

2018-2023 Global Next Generation Integrated Circuit Market Report (Status and Outlook)

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Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

In this report, LP Information studies the present scenario (with the base year being 2017) and the growth prospects of global Next Generation Integrated Circuit market for 2018-2023.

An integrated circuit or monolithic integrated circuit is a set of electronic circuits on one small flat piece (or 'chip') of semiconductor material, normally silicon. The integration of large numbers of tiny transistors into a small chip results in circuits that are orders of magnitude smaller, cheaper, and faster than those constructed of discrete electronic components. The IC's mass production capability, reliability and building-block approach to circuit design has ensured the rapid adoption of standardized ICs in place of designs using discrete transistors. ICs are now used in virtually all electronic equipment and have revolutionized the world of electronics. Computers, mobile phones, and other digital home appliances are now inextricable parts of the structure of modern societies, made possible by the small size and low cost of ICs.

In 2017, Intel accounted for over one-third of the world's semiconductor R&D, or \$13 billion, to ensure that their leading position in next generation integrated circuits.

Artificial Intelligence-related computing tasks will permeate virtually all data-rich processes over the next decade. Intel are inventing technologies and open software tools that will advance the nascent AI ecosystem, making it possible to gain insight, anticipate needs and continuously learn from data at enterprise scale.

Over the next five years, LPI(LP Information) projects that Next Generation Integrated Circuit will register a xx% CAGR in terms of revenue, reach US\$ xx million by 2023, from US\$ xx million in 2017.

This report presents a comprehensive overview, market shares and growth opportunities of Next Generation Integrated Circuit market by product type, application, key companies and key regions.

To calculate the market size, LP Information considers value generated from the sales of the following segments:

Segmentation by product type:

Analog

Digital

Segmentation by application:

Personal Electronics

Big Data

Internet of Things

Artificial Intelligence

We can also provide the customized separate regional or country-level reports, for the following regions:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

The report also presents the market competition landscape and a corresponding detailed analysis of the major players in the market. The key players covered in this report:

Intel

Qualcomm

Analog Devices

Texas Instruments

On Semiconductors

Nxp Semiconductor

Atmel

Boeing

Stmicroelectronics

Nec Corporation

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key players and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

Research objectives

To study and analyze the global Next Generation Integrated Circuit market size by key regions/countries, product type and application.

To understand the structure of Next Generation Integrated Circuit market by identifying its various subsegments.

Focuses on the key global Next Generation Integrated Circuit players, to define, describe and analyze the value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Next Generation Integrated Circuit with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the size of Next Generation Integrated Circuit submarkets, with respect to key regions (along with their respective key countries).

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

To strategically profile the key players and comprehensively analyze their growth strategies.

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Research Objectives
- 1.3 Years Considered
- 1.4 Market Research Methodology
- 1.5 Economic Indicators
- 1.6 Currency Considered

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Next Generation Integrated Circuit Market Size 2018-2023
 - 2.1.2 Next Generation Integrated Circuit Market Size CAGR by Region
- 2.2 Next Generation Integrated Circuit Segment by Type
 - 2.2.1 Analog
 - 2.2.2 Digital
- 2.3 Next Generation Integrated Circuit Market Size by Type
 - 2.3.1 Global Next Generation Integrated Circuit Market Size Market Share by Type (2018-2023)
 - 2.3.2 Global Next Generation Integrated Circuit Market Size Growth Rate by Type (2018-2023)
- 2.4 Next Generation Integrated Circuit Segment by Application
 - 2.4.1 Personal Electronics
 - 2.4.2 Big Data
 - 2.4.3 Internet of Things
 - 2.4.4 Artificial Intelligence
- 2.5 Next Generation Integrated Circuit Market Size by Application
 - 2.5.1 Global Next Generation Integrated Circuit Market Size Market Share by Application (2018-2023)
 - 2.5.2 Global Next Generation Integrated Circuit Market Size Growth Rate by Application (2018-2023)

