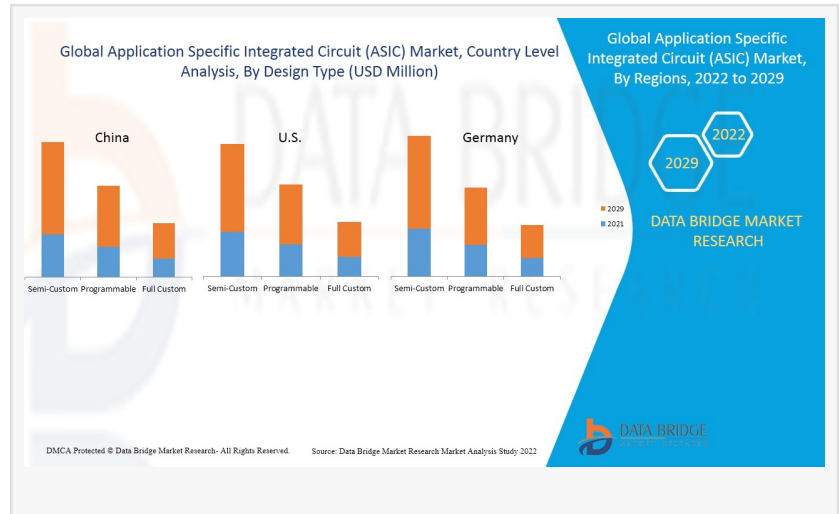


Application Specific Integrated Circuit (ASIC) Market to Reach USD 30,092.96 Million By 2029, Says DBMR Study

Application Specific Integrated Circuit (ASIC) Market Opportunities, Trends, Regional Analysis, Size, Key Players and Forecast 2029

PUNE, MAHARASHTRA, INDIA, June 28, 2022 /EINPresswire.com/ -- The [Global Application Specific Integrated Circuit \(ASIC\) Market](#) 2022 published by Data Bridge Market Research takes a comprehensive approach towards studying the key trends influencing the growth of this sector. The research focuses on the changes and progress in the business context due to the recent COVID-19 pandemic. The report evaluates key aspects of the sector to predict the impact of the pandemic on the growth of the market.



The most advanced tools and techniques are applied to produce this [Application Specific Integrated Circuit \(ASIC\)](#) report which gives the best experience to the business and the user. This [Application Specific Integrated Circuit \(ASIC\) market](#) study also evaluates the market status, market share, growth rate, sales volume, future trends, market drivers, market restraints, revenue generation, opportunities and challenges, risks and entry barriers, sales channels, and distributors. This market report potentially endows you with the numerous insights and business solutions that will assist you stay ahead of the competition. The competitive landscape section of the report provides a clear insight into the market share analysis and actions of key industry players.

The Application Specific Integrated Circuit (ASIC) market report endows with an exhaustive overview of product specification, technology, product type and production analysis considering major factors such as revenue, costing, and gross margin. Application Specific Integrated Circuit (ASIC) report also studies the market status, market share, growth rate, future trends, market drivers, opportunities and challenges, risks and entry barriers, sales channels, and distributors with the Porter's Five Forces analysis. Thus, the transparent, trustworthy and extensive market

information and data included in this report will definitely help develop business and improve return on investment (ROI). The market drivers and restraints have been described thoroughly using SWOT analysis.

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Application specific integrated circuit (ASIC) market is expected to gain market growth in the forecast period of 2022 to 2029. Data Bridge Market Research analyses that the market is growing with the CAGR of 8.1% in the forecast period of 2022 to 2029 and expected to reach USD 30,092.96 million by 2029.

An application-specific integrated circuit (ASIC) is an IC chip that is tailored to a specific application rather than being designed for broad usage. An ASIC is, for example, a chip that runs in a digital voice recorder or a high-efficiency video encoder (such as AMD VCE). Application-specific standard product (ASSP) chips are a middle ground between ASICs and industry-standard integrated circuits such as the 7400 or 4000 series. As MOS integrated circuit chips, ASIC chips are generally produced using metal-oxide-semiconductor (MOS) technology. The greatest complexity (and hence usefulness) available in an ASIC has expanded from 5,000 logic gates to over 100 million as feature sizes have dropped and design tools have improved over time. Microprocessors, memory blocks such as ROM, RAM, EEPROM, flash memory, and other significant building blocks are frequently included in modern ASICs. A SoC is a common moniker for such an ASIC (system-on-chip). A hardware description language (HDL), such as Verilog or VHDL, is frequently used by designers of digital ASICs to define the functioning of ASICs.

