

Global IoT Smart Modules Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/G98EDD7B028CEN.html>

Date: May 2025

Pages: 104

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

ID: G98EDD7B028CEN

Abstracts

According to our (Global Info Research) latest study, the global IoT Smart Modules 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.

Smart module, with the characteristics of communication module, supports 5G/4G/3G/2G WAN access. At the same time, the smart module comes with complex operating systems such as Android and HarmonyOS, and has an open and secure software environment; it has its own CPU and GPU computing power, is highly integrated, and supports GNSS, Wi-Fi 4/5/6, BT/BLE . The smart module has rich interfaces, which can expand complex peripherals, such as: LCM/TP/Camera and other peripheral requirements, as well as multi-channel UART/IIC/SPI, which is convenient for users to connect various Sensors, NFC, port scanning, and fingerprint recognition. and other external expansion equipment.

The IoT Smart Module has high computing power and can perform operations such as data encryption and image processing locally, and is widely used in banking or commercial handheld terminals, distance education, portable law enforcement instruments, logistics and transportation industries.

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 IoT Smart Modules 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 IoT Smart Modules market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global IoT Smart Modules 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 IoT Smart Modules 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 IoT Smart Modules 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 IoT Smart Modules

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 IoT Smart Modules 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 Sierra Wireless, Telit, Cavli Wireless, Quectel Wireless Solutions, Sunsea AIoT Technology, Fibocom Wirelessinc, MeiG Smart Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

IoT Smart Modules 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+LGA Package

LGA Package

Others

Market segment by Application

Smart POS

Smart Diagnostics

Smart Security Devices

AI Robots

Others

Major players covered

Sierra Wireless

Telit

Cavli Wireless

Quectel Wireless Solutions

Sunsea AIoT Technology

Fibocom Wirelessinc

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 IoT Smart Modules product scope, market overview, market estimation caveats and base year.

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

Chapter 3, the IoT Smart Modules competitive situation, sales quantity, revenue, and

global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the IoT Smart Modules 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 IoT Smart Modules 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 IoT Smart Modules.

Chapter 14 and 15, to describe IoT Smart Modules sales channel, distributors, customers, research findings and conclusion.

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