3 NEXT GENERATION INTEGRATED CIRCUIT KEY PLAYERS

- 3.1 Date of Key Players Enter into Next Generation Integrated Circuit
- 3.2 Key Players Next Generation Integrated Circuit Product Offered

- 3.3 Key Players Next Generation Integrated Circuit Funding/Investment Analysis
- 3.4 Funding/Investment
 - 3.4.1 Funding/Investment by Regions
 - 3.4.2 Funding/Investment by End Industry
- 3.5 Key Players Next Generation Integrated Circuit Valuation & Market Capitalization
- 3.6 Key Players Mergers & Acquisitions, Expansion Plans
- 3.7 Market Ranking
- 3.8 New Product/Technology Launches
- 3.9 Partnerships, Agreements, and Collaborations
- 3.10 Mergers and Acquisitions

4 NEXT GENERATION INTEGRATED CIRCUIT BY REGIONS

- 4.1 Next Generation Integrated Circuit Market Size by Regions
- 4.2 Americas Next Generation Integrated Circuit Market Size Growth
- 4.3 APAC Next Generation Integrated Circuit Market Size Growth
- 4.4 Europe Next Generation Integrated Circuit Market Size Growth

5 AMERICAS

- 5.1 Americas Next Generation Integrated Circuit Market Size by Countries
- 5.2 Americas Next Generation Integrated Circuit Market Size by Type
- 5.3 Americas Next Generation Integrated Circuit Market Size by Application
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Key Economic Indicators of Few Americas Countries

6 APAC

- 6.1 APAC Next Generation Integrated Circuit Market Size by Countries
- 6.2 APAC Next Generation Integrated Circuit Market Size by Type
- 6.3 APAC Next Generation Integrated Circuit Market Size by Application
- 6.4 China
- 6.5 Japan
- 6.6 Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia

6.10 Key Economic Indicators of Few APAC Countries

7 EUROPE

7.1 Europe Next Generation Integrated Circuit by Countries

7.2 Europe Next Generation Integrated Circuit Market Size by Type

7.3 Europe Next Generation Integrated Circuit Market Size by Application

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

7.9 Key Economic Indicators of Few Europe Countries

8 MARKET DRIVERS, CHALLENGES AND TRENDS

8.1 Market Drivers and Impact

8.1.1 Growing Demand from Key Regions

8.1.2 Growing Demand from Key Applications and Potential Industries

8.2 Market Challenges and Impact

8.3 Market Trends

8.4 Market Ecosystem and Roles

9 KEY INVESTORS IN NEXT GENERATION INTEGRATED CIRCUIT

9.1 Company A

9.1.1 Company A Company Details

9.1.2 Company Description

9.1.3 Companies Invested by Company A

9.1.4 Company A Key Development and Market Layout

9.2 Company B

9.2.1 Company B Company Details

9.2.2 Company Description

9.2.3 Companies Invested by Company B

9.2.4 Company B Key Development and Market Layout

9.3 Company C

9.3.1 Company C Company Details

9.3.2 Company Description

9.3.3 Companies Invested by Company C

- 9.3.4 Company C Key Development and Market Layout
- 9.4 Company D
 - 9.4.1 Company D Company Details
 - 9.4.2 Company Description
 - 9.4.3 Companies Invested by Company D
 - 9.4.4 Company D Key Development and Market Layout

...

