

Global NB-IoT Module Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global NB-IoT Module market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

Narrowband IoT (NB-IoT) is a wireless internet of things (IoT) protocol using low-power wide area network (LPWAN) technology. It was developed by 3GPP for cellular wireless communication that enables a wide range of new NB-IoT devices and services. NB-IoT module, also known as Narrowband IoT module, is a wireless communication module designed for Internet of Things (IoT) applications. It utilizes the Narrowband IoT technology to provide low-power, low-cost, and wide coverage wireless connectivity for IoT devices.

According to our research, the number of global connected IoT devices was about 14 billion, grew by 18% compared to 2021. The data released by the Office of the Central Cyberspace Affairs Commission shows that, by the end of 2022, China has built and opened a total of 2.3 million 5G base stations. 110 cities across the country have reached the gigabit city construction standards. Gigabit optical network has the ability to cover more than 500 million households. IPv6 scale deployment application is deeply promoted. The number of active users exceeds 700 million, mobile network IPv6 traffic accounted for nearly 50%. The total size of China's data center racks exceeds 6.5 million standard racks, with an average annual growth rate of more than 30% in the past five years.

This report is a detailed and comprehensive analysis for global NB-IoT Module 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 NB-IoT Module market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global NB-IoT Module market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global NB-IoT Module market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global NB-IoT Module market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

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 NB-IoT Module

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 NB-IoT Module 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 U-blox, Murata, Telit, Quectel, Sequans Communications, Sierra Wireless, Thales, Fibocom, Shenzhen Ai-Thinker Technology, Sercomm Corporation, etc.

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

new product launches or approvals.

Market Segmentation

NB-IoT Module market is split by Type and by Application. For the period 2020-2031, 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

LCC Packaging

LGA Packaging

Market segment by Application

Smart Home

Smart Transportation

Intelligent Security

Environmental Inspection and Control

Industry and Agriculture

Others

Major players covered

U-blox

Murata

Telit

Quectel

Sequans Communications

Sierra Wireless

Thales

Fibocom

Shenzhen Ai-Thinker Technology

Sercomm Corporation

Four-Faith

HopeRF

Jinan USR IOT Technology Limited

Hi-Link

Chilitag Technology

Chengdu Ebyte Electronic Technology

Neoway Technology

Lierda Technology GroupMeiG Smart Technology

MeiG Smart Technology

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 NB-IoT Module product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of NB-IoT Module, with price, sales quantity, revenue, and global market share of NB-IoT Module from 2020 to 2025.

Chapter 3, the NB-IoT Module competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the NB-IoT Module breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and NB-IoT Module market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 NB-IoT Module.

Chapter 14 and 15, to describe NB-IoT Module sales channel, distributors, customers, research findings and conclusion.

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