

Europe ASIC Chip Market (2019-2025)

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Abstracts

The Europe ASIC Chip Market would witness market growth of 7.5% CAGR during the forecast period (2019-2025).

The main advantage offered by the ASIC chip is that it minimizes the size of a chip as it allows the various functions of a circuit to be performed over a single chip. It comprises a 32-bit microprocessor, a memory block, and a network circuit. This form of ASICs is known as the Chip Model. With the improvement of manufacturing and research technology, ASIC chips are versatile enough to provide low programming versatility.

It is further expected that the increasing use of application-specific integrated circuits in consumer electronics and several industrial and automotive applications will drive the market forward. Especially for a specific application or function, an application-specific integrated circuit (ASIC) is developed. An ASIC provides better performance compared to a logic system or an integrated standard logic circuit since it is designed specifically for a particular application. It is also reduced and less electricity is used.

The rise of IoT devices is another factor driving the market. Such circuits are also used for applications like automotive emission control and, environmental monitoring, among others, personal digital assistants. Since the application-specific integrated circuits are capable of incorporating both analog and logic functions, they allow a complete system to be built on a single chip that is expected to fuel market growth.

Based on Application, the market is segmented into Data Processing Systems, Consumer Electronics, Telecommunication Systems, Aerospace Subsystem & Sensors, Medical Instrumentation and Others. Based on Type, the market is segmented into Semi- Based Custom, Programmable Logic Devices and Others. Based on countries, the market is segmented into Germany, UK, France, Russia, Spain, Italy, and Rest of Europe.

The market research report covers the analysis of key stake holders of the market. Key companies profiled in the report include Advanced Micro Devices, Inc., Samsung Electronics Co., Ltd. (Samsung Group), ON Semiconductor Corporation, Xilinx, Inc., Taiwan Semiconductor Manufacturing Company Limited (TSMC), Intel Corporation, Infineon Technologies AG, Bitmain Technologies Holding Company, Nvidia Corporation, and Texas Instruments, Inc.

Scope of the Study

Market Segmentation:

By Application

Data Processing Systems

Consumer Electronics

Telecommunication Systems

Aerospace Subsystem & Sensors

Medical Instrumentation

Others

By Type

Semi- Based Custom

Programmable Logic Devices

Others

By Country

Germany

UK

France

Russia

Spain

Italy

Rest of Europe

Companies Profiled

Advanced Micro Devices, Inc.

Samsung Electronics Co., Ltd. (Samsung Group)

ON Semiconductor Corporation

Xilinx, Inc.

Taiwan Semiconductor Manufacturing Company Limited (TSMC)

Intel Corporation

Infineon Technologies AG

Bitmain Technologies Holding Company

Nvidia Corporation

Texas Instruments, Inc.

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