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Connectivity Module Market Size, Share & Trends Analysis Report By Connectivity Technology (Cellular Modules, Cellular LPWA Modules, GNSS Modules), By Product, By End Use, By Region, And Segment Forecasts, 2026 - 2033

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Abstracts

The global connectivity module market size was valued at USD 79.73 billion in 2025 and is projected to reach USD 181.86 billion by 2033, growing at a CAGR of 11.0% from 2026 to 2033. The industry is growing rapidly due to the rising demand for seamless wireless communication across devices and industrial systems.

Key technologies driving this growth include cellular (4G/5G/LTE), Wi Fi, Bluetooth, and LPWAN, supporting IoT, automotive, and industrial applications. Adoption is strongest in consumer electronics, smart manufacturing, automotive telematics, and healthcare monitoring. The growing adoption of compact, energy-efficient, and versatile connectivity modules is driving the connectivity module market. Increasing demand for IoT devices across consumer, industrial, and automotive sectors is fueling this trend. Manufacturers are developing modules with multiple LTE bands, eSIM, and flexible interfaces to simplify integration. Single-SKU solutions help reduce inventory and logistics challenges, lowering operational costs.

Faster development cycles and improved device performance are encouraging wider deployment of IoT solutions. Many companies are actively innovating and launching such advanced modules. The market is expanding rapidly due to these evolving connectivity needs. For instance, in January 2026, Fibocom Wireless Inc., a provider of IoT wireless communication modules and AI solutions in China, launched its global LTE Cat.1 bis module, the LE271-GL, offering compact, low-power, and single-SKU connectivity for worldwide IoT applications. The module supports global LTE bands,

multiple interfaces, eSIM, and low-power modes, enabling fast and stable connections, as well as flexible secondary development for diverse IoT deployments.

The connectivity module market is seeing a trend toward ready-to-integrate, pre-certified, and energy-efficient IoT modules, simplifying development and deployment for manufacturers. Many companies are actively developing and launching such modules to reduce regulatory hurdles, lower R&D costs, and enable faster time-to-market, making it easier for OEMs to launch connected devices. Energy-efficient designs extend battery life, improving performance and appeal across consumer, industrial, and automotive applications. Flexible integration options and support for multiple connectivity standards increase the versatility of IoT devices. Local design and production ensure modules meet both domestic and global requirements, supporting wider adoption. For instance, in January 2026, L&T Semiconductor Technologies (LTSCT) entered India's Cellular IoT module market, launching pre-certified 4G modules for smart devices. Based on Qualcomm QCM2290 and enhanced with proprietary firmware, these modules offer power-efficient, reliable connectivity, simplified integration, and faster development cycles for both domestic and global markets.

Increasing demand from both consumers and enterprises is driving the adoption of connected solutions across various sectors. Consumers are seeking smart home devices, wearable technology, and connected appliances that offer convenience, automation, and real-time data access. Enterprises are deploying IoT solutions for industrial automation, asset tracking, logistics, and energy management to improve operational efficiency. The need for seamless connectivity across devices and platforms is creating a strong demand for reliable connectivity modules. Businesses are investing in smart infrastructure, including connected vehicles and smart meters, to enhance productivity and customer experience. The growing adoption of cloud computing and data analytics is fueling the integration of connected devices to deliver real-time insights. Enterprises are also prioritizing scalable, energy-efficient, and pre-certified modules to reduce development time and costs. Consumer demand for personalization, automation, and remote monitoring is further accelerating module adoption.

Global Connectivity Module Market Report Segmentation

This report forecasts revenue growth at global, regional, and country levels and provides an analysis of the latest industry trends and opportunities in each of the sub-segments from 2021 to 2033. For this study, Grand View Research has segmented the global connectivity module market report in terms of connectivity technology, product,

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end use and region.

Connectivity Technology Outlook (Revenue, USD Billion, 2021 - 2033)

Cellular Modules

Cellular LPWA Modules

Non-Cellular LPWAN Modules

Short-Range Modules

GNSS Modules

Product Outlook (Revenue, USD Billion, 2021 - 2033)

Cellular Communication Modules

Wi-Fi Modules

Bluetooth Modules

LPWA Modules

Multi-Protocol Modules

End Use Outlook (Revenue, USD Billion, 2021 - 2033)

Consumer Electronics

Industrial IoT & Automation

Automotive & Telematics

Smart Cities & Infrastructure

Healthcare & Wearables

Regional Outlook (Revenue, USD Billion, 2021 - 2033)

- North America
  - U.S.
  - Canada
  - Mexico
- Europe
  - UK
  - Germany
  - France
- Asia Pacific
  - China
  - Japan
  - India
  - Australia
  - South Korea
- Latin America
  - Brazil
- Middle East & Africa (MEA)
  - KSA
  - UAE

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South Africa

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CHAPTER 8. COMPETITIVE LANDSCAPE

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List Of Tables

LIST OF TABLES

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List Of Figures

LIST OF FIGURES

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