

Global NB-IoT Sensor Market Research Report 2024(Status and Outlook)

<https://marketpublishers.com/r/GEF414AD5D09EN.html>

Date: December 2024

Pages: 166

Price: US\$ 2,800.00 (Single User License)

ID: GEF414AD5D09EN

Abstracts

Report Overview

The NB-IoT (Narrowband Internet of Things) sensor market is a segment within the broader IoT industry that focuses on low-power, wide-area network (LPWAN) connectivity for IoT devices. NB-IoT sensors are designed to enable efficient, cost-effective, and reliable communication for a wide range of applications, including smart cities, industrial IoT, agriculture, and asset tracking.

As of 2023, the NB-IoT sensor market is valued at approximately \$150 million. It is projected to grow at a compound annual growth rate (CAGR) of 25.67% from 2024 to 2032, reaching a market size of \$580 million by the end of the forecast period. This growth is primarily driven by the increasing adoption of IoT technologies across industries, the need for long-range connectivity solutions, and the demand for low-power consumption devices.

Several key growth drivers and market forces are propelling the expansion of the NB-IoT sensor market. Firstly, the growing emphasis on smart infrastructure and sustainable development is fueling the demand for NB-IoT sensors in smart city projects, such as smart lighting, waste management, and environmental monitoring. Secondly, the industrial IoT sector is leveraging NB-IoT sensors for asset tracking, predictive maintenance, and process optimization, driving efficiency and cost savings. Additionally, the agriculture sector is adopting NB-IoT sensors for precision farming, irrigation management, and livestock monitoring to enhance productivity and sustainability.

In terms of market trends, there are several noteworthy developments shaping the NB-

IoT sensor landscape. One prominent trend is the integration of artificial intelligence (AI) and machine learning algorithms with NB-IoT sensors to enable predictive analytics and real-time decision-making. This trend enhances the capabilities of NB-IoT sensors in detecting anomalies, optimizing operations, and improving overall efficiency. Another trend is the increasing focus on data security and privacy in IoT devices, leading to the implementation of robust encryption protocols and secure communication channels to protect sensitive information.

Furthermore, the regional distribution of the NB-IoT sensor market highlights certain leading markets and regional dominance factors. For instance, North America and Europe are key regions driving market growth due to their advanced infrastructure, strong regulatory frameworks, and high IoT adoption rates. In these regions, factors such as technological innovation, supportive government initiatives, and strategic partnerships between IoT companies and network providers contribute to market expansion. In contrast, emerging markets in Asia-Pacific and Latin America are experiencing rapid growth in NB-IoT sensor adoption, driven by increasing investments in smart city projects, industrial automation, and digital transformation initiatives.

Despite the promising growth prospects, the NB-IoT sensor market faces several challenges that need to be addressed. One key challenge is interoperability issues arising from the diverse range of IoT devices and platforms, hindering seamless communication and data exchange. Additionally, concerns related to data privacy, cybersecurity threats, and regulatory compliance pose significant hurdles for widespread NB-IoT sensor deployment. Overcoming these challenges will require industry collaboration, standardization efforts, and continuous innovation in IoT technologies to ensure the scalability and sustainability of NB-IoT sensor solutions.

This report provides a deep insight into the global NB-IoT Sensor market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global NB-IoT Sensor Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the

competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the NB-IoT Sensor market in any manner.

Global NB-IoT Sensor Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Efento

IOT Factory

ELKO EP

LUPUS Electronics

Tekelek

Ellenex

Elvaco

Simatix

SECTRON

ModemLabs

Wintec

Ericsson

TECHNOTON ENGINEERING

Milesight

mysentech

SUMYOUNG TECH

ARWIN

Dragino Technology Co.

Limited

Market Segmentation (by Type)

Pressure Sensor

Temperature Sensor

Liquid Level Sensor

Market Segmentation (by Application)

Industrial

Medical Industry

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-

Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the NB-IoT Sensor Market

Overview of the regional outlook of the NB-IoT Sensor Market:

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the NB-IoT Sensor Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

1.1 Market Definition and Statistical Scope of NB-IoT Sensor

1.2 Key Market Segments

1.2.1 NB-IoT Sensor Segment by Type

1.2.2 NB-IoT Sensor Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

2 NB-IOT SENSOR MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global NB-IoT Sensor Market Size (M USD) Estimates and Forecasts (2019-2032)

2.1.2 Global NB-IoT Sensor Sales Estimates and Forecasts (2019-2032)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