10 KEY PLAYERS ANALYSIS

- 10.1 Intel
 - 10.1.1 Company Details
 - 10.1.2 Next Generation Integrated Circuit Product Offered
 - 10.1.3 Intel Next Generation Integrated Circuit Market Size
 - 10.1.4 Main Business Overview
 - 10.1.5 Intel News
- 10.2 Qualcomm
 - 10.2.1 Company Details
 - 10.2.2 Next Generation Integrated Circuit Product Offered
 - 10.2.3 Qualcomm Next Generation Integrated Circuit Market Size
 - 10.2.4 Main Business Overview
 - 10.2.5 Qualcomm News
- 10.3 Analog Devices
 - 10.3.1 Company Details
 - 10.3.2 Next Generation Integrated Circuit Product Offered
 - 10.3.3 Analog Devices Next Generation Integrated Circuit Market Size
 - 10.3.4 Main Business Overview
 - 10.3.5 Analog Devices News
- 10.4 Texas Instruments
 - 10.4.1 Company Details
 - 10.4.2 Next Generation Integrated Circuit Product Offered
 - 10.4.3 Texas Instruments Next Generation Integrated Circuit Market Size
 - 10.4.4 Main Business Overview
 - 10.4.5 Texas Instruments News
- 10.5 On Semiconductors
 - 10.5.1 Company Details
 - 10.5.2 Next Generation Integrated Circuit Product Offered
 - 10.5.3 On Semiconductors Next Generation Integrated Circuit Market Size

- 10.5.4 Main Business Overview
- 10.5.5 On Semiconductors News
- 10.6 Nxp Semiconductor
 - 10.6.1 Company Details
 - 10.6.2 Next Generation Integrated Circuit Product Offered
 - 10.6.3 Nxp Semiconductor Next Generation Integrated Circuit Market Size
 - 10.6.4 Main Business Overview
 - 10.6.5 Nxp Semiconductor News
- 10.7 Atmel
 - 10.7.1 Company Details
 - 10.7.2 Next Generation Integrated Circuit Product Offered
 - 10.7.3 Atmel Next Generation Integrated Circuit Market Size
 - 10.7.4 Main Business Overview
 - 10.7.5 Atmel News
- 10.8 Boeing
 - 10.8.1 Company Details
 - 10.8.2 Next Generation Integrated Circuit Product Offered
 - 10.8.3 Boeing Next Generation Integrated Circuit Market Size
 - 10.8.4 Main Business Overview
 - 10.8.5 Boeing News
- 10.9 Stmicroelectronics
 - 10.9.1 Company Details
 - 10.9.2 Next Generation Integrated Circuit Product Offered
 - 10.9.3 Stmicroelectronics Next Generation Integrated Circuit Market Size
 - 10.9.4 Main Business Overview
 - 10.9.5 Stmicroelectronics News
- 10.10 Nec Corporation
 - 10.10.1 Company Details
 - 10.10.2 Next Generation Integrated Circuit Product Offered
 - 10.10.3 Nec Corporation Next Generation Integrated Circuit Market Size
 - 10.10.4 Main Business Overview
 - 10.10.5 Nec Corporation News

11 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES AND FIGURES

Figure Picture of Next Generation Integrated Circuit

Figure Next Generation Integrated Circuit Report Years Considered

Figure Market Research Methodology

Figure Global Next Generation Integrated Circuit Market Size Growth Rate 2018-2023 (\$ Millions)

Table Next Generation Integrated Circuit Market Size CAGR by Region 2018-2023 (\$ Millions)

Table Major Players of Analog

Table Major Players of Digital

Table Global Market Size by Type (2018-2023) (\$ Millions)

Table Global Next Generation Integrated Circuit Market Size Market Share by Type (2018-2023)

Figure Global Next Generation Integrated Circuit Market Size Market Share by Type (2018-2023)

Figure Global Analog Market Size Growth Rate

Figure Global Digital Market Size Growth Rate

Figure Next Generation Integrated Circuit Consumed in Personal Electronics

Figure Global Next Generation Integrated Circuit Market: Personal Electronics (2018-2023) (\$ Millions)

Figure Global Personal Electronics YoY Growth (\$ Millions)

Figure Next Generation Integrated Circuit Consumed in Big Data

Figure Global Next Generation Integrated Circuit Market: Big Data (2018-2023) (\$ Millions)

Figure Global Big Data YoY Growth (\$ Millions)

Figure Next Generation Integrated Circuit Consumed in Internet of Things

Figure Global Next Generation Integrated Circuit Market: Internet of Things (2018-2023) (\$ Millions)

Figure Global Internet of Things YoY Growth (\$ Millions)