The major factors driving the growth of the application specific integrated circuit (ASIC) market are growing demand for smartphones and tablets and increasing demand from smart consumer devices. Utilizing ASIC technologies for powering AI and upsurge in adoption of mechatronics for automotive applications is creating opportunities for the growth of the market. ASICs vulnerability towards security attacks/cyber-attacks is acting as the major restraint for application specific integrated circuit (ASIC) market. Complexity involved in designing and fabrication of application specific circuits is acting as a major challenge for the growth of the market.

Our research and insights help our clients in identifying compatible business partners.

This Application Specific Integrated Circuit (ASIC) market research report also provides an analytical measurement of the main challenges faced by the business currently and in the upcoming years. Market analysis, market definition, currency and pricing, key developments and market categorization along with detailed research methodology are the key factors of this market report. The market analysis of Application Specific Integrated Circuit (ASIC) market report provides an examination of various market segments that are supposed to witness the fastest

development amid the estimated forecast frame. The Application Specific Integrated Circuit (ASIC) report presents the data and information for actionable, most modern and real-time market insights which makes it easy to go for critical business decisions.

Competitor Analysis:

The global Application Specific Integrated Circuit (ASIC) market report gives information about key market players.

Key players revenues in global Application Specific Integrated Circuit (ASIC) market, (US\$ Mn)

Major company's revenues share in global Application Specific Integrated Circuit (ASIC) market, (%)

The report delivers trends, barriers, as well as challenges that could affect the development of the global Application Specific Integrated Circuit (ASIC) market.

Leading players of Application Specific Integrated Circuit (ASIC) Market include:

Texas Instruments Incorporated, Analog Devices, Inc., Renesas Electronics Corporation, Honeywell International Inc., Maxim Integrated, Lattice Semiconductor, Microchip Technology Inc., QuickLogic Corporation, Avnet Asic Israel Ltd., Cobham Limited, Socionext Inc., Semiconductor Components Industries, LLC, NXP Semiconductors, Qualcomm Technologies, Inc., MegaChips Corporation, EnSilica, Intel Corporation, Infineon Technologies AG, Xilinx, Achronix Semiconductor Corporation, GOWIN Semiconductor among others.

We can add or profile new company as per client need in the report. Final confirmation to be provided by research team depending upon the difficulty of survey.

Read Detailed Index of full Research Study @

<https://www.databridgemarketresearch.com/reports/global-application-specific-integrated-circuit-asic-market>

Global Application Specific Integrated Circuit (ASIC) Market Scope and Market Size

Application specific integrated circuit (ASIC) market is segmented on the basis of design type, programming technology and application. The growth among segments helps you analyse niche pockets of growth and strategies to approach the market and determine your core application areas and the difference in your target markets.

Based on design type, the global application specific integrated circuit (ASIC) market is segmented into semi-custom, programmable and full custom. In 2022, semi-custom is expected to dominate in design type segment as with rapid adoption AI technologies and advanced sensor

capabilities in autonomous vehicle or smart vehicle is hoisting the adoption of semi-custom ASIC design types. These semi-custom chips are broadly used as offer various feature such as less complexity, easy tailor/design, cost effective, better electrical performance, provide good control and other, therefore it is leading the market.

Based on programming technology, the global application specific integrated circuit (ASIC) market is segmented into static RAM, antifuse, EEPROM, EPROM and others. In 2022, static-RAM is expected to dominate the programming technology segment as these RAM's are widely used in high-speed registers, caches and used in graphics card. Due to upsurge in demands for cellular, IoT, AI, and big data analytics devices is heaving the adoption of static-RAM in such technologies, therefore it is dominating the market.