2.4 Macroeconomic Analysis

3 NB-IOT SENSOR MARKET COMPETITIVE LANDSCAPE

3.1 Global NB-IoT Sensor Sales by Manufacturers (2019-2024)

3.2 Global NB-IoT Sensor Revenue Market Share by Manufacturers (2019-2024)

3.3 NB-IoT Sensor Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.4 Global NB-IoT Sensor Average Price by Manufacturers (2019-2024)

3.5 Manufacturers NB-IoT Sensor Sales Sites, Area Served, Product Type

3.6 NB-IoT Sensor Market Competitive Situation and Trends

3.6.1 NB-IoT Sensor Market Concentration Rate

3.6.2 Global 5 and 10 Largest NB-IoT Sensor Players Market Share by Revenue

3.6.3 Mergers & Acquisitions, Expansion

4 NB-IOT SENSOR INDUSTRY CHAIN ANALYSIS

- 4.1 NB-IoT Sensor Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF NB-IOT SENSOR MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Market Restraints
- 5.5 Industry News
 - 5.5.1 New Product Developments
 - 5.5.2 Mergers & Acquisitions
 - 5.5.3 Expansions
 - 5.5.4 Collaboration/Supply Contracts
- 5.6 Industry Policies

6 NB-IOT SENSOR MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global NB-IoT Sensor Sales Market Share by Type (2019-2024)
- 6.3 Global NB-IoT Sensor Market Size Market Share by Type (2019-2024)
- 6.4 Global NB-IoT Sensor Price by Type (2019-2024)

7 NB-IOT SENSOR MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global NB-IoT Sensor Market Sales by Application (2019-2024)
- 7.3 Global NB-IoT Sensor Market Size (M USD) by Application (2019-2024)
- 7.4 Global NB-IoT Sensor Sales Growth Rate by Application (2019-2024)

8 NB-IOT SENSOR MARKET SALES BY REGION

- 8.1 Global NB-IoT Sensor Sales by Region
 - 8.1.1 Global NB-IoT Sensor Sales by Region
 - 8.1.2 Global NB-IoT Sensor Sales Market Share by Region
- 8.2 Global NB-IoT Sensor Market Size by Region
 - 8.2.1 Global NB-IoT Sensor Market Size by Region

8.2.2 Global NB-IoT Sensor Market Size Market Share by Region

8.3 North America

8.3.1 North America NB-IoT Sensor Sales by Country

8.3.2 North America NB-IoT Sensor Market Size by Country

8.3.3 U.S. Market Overview

8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe NB-IoT Sensor Sales by Country

8.4.2 Europe NB-IoT Sensor Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Russia Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific NB-IoT Sensor Sales by Region

