

US 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) Forecasts 2022-2032

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Abstracts

US 5G Modems Market is valued approximately USD 334.20 million in 2023 and is anticipated to grow with a healthy growth rate of more than 29.07% over the forecast period 2024-2032. 5G modems are integral components in the architecture of 5G networks, facilitating the exchange of data between devices and the network infrastructure. These modems are specialized chips designed to process and modulate signals to enable communication over 5G wireless frequencies. Functioning as the intermediary between user devices and the cellular network, 5G modems convert digital data into radio waves for transmission and vice versa. They incorporate advanced signal processing techniques and protocols to ensure efficient and reliable data transfer, supporting features such as high data rates, low latency, and increased network capacity characteristic of 5G technology. US carriers are deploying 5G networks using both millimeter-wave (mmWave) and sub-6 GHz frequency bands to provide a balance of coverage and capacity. 5G modems are being designed to support these different frequency bands, enabling devices to connect to 5G networks regardless of the spectrum used by the carrier. Advanced antenna technologies and signal processing techniques are employed to optimize performance in both mmWave and sub-6 GHz bands.

The US government has taken various initiatives to support the deployment of 5G networks and the development of related technologies. Policies aimed at promoting investment in 5G infrastructure, spectrum allocation, and research funding contribute to the growth of the US 5G modems market. Additionally, regulatory reforms and initiatives

to streamline the approval process for 5G deployments facilitate faster market entry for 5G-enabled devices, resulting in market growth. Furthermore, US 5G Modems Market is driven by rising technological advancement and emerging IoT and industry 4.0 applications. However, high deployment cost and security and privacy concerns, on the other hand, would stifle market growth between 2022 and 2032.

Major market player included in this report are:

Qualcomm Incorporated

Intel Corporation

Skyworks Solutions, Inc

Qorvo, Inc.

Company 5

Company 6

Company 7

Company 8

Company 9

Company 10

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

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 Country 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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