Figure Next Generation Integrated Circuit Consumed in Artificial Intelligence

Figure Global Next Generation Integrated Circuit Market: Artificial Intelligence (2018-2023) (\$ Millions)

Figure Global Artificial Intelligence YoY Growth (\$ Millions)

Table Global Next Generation Integrated Circuit Market Size by Application (2018-2023) (\$ Millions)

Table Global Next Generation Integrated Circuit Market Size Market Share by

Application (2018-2023)

Figure Global Next Generation Integrated Circuit Market Size Market Share by Application (2018-2023)

Figure Global Next Generation Integrated Circuit Market Size in Personal Electronics Growth Rate

Figure Global Next Generation Integrated Circuit Market Size in Big Data Growth Rate

Figure Global Next Generation Integrated Circuit Market Size in Internet of Things Growth Rate

Figure Global Next Generation Integrated Circuit Market Size in Artificial Intelligence Growth Rate

Table Date of Global Key Players Enter into Next Generation Integrated Circuit Market

Table Global Key Players Next Generation Integrated Circuit Product Offered

Table Key Players Next Generation Integrated Circuit Funding/Investment (\$ Millions) Figure Funding/Investment

Table Funding/Investment by Regions

Table Funding/Investment by End Industry

Table Key Players Next Generation Integrated Circuit Valuation & Market Capitalization (\$ Millions)

Table Key Players Mergers & Acquisitions, Expansion Plans

Table Global Next Generation Integrated Circuit Market Size by Regions 2018-2023 (\$ Millions)

Table Global Next Generation Integrated Circuit Market Size Market Share by Regions 2018-2023

Figure Global Next Generation Integrated Circuit Market Size Market Share by Regions 2018-2023

Figure Americas Next Generation Integrated Circuit Market Size 2018-2023 (\$ Millions)

Figure APAC Next Generation Integrated Circuit Market Size 2018-2023 (\$ Millions)

Figure Europe Next Generation Integrated Circuit Market Size 2018-2023 (\$ Millions)

Table Americas Next Generation Integrated Circuit Market Size by Countries (2018-2023) (\$ Millions)

Table Americas Next Generation Integrated Circuit Market Size Market Share by Countries (2018-2023)

Figure Americas Next Generation Integrated Circuit Market Size Market Share by Countries in 2018

Table Americas Next Generation Integrated Circuit Market Size by Type (2018-2023) (\$ Millions)

Table Americas Next Generation Integrated Circuit Market Size Market Share by Type (2018-2023)

Figure Americas Next Generation Integrated Circuit Market Size Market Share by Type

in 2018

Table Americas Next Generation Integrated Circuit Market Size by Application (2018-2023) (\$ Millions)

Table Americas Next Generation Integrated Circuit Market Size Market Share by Application (2018-2023)

Figure Americas Next Generation Integrated Circuit Market Size Market Share by Application in 2018

Figure United States Next Generation Integrated Circuit Market Size Growth 2018-2023 (\$ Millions)

Figure Canada Next Generation Integrated Circuit Market Size Growth 2018-2023 (\$ Millions)

Figure Mexico Next Generation Integrated Circuit Market Size Growth 2018-2023 (\$ Millions)

Table APAC Next Generation Integrated Circuit Market Size by Countries (2018-2023) (\$ Millions)

Table APAC Next Generation Integrated Circuit Market Size Market Share by Countries (2018-2023)

Figure APAC Next Generation Integrated Circuit Market Size Market Share by Countries in 2018

Table APAC Next Generation Integrated Circuit Market Size by Type (2018-2023) (\$ Millions)

Table APAC Next Generation Integrated Circuit Market Size Market Share by Type (2018-2023)

Figure APAC Next Generation Integrated Circuit Market Size Market Share by Type in 2018

Table APAC Next Generation Integrated Circuit Market Size by Application (2018-2023) (\$ Millions)

Table APAC Next Generation Integrated Circuit Market Size Market Share by Application (2018-2023)

