

Global Radio Frequency Integrated Circuit (RFIC) Market Size study, by Product (RF Transceivers IC, RF Amplifiers IC, RF Modulators/Demodulators IC, RF Mixers/Multipliers IC, RF Switch IC, Others) by Application (Consumer Electronics, Telecommunication, Automotive, Media & Broadcasting, Medical Devices, Industrial Electronics, Others) and Regional Forecasts 2021-2027

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Abstracts

Global Radio Frequency Integrated Circuit (RFIC) Market is valued approximately USD 19.72 million in 2020 and is anticipated to grow with a healthy growth rate of more than 7.8 % over the forecast period 2021-2027. A radio frequency integrated circuit (RFIC) is a chip that transmits and receives radio waves. Cellphones, Wi-Fi devices, wireless routers, wireless base stations, telephones, satellite transceivers, and microwave equipment all contain these chips. Smartphones often feature several radios that handle cellular voice and data, GPS, and Wi-Fi. RFICs are found in the majority of these radios. Electronic devices that provide operations like amplification, frequency conversion, and signal filtering commonly employ RFICs. Consumer electronics, automotive, government and defence, and others are among the vertical categories. The rising deployment of next-generation Long-Term Evolution (LTE) wireless networks is one of the key reasons driving the rise of radio frequency integrated circuit manufacturing. Electronic device and semiconductor makers have been obliged to deploy additional RFICs due to the increasing global penetration of LTE networks. The adoption of 5G-enabled services will be aided by a large growth in the number of smartphone users throughout the world. As a result, the widespread acceptance of sophisticated applications such as augmented reality, the Internet of Things (IoT), driverless cars, and

other technical advancements is expected to propel the RFIC market forward. STMicroelectronics, for example, bought SOMOS Semiconductor, a power amplifier and RF front-end-module specialist, in October 2020. ST strengthens its expert team, IP, and front-end module roadmaps for the IoT and 5G industries with this purchase. Due to an increase in the number of consumer electronic gadgets in various nations across the world, the RFIC industry is rapidly expanding. Increases in the number of internet users and communications devices in countries such as China, India, Brazil, and Japan are factors driving RFIC product demand. QUALCOMM Incorporated, for example, partnered with Huawei Technologies Co., Ltd., a Chinese multinational networking, telecommunications equipment, and services supplier, in March 2018. The main goal of this collaboration was to create improved wireless technology. However, demand from end users for RFICs with low power consumption, higher performance, and smaller size ICs impedes the growth of the market over the forecast period of 2021-2027. Although, Advanced Packaging Technologies for RFIC presents a lucrative opportunity for the market.

The regional analysis of global Radio Frequency Integrated Circuit (RFIC) market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. Asia Pacific is the leading region across the world in terms of market share owing to the large-scale manufacturing base in the region, specially China. Whereas, Asia-Pacific is also anticipated to exhibit the highest growth rate over the forecast period as rapidly increasing penetration of IoT would create lucrative growth prospects for the Radio Frequency Integrated Circuit (RFIC) market across Asia-Pacific region.

Major market player included in this report are:

Infineon Technologies AG

Analog Devices, Inc.

Texas Instruments

NXP Semiconductors

STMicroelectronics

Renesas Electronics

Microchip Technology Inc.

Silicon Labs

Skyworks Solutions, Inc.

Samsung

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within

each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product:

RF Transceivers IC

RF Amplifiers IC

RF Modulators/Demodulators IC

RF Mixers/Multipliers IC

RF Switch IC

Others

By Application:

Consumer Electronics

Telecommunication

Automotive

Media & Broadcasting

Medical Devices

Industrial Electronics

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
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019
Base year – 2020
Forecast period – 2021 to 2027

Target Audience of the Global Radio Frequency Integrated Circuit (RFIC) Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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