

Global Mixed Signal IC Market Size study by Type (Mixed Signal SoC, Microcontroller, and Data Converter) and End Use (Consumer Electronics, Medical & Healthcare, Telecommunication, Automotive, and Military & Defense) and Regional Forecasts 2020-2027

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# **Abstracts**

Global Mixed Signal IC Market is valued approximately USD 94.10billion in 2019 and is anticipated to grow with a healthy growth rate of more than 6.6 % over the forecast period 2020-2027. A mixture of analog and digital ICs is a mixed signal IC. An integrated circuit that has both analog and digital circuits on a single semiconductor die is a mixed signal IC. Mixed signal ICs are commonly used for applications in consumer electronics. Thus, the development of mixed signal ICs has increased the penetration of cell phones and other portable electronic devices significantly. Due to the rapid growth of consumer electronics, telecommunications, and other industries, the use of mixed signal ICs in cell phones and electronic devices is on the rise. Further, there is a massive market for 5G technology for high frequency switching circuits. In mixed signal ICs, these switching circuits are used more frequently. Also, as per statista, In 2020, consumer electronics applications are forecast to make up about 22.6 percent of the global 5G infrastructure market. The popularity of mixed signal ICs has been enhanced by the introduction of 5G technology and other wireless technologies. The losses and distortions increase at higher frequencies. This generates the need for specific methods that are available in mixed signal ICs. In addition, in the consumer electronics industry, mixed signal IC markets find large applications, where they are deployed in cell phones, led drivers, laptops, notebooks, and other electronic devices. For Instance: Mixed signal ICs are used for analyzing and measuring instruments such as spectrum analyzers, optical oscilloscopes, precision measurement, and weighing. Mixed signal ICs enable



manufacturers to design high-precision components and devices in the electronics industry, which are in high demand from OEMs. As the data processing rate is high while retaining increased precision, the role of mixed signal ICs in test and measurement systems is important. Mixed signal ICs often allow analog signals to be converted into a digital image/signal that assists in accurate decision-making which further leads to create more demand for Global Mixed Signal IC Market. However, designing and manufacturing difficulty impedes the growth of the market over the forecast period of 2020-2027. Also, with the increasing prevalence of injuries, the adoption & demand for Mixed Signal IC is likely to increase thus, creates an opportunity for the market.

The regional analysis of global Mixed Signal IC 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/significant region across the world in terms of market share owing to the broad customer base in the developing countries of the region for consumer electronic devices such as smart TVs and smartphones and the presence of major suppliers of electronic devices are driving the growth of the market in this region. Whereas, North America is also anticipated to exhibit highest growth rate / CAGR over the forecast period 2020-2027. Factors such as rising disposable income, and increasing demand for Mixed Signal IC would create lucrative growth prospects for the Mixed Signal IC market across the region.

Major market player included in this report are: Analog Devices Broadcom Inc. Cypress Semiconductor Corporation Dialog Semiconductor Ensilica Ltd. NXP Semiconductor Renesas Electronics Corporation STMicroelectronics Telephonics Corporation Texas Instrument.

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 Type:

Mixed Signal SoC Microcontroller **Data Converter** By End Use: **Consumer Electronics** Medical & Healthcare Telecommunication Automotive Military & Defense 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 – 2017, 2018 Base year – 2019 Forecast period – 2020 to 2027

Target Audience of the Global Mixed Signal IC 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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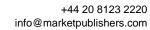
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