Figure APAC Next Generation Integrated Circuit Market Size Market Share by Application in 2018

Figure China Next Generation Integrated Circuit Market Size Growth 2018-2023 (\$ Millions)

Figure Japan Next Generation Integrated Circuit Market Size Growth 2018-2023 (\$ Millions)

Figure Korea Next Generation Integrated Circuit Market Size Growth 2018-2023 (\$ Millions)

Figure Southeast Asia Next Generation Integrated Circuit Market Size Growth 2018-2023 (\$ Millions)

Figure India Next Generation Integrated Circuit Market Size Growth 2018-2023 (\$ Millions)

Figure Australia Next Generation Integrated Circuit Market Size Growth 2018-2023 (\$ Millions)

Table Europe Next Generation Integrated Circuit Market Size by Countries (2018-2023) (\$ Millions)

Table Europe Next Generation Integrated Circuit Market Size Market Share by Countries (2018-2023)

Figure Europe Next Generation Integrated Circuit Market Size Market Share by Countries in 2018

Table Europe Next Generation Integrated Circuit Market Size by Type (2018-2023) (\$ Millions)

Table Europe Next Generation Integrated Circuit Market Size Market Share by Type (2018-2023)

Figure Europe Next Generation Integrated Circuit Market Size Market Share by Type in 2018

Table Europe Next Generation Integrated Circuit Market Size by Application (2018-2023) (\$ Millions)

Table Europe Next Generation Integrated Circuit Market Size Market Share by Application (2018-2023)

Figure Europe Next Generation Integrated Circuit Market Size Market Share by Application in 2018

Figure Germany Next Generation Integrated Circuit Market Size Growth 2018-2023 (\$ Millions)

Figure France Next Generation Integrated Circuit Market Size Growth 2018-2023 (\$ Millions)

Figure UK Next Generation Integrated Circuit Market Size Growth 2018-2023 (\$ Millions)

Figure Italy Next Generation Integrated Circuit Market Size Growth 2018-2023 (\$ Millions)

Figure Russia Next Generation Integrated Circuit Market Size Growth 2018-2023 (\$ Millions)

Table Company A Company Details

Table Companies Invested by Company A

Table Company A Key Development and Market Layout

Table Company B Company Details

Table Companies Invested by Company B

Table Company B Key Development and Market Layout

Table Company C Company Details

Table Companies Invested by Company C
Table Company C Key Development and Market Layout
Table Company C Company Details
Table Companies Invested by Company C
Table Company C Key Development and Market Layout
Table Intel Basic Information, Head Office, Major Market Areas and Its Competitors
Table Intel Next Generation Integrated Circuit Market Size
Table Qualcomm Basic Information, Head Office, Major Market Areas and Its Competitors
Table Qualcomm Next Generation Integrated Circuit Market Size
Table Analog Devices Basic Information, Head Office, Major Market Areas and Its Competitors
Table Analog Devices Next Generation Integrated Circuit Market Size
Table Texas Instruments Basic Information, Head Office, Major Market Areas and Its Competitors
Table Texas Instruments Next Generation Integrated Circuit Market Size
Table On Semiconductors Basic Information, Head Office, Major Market Areas and Its Competitors
Table On Semiconductors Next Generation Integrated Circuit Market Size
Table Nxp Semiconductor Basic Information, Head Office, Major Market Areas and Its Competitors
Table Nxp Semiconductor Next Generation Integrated Circuit Market Size
Table Atmel Basic Information, Head Office, Major Market Areas and Its Competitors
Table Atmel Next Generation Integrated Circuit Market Size
Table Boeing Basic Information, Head Office, Major Market Areas and Its Competitors
Table Boeing Next Generation Integrated Circuit Market Size
Table Stmicroelectronics Basic Information, Head Office, Major Market Areas and Its Competitors
Table Stmicroelectronics Next Generation Integrated Circuit Market Size
Table Nec Corporation Basic Information, Head Office, Major Market Areas and Its Competitors
Table Nec Corporation Next Generation Integrated Circuit Market Size

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