8.5.2 China

8.5.3 Japan

8.5.4 South Korea

8.5.5 India

8.5.6 Southeast Asia

8.6 Asia Pacific

8.6.1 Asia Pacific NB-IoT Sensor Market Size by Region

8.6.2 Asia Pacific NB-IoT Sensor Market Size by Region

8.6.3 China

8.6.4 Japan

8.6.5 South Korea

8.6.6 India

8.6.7 Southeast Asia

8.7 South America

8.7.1 South America NB-IoT Sensor Sales by Country

8.7.2 South America NB-IoT Sensor Market Size by Country

8.7.3 Brazil

8.7.4 Argentina

8.7.5 Columbia

8.8 Middle East and Africa

8.8.1 Middle East and Africa NB-IoT Sensor Sales by Region

8.8.2 Middle East and Africa NB-IoT Sensor Market Size by Region

8.8.3 Saudi Arabia

8.8.4 UAE

8.8.5 Egypt

8.8.6 Nigeria

8.8.7 South Africa

9 NB-IOT SENSOR MARKET PRODUCTION BY REGION

9.1 Global Production of NB-IoT Sensor by Region (2019-2024)

9.2 Global NB-IoT Sensor Revenue Market Share by Region (2019-2024)

9.3 Global NB-IoT Sensor Production, Revenue, Price and Gross Margin (2019-2024)

9.4 North America NB-IoT Sensor Production

9.4.1 North America NB-IoT Sensor Production Growth Rate (2019-2024)

9.4.2 North America NB-IoT Sensor Production, Revenue, Price and Gross Margin (2019-2024)

9.5 Europe NB-IoT Sensor Production

9.5.1 Europe NB-IoT Sensor Production Growth Rate (2019-2024)

9.5.2 Europe NB-IoT Sensor Production, Revenue, Price and Gross Margin (2019-2024)

9.6 Japan NB-IoT Sensor Production (2019-2024)

9.6.1 Japan NB-IoT Sensor Production Growth Rate (2019-2024)

9.6.2 Japan NB-IoT Sensor Production, Revenue, Price and Gross Margin (2019-2024)

9.7 China NB-IoT Sensor Production (2019-2024)

9.7.1 China NB-IoT Sensor Production Growth Rate (2019-2024)

9.7.2 China NB-IoT Sensor Production, Revenue, Price and Gross Margin (2019-2024)

10 KEY COMPANIES PROFILE

10.1 Efento

10.1.1 Efento NB-IoT Sensor Basic Information

10.1.2 Efento NB-IoT Sensor Product Overview

10.1.3 Efento NB-IoT Sensor Product Market Performance

10.1.4 Efento Business Overview

10.1.5 Efento NB-IoT Sensor SWOT Analysis

10.1.6 Efento Recent Developments

10.2 IOT Factory

10.2.1 IOT Factory NB-IoT Sensor Basic Information

10.2.2 IOT Factory NB-IoT Sensor Product Overview

- 10.2.3 IOT Factory NB-IoT Sensor Product Market Performance
- 10.2.4 IOT Factory Business Overview
- 10.2.5 IOT Factory NB-IoT Sensor SWOT Analysis
- 10.2.6 IOT Factory Recent Developments
- 10.3 ELKO EP
 - 10.3.1 ELKO EP NB-IoT Sensor Basic Information
 - 10.3.2 ELKO EP NB-IoT Sensor Product Overview
 - 10.3.3 ELKO EP NB-IoT Sensor Product Market Performance
 - 10.3.4 ELKO EP NB-IoT Sensor SWOT Analysis
 - 10.3.5 ELKO EP Business Overview
 - 10.3.6 ELKO EP Recent Developments
- 10.4 LUPUS Electronics
 - 10.4.1 LUPUS Electronics NB-IoT Sensor Basic Information
 - 10.4.2 LUPUS Electronics NB-IoT Sensor Product Overview
 - 10.4.3 LUPUS Electronics NB-IoT Sensor Product Market Performance
 - 10.4.4 LUPUS Electronics Business Overview
 - 10.4.5 LUPUS Electronics Recent Developments
- 10.5 Tekelek
 - 10.5.1 Tekelek NB-IoT Sensor Basic Information
 - 10.5.2 Tekelek NB-IoT Sensor Product Overview
 - 10.5.3 Tekelek NB-IoT Sensor Product Market Performance
 - 10.5.4 Tekelek Business Overview
 - 10.5.5 Tekelek Recent Developments
- 10.6 Ellenex
 - 10.6.1 Ellenex NB-IoT Sensor Basic Information
 - 10.6.2 Ellenex NB-IoT Sensor Product Overview
 - 10.6.3 Ellenex NB-IoT Sensor Product Market Performance
 - 10.6.4 Ellenex Business Overview
 - 10.6.5 Ellenex Recent Developments
- 10.7 Elvaco
 - 10.7.1 Elvaco NB-IoT Sensor Basic Information
 - 10.7.2 Elvaco NB-IoT Sensor Product Overview
 - 10.7.3 Elvaco NB-IoT Sensor Product Market Performance
 - 10.7.4 Elvaco Business Overview
 - 10.7.5 Elvaco Recent Developments
- 10.8 Simatix
 - 10.8.1 Simatix NB-IoT Sensor Basic Information
 - 10.8.2 Simatix NB-IoT Sensor Product Overview
 - 10.8.3 Simatix NB-IoT Sensor Product Market Performance

- 10.8.4 Simatix Business Overview
- 10.8.5 Simatix Recent Developments
- 10.9 SECTRON
 - 10.9.1 SECTRON NB-IoT Sensor Basic Information
 - 10.9.2 SECTRON NB-IoT Sensor Product Overview
 - 10.9.3 SECTRON NB-IoT Sensor Product Market Performance
 - 10.9.4 SECTRON Business Overview
 - 10.9.5 SECTRON Recent Developments
- 10.10 ModemLabs
 - 10.10.1 ModemLabs NB-IoT Sensor Basic Information
 - 10.10.2 ModemLabs NB-IoT Sensor Product Overview
 - 10.10.3 ModemLabs NB-IoT Sensor Product Market Performance
 - 10.10.4 ModemLabs Business Overview
 - 10.10.5 ModemLabs Recent Developments
- 10.11 Wintec
 - 10.11.1 Wintec NB-IoT Sensor Basic Information
 - 10.11.2 Wintec NB-IoT Sensor Product Overview
 - 10.11.3 Wintec NB-IoT Sensor Product Market Performance
 - 10.11.4 Wintec Business Overview
 - 10.11.5 Wintec Recent Developments
- 10.12 Ericsson
 - 10.12.1 Ericsson NB-IoT Sensor Basic Information
 - 10.12.2 Ericsson NB-IoT Sensor Product Overview
 - 10.12.3 Ericsson NB-IoT Sensor Product Market Performance
 - 10.12.4 Ericsson Business Overview
 - 10.12.5 Ericsson Recent Developments
- 10.13 TECHNOTON ENGINEERING
 - 10.13.1 TECHNOTON ENGINEERING NB-IoT Sensor Basic Information
 - 10.13.2 TECHNOTON ENGINEERING NB-IoT Sensor Product Overview
 - 10.13.3 TECHNOTON ENGINEERING NB-IoT Sensor Product Market Performance
 - 10.13.4 TECHNOTON ENGINEERING Business Overview
 - 10.13.5 TECHNOTON ENGINEERING Recent Developments
- 10.14 Milesight
 - 10.14.1 Milesight NB-IoT Sensor Basic Information
 - 10.14.2 Milesight NB-IoT Sensor Product Overview
 - 10.14.3 Milesight NB-IoT Sensor Product Market Performance
 - 10.14.4 Milesight Business Overview
 - 10.14.5 Milesight Recent Developments
- 10.15 mysentech

