

Application Specific IC (ASIC) Market 2017 Global Share, Trend, Segmentation and Forecast to 2021

The analysts forecast the global application specific IC market to grow at a CAGR of 17.01% during the period 2017-2021.

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[Global Application Specific IC \(ASIC\) Market](#)

Description

ASIC is a microchip, designed for a specific application or purpose. ASICs are manufactured with custom designs as per the device configuration or end-user specification. The different microprocessors and memory cores are being included in an ASIC, which enables the limited software programmability with the software algorithm performed on the device. An ASIC is found in all the electronic devices, and its uses can range from custom rendering of images to sound conversion. Digital circuits are a common form of ASIC.

Covered in this report

The report covers the present scenario and the growth prospects of the global application specific IC market for 2017-2021. To calculate the market size, the report estimates include the sales of ASICs in several products, including augmented reality (AR) and VR, automobiles, laptops, PC monitors, smart bands, smartphones, smartwatches, tablets, and TVs.

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The market is divided into the following segments based on geography:

- Americas
- APAC



- EMEA

The Global Application Specific IC Market 2017-2021, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.

Key vendors

- Analog Devices
- Infineon Technologies
- STMicroelectronics
- Texas Instruments

Other prominent vendors

- Linear Technology
- Maxim Integrated
- NXP Semiconductors
- ON Semiconductors
- Renesas Electronics
- Skyworks Solutions

Market driver

- Increased use in consumer electronics.
- For a full, detailed list, view our report

Market challenge

- Fluctuations in foreign currency.
- For a full, detailed list, view our report

Market trend

- Rising penetration of ASICs in electric vehicles.
- For a full, detailed list, view our report

Key questions answered in this report

- What will the market size be in 2021 and what will the growth rate be?
- What are the key market trends?
- What is driving this market?
- What are the challenges to market growth?
- Who are the key vendors in this market space?
- What are the market opportunities and threats faced by the key vendors?
- What are the strengths and weaknesses of the key vendors?

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- Growth prospects in IoT and big data
- Rising penetration of ASICs in electric vehicles
- Growth of ICs in VR, drones, and robotics
- Shifting from aluminum to copper interconnections

PART 13: Vendor landscape

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- Analog Devices
- Infineon Technologies
- STMicroelectronics
- Texas Instruments
- Other prominent vendors

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CONTACT US :

NORAH TRENT

Partner Relations & Marketing Manager

sales@wiseguyreports.com

www.wiseguyreports.com

Ph: +1-646-845-9349 (US)

Ph: +44 208 133 9349 (UK)

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Norah Trent

WiseGuy Research Consultants Pvt. Ltd.

+1 646 845 9349 / +44 208 133 9349

[email us here](#)

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