

Global 5G Chipset Market Is Anticipated To Hit Around USD 15.1 Billion By 2025 - Zion Market Research

Global 5G Chipset Market expected to reach approximately USD 15.1 billion by 2025, at a CAGR of 49.3% between 2019 and 2025

NEW YORK, NEW YORK, UNITED STATES, February 20, 2020 /EINPresswire.com/ -- Zion Market Research has published a new report titled "[5G Chipset Market](#) By Frequency (Sub-6 GHz, Between 26 and 39 GHz, 39 GHz and Above), By Component (MM Wave IC, RFIC, Cellular IC, and ASIC), By Application (Customer Premises Equipment, 5G Devices, and Network & Infrastructure Equipment), and By End-Use (Consumer Electronics, Safety & Surveillance, Energy & Utilities, Automotive & Transportation, Retail, and Healthcare): Global Industry Perspective, Comprehensive Analysis, and Forecast, 2018–2025". According to the report, the global 5G chipset market was USD 0.9 billion in 2018 and is expected to reach approximately USD 15.1 billion by 2025, at a CAGR of 49.3% between 2019 and 2025.



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Chipsets are designed to maintain data flow between memory peripherals, microprocessor, and other electronic components. The constant need for cellular advancement has led to the invention of 5G chipsets. These 5G chipsets are technically designed by advancing each feature of 4G chipsets, such as speed, latency, architecture, and deployment. Even though numerous enterprises have started deploying 5G chipsets, it is still in its emerging state in most parts of the world.

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Advanced features offered by 5G chips, such as high speed, low latency, and high bandwidth, has immensely contributed to accelerating the global 5G chipset market. Compared to 4G, where the download speed is 1GB (gigabytes), 5G chips are expected to offer a download speed ranging between 1 and 10 GB. Furthermore, 5G chips are designed to offer the lowest latency of 1 ms or below, which not only increases the speed but drastically reduces the response time of data transfer. Compared to 4G chips that operate in the insufficient bandwidth of 200 Mbps, 5G chips can operate in 5 times more bandwidth of 1gbps. However, 4G chips have been diversely implemented worldwide in recent years only, and its immediate replacement by 5G chips will immensely increase the designing and hardware costs.

Moreover, the 5G chips are designed offering other advanced technical features, such as machine type communication meeting all IoT application requirements. The rising number of IoT connections acts as a growth driver and is anticipated to create enormous opportunities for the 5G chipset market in the upcoming years. Furthermore, in comparison to 4G chips, 5G chips are well-equipped and effectively designed to handle a large number of IoT-connected devices simultaneously.

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The 5G chipset market is divided on the basis of frequency, component, application, and end-use. Based on frequency, the market includes between 26 and 39 GHz, 39 GHz and above, and sub-6 GHz. The sub-6 GHz is anticipated to account for the maximum market share, as this spectrum range is widely available for access and effectively handle dynamic data traffic conditions. By component, the market includes MM-Wave IC, cellular IC, ASIC, and RFIC. The MM-Wave segment is estimated to be the fastest-growing segment, as numerous telecom services providers are attracted to the high bandwidth facility offered by this spectrum.

The application segment comprises 5G devices, network infrastructure equipment, and customer premises equipment. The 5G devices segment is forecasted to be a significant shareholder, owing to its growing implementation in 5G-enabled smartphones. The end-user segment includes consumer electronics, safety and surveillance, energy and utilities, automotive and transportation, retail, and healthcare. The flourishing demand for 5G-enabled devices like laptops, tablets, and smartphones is driving the consumer electronics segment. The automotive and transportation segment is estimated to grow substantially, owing to numerous 5G chipset applications like V2P, V2N, and V2P.

Being one of the leading areas of 5G R&D has anticipated North America to be the largest shareholder in the 5G chipset market globally. Furthermore, the rising demand for advanced technologies in the U.S., such as machine-to-machine communication, artificial intelligence, and connected cars immensely contributes to the market.

Some major players of the 5G chipset market are Huawei, Intel, MediaTek, Qualcomm, Xilinx, Samsung Electronics, Integrated Device Technology, IBM, Nokia, Infineon Technologies, Anokiwave, and Qorvo.

This report segments the global 5G chipset market into:

5G Chipset Market: Frequency Analysis

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

5G Chipset Market: Component Analysis

- MM Wave IC
- RFIC
- Cellular IC
- ASIC

5G Chipset Market: Application Analysis

- Customer Premises Equipment
- 5G Devices
- Network Infrastructure Equipment

5G Chipset Market: End-Use Analysis

Consumer Electronics
Safety and Surveillance
Energy and Utilities
Automotive and Transportation
Retail
Healthcare

5G Chipset Market: Regional Analysis

North America
The U.S.
Europe
UK
France
Germany
Asia Pacific
China
Japan
India
Latin America
Brazil
The Middle East and Africa

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