

Global 5G Modems Market Size study, by Modem Type (Internal/Integrated, External) by Mode (Single-Mode, Multimode), by Application (Mobile and Tablets, Wearable, Automotive, Virtual Reality, Others) and Regional Forecasts 2022-2032

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Abstracts

Global 5G Modems Market is valued approximately USD 1221.5 million in 2023 and is anticipated to grow with a healthy growth rate of more than 29.10% over the forecast period 2024-2032. 5G modems are devices that enable smartphones, tablets, and other electronic devices to connect to 5G networks. They serve as the communication gateway between the device and the cellular network, facilitating high-speed data transfer, low latency, and improved network reliability. These modems are designed to support the latest 5G standards, which promise faster download and upload speeds compared to previous generations such as 4G LTE. With the rollout of 5G technology, manufacturers are increasingly integrating these modems into their devices to take advantage of the enhanced connectivity and unlock new possibilities for applications such as augmented reality, virtual reality, and Internet of Things (IoT) devices.

Surge in adoption of connectivity, digital applications, and wearable technology is expected to drive the growth for players in the 5G modems market. Moreover, upgrading existing supporting infrastructure, including modems, towers, and other supporting infrastructure, is projected to present significant opportunities for new players. The 5G modem market growth is expected to drive significant opportunities as the adoption of 5G technology such as 5G modem router, 5G wifi modem and others has received positive signals in several local markets worldwide. Furthermore, emerging applications, business models, and declining device costs have driven IoT adoption, increasing the number of connected devices and endpoints globally. 5G offers massive machine-type communication (mMTC), poised to support billions of network-enabled

devices to be wirelessly connected. Modern communication systems already serve several MTC applications. However, high investment and technological & infrastructure challenges in the implementation of 5G network and privacy and security concern are restraining the market growth, between 2022 and 2032.

The key regions considered for the global 5G Modems market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America was the largest regional market in terms of revenue. North America has been at the forefront of 5G technology development and deployment. Major telecommunications companies in the U.S., such as Verizon, AT&T, and T-Mobile, have been aggressively expanding their 5G networks. Additionally, leading semiconductor companies and technology giants based in North America, including Qualcomm, Intel, and Apple, play a significant role in the development and adoption of 5G modems. The market in Asia Pacific, on the other hand, is expected to develop at the fastest rate over the forecast period.

Major market player included in this report are:

Samsung Electronics Co Ltd
Intel Corporation
Huawei Technologies Co., Ltd
Spreadtrum Communications
MediaTek Inc
Infineon Technologies AG
Nokia Corporation
Qorvo, Inc.
Xilinx Inc.
Qualcomm Technologies

The detailed segments and sub-segment of the market are explained below:

Modem Type:

Internal/Integrated

External

By Mode:

Single-Mode

Multimode

By Application:

Mobile and Tablets

Wearable

Automotive

Virtual Reality

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market

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