1 Respiratory Devices
 - 6.1.5.2 Infusion Pumps
 - 6.1.5.3 Foetal Monitoring Devices
 - 6.1.5.4 Neurological Devices
 - 6.1.5.5 Ventilators
 - 6.1.5.6 Anesthesia Machines
 - 6.1.5.7 Hearing Devices
 - 6.1.5.8 Other Devices
 - 6.2 Global IoT Medical Devices Market by Type
 - 6.2.1 Market Overview
 - 6.2.2 Stationary Medical Devices

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- 6.2.3 Implantable Medical Devices
- 6.2.4 Wearable Medical Devices
- 6.2.5 Others
- 6.3 Global IoT Medical Devices Market by Connectivity
 - 6.3.1 Market Overview
 - 6.3.2 Wi-Fi
 - 6.3.3 Bluetooth
 - 6.3.4 Zigbee
 - 6.3.5 Others
- 6.4 Global IoT Medical Devices Market by End User
 - 6.4.1 Market Overview
 - 6.4.2 Hospitals & Clinics
 - 6.4.3 Nursing Homes, Long-Term Care Centres, and Home Care Settings
 - 6.4.4 Research and Diagnostics Laboratories
 - 6.4.5 Clinical Research Organization (CRO)
 - 6.4.6 Others
- 6.5 Global IoT Medical Devices Market by Region
 - 6.5.1 Market Overview
 - 6.5.2 North America
 - 6.5.3 Europe
 - 6.5.4 Asia Pacific
 - 6.5.5 Latin America
 - 6.5.6 Middle East and Africa
- 7 North America IoT Medical Devices Market
 - 7.1 Market Share by Country
 - 7.2 United States of America
 - 7.3 Canada
- 8 Europe IoT Medical Devices Market
 - 8.1 Market Share by Country
 - 8.2 United Kingdom
 - 8.3 Germany
 - 8.4 France
 - 8.5 Italy
 - 8.6 Others
- 9 Asia Pacific IoT Medical Devices Market
 - 9.1 Market Share by Country
 - 9.2 China
 - 9.3 Japan
 - 9.4 India
 - 9.5 ASEAN
 - 9.6 Australia
 - 9.7 Others
- 10 Latin America IoT Medical Devices Market
 - 10.1 Market Share by Country
 - 10.2 Brazil
 - 10.3 Argentina
 - 10.4 Mexico

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- 10.5 Others
- 11 Middle East and Africa IoT Medical Devices Market
 - 11.1 Market Share by Country
 - 11.2 Saudi Arabia
 - 11.3 United Arab Emirates
 - 11.4 Nigeria
 - 11.5 South Africa
 - 11.6 Others
- 12 Patent Analysis
 - 12.1 Analysis by Type of Patent
 - 12.2 Analysis by Publication year
 - 12.3 Analysis by Issuing Authority
 - 12.4 Analysis by Patent Age
 - 12.5 Analysis by CPC Analysis
 - 12.6 Analysis by Patent Valuation
 - 12.7 Analysis by Key Players
- 13 Grants Analysis
 - 13.1 Analysis by year
 - 13.2 Analysis by Amount Awarded
 - 13.3 Analysis by Issuing Authority
 - 13.4 Analysis by Grant Application
 - 13.5 Analysis by Funding Institute
 - 13.6 Analysis by NIH Departments
 - 13.7 Analysis by Recipient Organization
- 14 Funding Analysis
 - 14.1 Analysis by Funding Instances
 - 14.2 Analysis by Type of Funding
 - 14.3 Analysis by Funding Amount
 - 14.4 Analysis by Leading Players
 - 14.5 Analysis by Leading Investors
 - 14.6 Analysis by Geography
- 15 Partnership and Collaborations Analysis
 - 15.1 Analysis by Partnership Instances
 - 15.2 Analysis by Type of Partnership
 - 15.3 Analysis by Leading Players
 - 15.4 Analysis by Geography
- 16 Regulatory Framework
 - 16.1 Regulatory Overview
 - 16.1.1 US FDA
 - 16.1.2 EU EMA
 - 16.1.3 INDIA CDSCO
 - 16.1.4 JAPAN PMDA
 - 16.1.5 Others
- 17 Supplier Landscape
 - 17.1 Medtronic
 - 17.1.1 Financial Analysis
 - 17.1.2 Product Portfolio