Based on application, the global application specific integrated circuit (ASIC) market is segmented into consumer electronics, IT & telecommunication, data center & computing, medical, industrial, automotive and multimedia. In 2022, consumer electronics is expected to dominate the application segment of the market as with constant advancement in technology various new consumer electronics are out in the market which are adopted by the consumer. This wide adoption is encouraging semiconductor companies to constantly develop innovative and up-to-date consumer products. Some of the widely used consumer electronic devices in trend are notebooks, tablets, headphones, TVs, and smart wearables, this in fact is major reason for the dominance in the market.

Application Specific Integrated Circuit (ASIC) Market Study Objectives

**To analyse and research the global Application Specific Integrated Circuit (ASIC) market status and future forecast, involving, production, revenue, consumption, historical and forecast

**To present the key Instant Application Specific Integrated Circuit (ASIC) Players, production, revenue, market share, and recent development

**To split the breakdown data by regions, product type, manufacturers and distribution channel

**To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints and risks

**To identify significant trends, drivers, influence factors in global and regions

**To analyze competitive landscape such as expansions, agreements, new product launches, and acquisitions in the market

Regional analysis includes:

North America

S.
Canada
Mexico

Europe

Germany
K.
Italy
France
BENELUX
Rest of Europe

Asia Pacific

China
India
Japan
South Korea
Rest of APAC

Latin America

Brazil
Rest of LATAM

Middle East & Africa

Saudi Arabia
A.E.
South Africa
Rest of MEA

In 2022, Asia-Pacific is anticipated to dominate the global application-specific integrated circuit (ASIC) market with a market share of 36.48% as the region has strong presence of major semiconductor manufacturing hub in developing countries such as China, Japan and South Korea. Also, China produces the most number of chips globally. Moreover, increasing penetration of smartphones, increasing demand for energy-efficient devices, increasing penetration of high-tech gadgets, development of automotive electronics, increased requirement of miniaturization, growing digitization, economic development, rapid industrialization is some of the factors which will continue to positively impact the demand for ASIC in the Asia-Pacific

region.

China accounted for maximum share in the application specific integrated circuit (ASIC) market as it is the highest chip producing country globally. U.S. has large number of local players. Germany has witnessed high growth due to large number of adoption of application specific integrated circuit (ASIC) in the region.

The Full Report Includes

Executive Summary

Report Structure

Application Specific Integrated Circuit (ASIC) Market Characteristics

Application Specific Integrated Circuit (ASIC) Market Product Analysis

Application Specific Integrated Circuit (ASIC) Market Supply Chain

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Key Mergers And Acquisitions In The Application Specific Integrated Circuit (ASIC) Market

Market Background: Application Specific Integrated Circuit (ASIC) Market

Recommendations

Appendix

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Key Questions Answered in the Report:

What will be the expected revenue growth of the Application Specific Integrated Circuit (ASIC) Market?

What key factors are expected to drive revenue growth of the market?

What are the key drivers, restraints, opportunities, threats, and challenges the market will face in the coming years?

Which segment and region are expected to account for largest share in the market in the forecast period?

Which companies are operating in the Application Specific Integrated Circuit (ASIC) Market?

What are the key outcomes of SWOT analysis and Porter's Five Forces analysis?

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About Data Bridge Market Research, Private Ltd

Data Bridge Market Research Pvt Ltd is a multinational management consulting firm with offices in India and Canada. As an innovative and neoteric market analysis and advisory company with unmatched durability level and advanced approaches. We are committed to uncover the best consumer prospects and to foster useful knowledge for your company to succeed in the market.

Data Bridge Market Research is a result of sheer wisdom and practice that was conceived and built-in Pune in the year 2015. The company came into existence from the healthcare department with far fewer employees intending to cover the whole market while providing the best class analysis. Later, the company widened its departments, as well as expands their reach by opening a new office in Gurugram location in the year 2018, where a team of highly qualified personnel joins hands for the growth of the company. "Even in the tough times of COVID-19 where the Virus slowed down everything around the world, the dedicated Team of Data Bridge Market Research worked round the clock to provide quality and support to our client base, which also tells about the excellence in our sleeve."

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