- 10.15.1 mysentech NB-IoT Sensor Basic Information
- 10.15.2 mysentech NB-IoT Sensor Product Overview
- 10.15.3 mysentech NB-IoT Sensor Product Market Performance
- 10.15.4 mysentech Business Overview
- 10.15.5 mysentech Recent Developments
- 10.16 SUMYOUNG TECH
 - 10.16.1 SUMYOUNG TECH NB-IoT Sensor Basic Information
 - 10.16.2 SUMYOUNG TECH NB-IoT Sensor Product Overview
 - 10.16.3 SUMYOUNG TECH NB-IoT Sensor Product Market Performance
 - 10.16.4 SUMYOUNG TECH Business Overview
 - 10.16.5 SUMYOUNG TECH Recent Developments
- 10.17 ARWIN
 - 10.17.1 ARWIN NB-IoT Sensor Basic Information
 - 10.17.2 ARWIN NB-IoT Sensor Product Overview
 - 10.17.3 ARWIN NB-IoT Sensor Product Market Performance
 - 10.17.4 ARWIN Business Overview
 - 10.17.5 ARWIN Recent Developments
- 10.18 Dragino Technology Co.
 - 10.18.1 Dragino Technology Co. NB-IoT Sensor Basic Information
 - 10.18.2 Dragino Technology Co. NB-IoT Sensor Product Overview
 - 10.18.3 Dragino Technology Co. NB-IoT Sensor Product Market Performance
 - 10.18.4 Dragino Technology Co. Business Overview
 - 10.18.5 Dragino Technology Co. Recent Developments
- 10.19 Limited
 - 10.19.1 Limited NB-IoT Sensor Basic Information
 - 10.19.2 Limited NB-IoT Sensor Product Overview
 - 10.19.3 Limited NB-IoT Sensor Product Market Performance
 - 10.19.4 Limited Business Overview
 - 10.19.5 Limited Recent Developments

11 NB-IOT SENSOR MARKET FORECAST BY REGION

- 11.1 Global NB-IoT Sensor Market Size Forecast
- 11.2 Global NB-IoT Sensor Market Forecast by Region
 - 11.2.1 North America Market Size Forecast by Country
 - 11.2.2 Europe NB-IoT Sensor Market Size Forecast by Country
 - 11.2.3 Asia Pacific NB-IoT Sensor Market Size Forecast by Region
 - 11.2.4 South America NB-IoT Sensor Market Size Forecast by Country
 - 11.2.5 Middle East and Africa Forecasted Sales of NB-IoT Sensor by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2032)

12.1 Global NB-IoT Sensor Market Forecast by Type (2025-2032)

12.1.1 Global Forecasted Sales of NB-IoT Sensor by Type (2025-2032)

12.1.2 Global NB-IoT Sensor Market Size Forecast by Type (2025-2032)

12.1.3 Global Forecasted Price of NB-IoT Sensor by Type (2025-2032)

12.2 Global NB-IoT Sensor Market Forecast by Application (2025-2032)

12.2.1 Global NB-IoT Sensor Sales (K Units) Forecast by Application

12.2.2 Global NB-IoT Sensor Market Size (M USD) Forecast by Application
(2025-2032)

13 CONCLUSION AND KEY FINDINGS

I would like to order

Product name: Global NB-IoT Sensor Market Research Report 2024(Status and Outlook)

Product link: <https://marketpublishers.com/r/GEF414AD5D09EN.html>

Price: US\$ 2,800.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GEF414AD5D09EN.html>