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- 17.1.3 Demographic Reach and Achievements
- 17.1.4 Mergers and Acquisitions
- 17.1.5 Certifications
- 17.2 Cisco Inc
 - 17.2.1 Financial Analysis
 - 17.2.2 Product Portfolio
 - 17.2.3 Demographic Reach and Achievements
 - 17.2.4 Mergers and Acquisitions
 - 17.2.5 Certifications
- 17.3 GENERAL ELECTRIC
 - 17.3.1 Financial Analysis
 - 17.3.2 Product Portfolio
 - 17.3.3 Demographic Reach and Achievements
 - 17.3.4 Mergers and Acquisitions
 - 17.3.5 Certifications
- 17.4 STANLEY Healthcare
 - 17.4.1 Financial Analysis
 - 17.4.2 Financial Portfolio
 - 17.4.3 Demographic Reach and Achievements
 - 17.4.4 Mergers and Acquisitions
 - 17.4.5 Certifications
- 17.5 Capsule Technologies, Inc
 - 17.5.1 Financial Analysis
 - 17.5.2 Product Portfolio
 - 17.5.3 Demographic Reach and Achievements
 - 17.5.4 Mergers and Acquisitions
 - 17.5.5 Certifications
- 17.6 IBM Corporation
 - 17.6.1 Financial Analysis
 - 17.6.2 Product Portfolio
 - 17.6.3 Demographic Reach and Achievements
 - 17.6.4 Mergers and Acquisitions
 - 17.6.5 Certifications
- 17.7 Koninklijke Philips N.V.
 - 17.7.1 Financial Analysis
 - 17.7.2 Product Portfolio
 - 17.7.3 Demographic Reach and Achievements
 - 17.7.4 Mergers and Acquisitions
 - 17.7.5 Certifications
- 17.8 SAP affiliate company
 - 17.8.1 Financial Analysis
 - 17.8.2 Product Portfolio
 - 17.8.3 Demographic Reach and Achievements
 - 17.8.4 Mergers and Acquisitions
 - 17.8.5 Certifications
- 17.9 AdhereTech
 - 17.9.1 Financial Analysis

- 17.9.2 Product Portfolio
- 17.9.3 Demographic Reach and Achievements
- 17.9.4 Mergers and Acquisitions
- 17.9.5 Certifications
- 17.10 Cerner Corporation
 - 17.10.1 Financial Analysis
 - 17.10.2 Product Portfolio
 - 17.10.3 Demographic Reach and Achievements
 - 17.10.4 Mergers and Acquisitions
 - 17.10.5 Certifications
- 17.11 Meru Health
 - 17.11.1 Financial Analysis
 - 17.11.2 Product Portfolio
 - 17.11.3 Demographic Reach and Achievements
 - 17.11.4 Mergers and Acquisitions
 - 17.11.5 Certifications
- 17.12 LifeFuels Inc
 - 17.12.1 Financial Analysis
 - 17.12.2 Product Portfolio
 - 17.12.3 Demographic Reach and Achievements
 - 17.12.4 Mergers and Acquisitions
 - 17.12.5 Certifications
- 17.13 CARRE TECHNOLOGIES INC.
 - 17.13.1 Financial Analysis
 - 17.13.2 Product Portfolio
 - 17.13.3 Demographic Reach and Achievements
 - 17.13.4 Mergers and Acquisitions
 - 17.13.5 Certifications
- 18 Global IoT Medical Devices Market - Distribution Model (Additional Insight)
 - 18.1 Overview
 - 18.2 Potential Distributors
 - 18.3 Key Parameters for Distribution Partner Assessment
- 19 Key Opinion Leaders (KOL) Insights (Additional Insight)
- 20 Company Competitiveness Analysis (Additional Insight)
 - 20.1 Very Small Companies
 - 20.2 Small Companies
 - 20.3 Mid-Sized Companies
 - 20.4 Large Companies
 - 20.5 Very Large Companies
- 21 Payment Methods (Additional Insight)
 - 21.1 Government Funded
 - 21.2 Private Insurance
 - 21.3 Out-of-Pocket

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