

Asia Pacific 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 Country Forecasts 2022-2032

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Abstracts

Asia Pacific 5G Modems Market is valued approximately USD 280.95 million in 2023 and is anticipated to grow with a healthy growth rate of more than 30.87% over the forecast period 2024-2032. 5G modems are key components in enabling devices to connect to 5G networks, the next generation of wireless communication technology. These modems are integrated circuits designed to transmit and receive data over 5G frequencies, providing users with significantly faster and more reliable connectivity compared to previous generations like 4G LTE. 5G modems operate using advanced signal processing techniques and sophisticated algorithms to achieve high data transfer speeds, ultra-low latency, and support for massive device connectivity, making them essential for a wide range of devices, including smartphones, tablets, laptops, IoT devices, and automotive systems. Asia Pacific is a major market for smartphones, with countries such as China, India, and Indonesia are key drivers of smartphone sales. As consumers increasingly demand 5G-enabled smartphones, manufacturers are integrating advanced 5G modems into their devices to capitalize on this trend.

The Asia-Pacific region is home to a significant portion of the global population, including densely populated urban areas. This large and growing consumer base drives demand for smartphones, tablets, and other connected devices equipped with 5G modems to access high-speed internet and data services. Countries in the Asia-Pacific region, particularly China, South Korea, and Japan, have been aggressively deploying 5G networks. China, in particular, has made substantial investments in 5G infrastructure, aiming to become a global leader in 5G technology. The rapid expansion

of 5G networks stimulates the demand for 5G modems to enable devices to connect to these networks. Furthermore, Asia Pacific 5G Modems Market is driven by Expansion of IoT Ecosystem and rising government support for development and deployment of 5G technology. However, high cost associated with deploying 5G networks and concerns around cybersecurity and data privacy, would stifle market growth between 2022 and 2032.

The key Countries considered for the Asia Pacific 5G Modems market study includes China, India, Japan, South Korea, Australia and Rest of Asia Pacific. In 2023, China was the largest regional market in terms of revenue. This leadership is driven by several factors, including the country's substantial investment in 5G infrastructure and technology. The Chinese government has prioritized 5G development as part of its national strategy, providing significant financial support and policy incentives to accelerate deployment. Furthermore, China is home to major telecommunications companies like Huawei and ZTE, which are global leaders in 5G technology and equipment manufacturing. The country also has a large and rapidly growing consumer base for 5G-enabled devices, supported by a robust and competitive electronics manufacturing sector. The market in South Korea, on the other hand, is expected to grow at the fastest rate over the forecast period.

Major market player included in this report are:

Samsung Electronics

MediaTek Inc.

Huawei Technologies Co., Ltd.

Xiaomi Corporation

Realme Mobile Telecommunications

Unisoc Communications, Inc.

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

By Region:

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

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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