

5G Chipset Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/57B2B9BFB125EN.html>

Date: March 2023

Pages: 142

Price: US\$ 2,499.00 (Single User License)

ID: 57B2B9BFB125EN

Abstracts

The global 5G chipset market size reached US\$ 4.1 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 36.0 Billion by 2028, exhibiting a growth rate (CAGR) of 42.3% during 2023-2028.

5G chipset is an integrated circuit (IC) that enables 5G transmission on smartphones, portable hotspots, internet of things (IoT) devices, notebooks, laptops, and personal computers (PC) with mobile network capabilities. It relies on sub-6GHz bands and multiple-in multiple-out (MIMO) antenna systems to deliver a large amount of data and help improve the speed, latency, reliability, and efficiency of 5G networks. As a result, it finds applications in airplanes, high-speed rails, and ships across the globe.

5G Chipset Market Trends:

The rising demand for high-speed internet and large network coverage for multiuser gaming, live streaming and file-sharing represent one of the key factors driving the market. Moreover, several companies are using internet of things (IoT) devices for monitoring machine performance in real-time to minimize the overall downtime and enhance operational efficiency. This, along with the increasing utilization of the internet of things (IoT) in developing smart cities, infrastructure and grid projects around the world, is propelling the growth of the market. In addition, there is a surge in videoconferencing, live streaming, telemedicine and business applications due to coronavirus diseases (COVID-19) outbreak and consequent reliance on distant learning worldwide. This, in turn, is positively influencing the market. Besides this, the growing use of 5G chipsets in vehicle-to-vehicle (V2V), vehicle-to-infrastructure (V2I), vehicle-to-pedestrian (V2P), and vehicle-to-network (V2N) is stimulating the market growth. Some of the other growth-inducing factors are technological advancements in automated driving, digital logistics, and the immense popularity of artificial intelligence (AI) and

machine learning (ML). Furthermore, key market players are extensively investing in research and development (R&D) activities for developing cost-effective software-defined network and network function virtualization, which is projected to bolster the growth of the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global 5G chipset market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on chipset type, operational frequency and end user.

Breakup by Chipset Type:

- Application-specific Integrated Circuits (ASIC)
- Radio Frequency Integrated Circuit (RFIC)
- Millimeter Wave Technology Chips
- Field-programmable Gate Array (FPGA)

Breakup by Operational Frequency:

- Sub 6GHz
- Between 26 and 39 Ghz
- Above 39 Ghz

Breakup by End User:

- Consumer Electronics
- Industrial Automation
- Automotive and Transportation
- Energy and Utilities
- Healthcare
- Retail
- Others

Breakup by Region:

- North America
- United States
- Canada

Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Broadcom Inc, Huawei Technologies Co., Ltd., Infineon Technologies Ag, Intel Corporation, Mediatek Inc, Nokia Corporation, Qorvo, Qualcomm Technologies, Inc., Samsung Electronics Co. Ltd. and Xilinx Inc.

Key Questions Answered in This Report

1. What was the size of the global 5G chipset market in 2022?
2. What is the expected growth rate of the global 5G chipset market during 2023-2028?
3. What are the key factors driving the global 5G chipset market?
4. What has been the impact of COVID-19 on the global 5G chipset market?
5. What is the breakup of the global 5G chipset market based on the chipset type?
6. What is the breakup of the global 5G chipset market based on the operational frequency?
7. What is the breakup of the global 5G chipset market based on end user?
8. What are the key regions in the global 5G chipset market?

9. Who are the key players/companies in the global 5G chipset market?

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