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Global RISC-V SoC for IoT Communication Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global RISC-V SoC for IoT Communication market size was valued at US$ 629 million in 2024 and is forecast to a readjusted size of USD 1593 million by 2031 with a CAGR of 14.2% during review period.

RISC-V SoC for IoT communication is a chip that integrates a RISC-V core and communication functions into a system - on - chip. It has powerful data - processing and communication capabilities, which can efficiently and stably handle various data in the IoT and achieve reliable communication transmission. Its performance and functionality are crucial for the operation of IoT systems. This chip features low power consumption and customizability. With complex circuit designs and advanced manufacturing processes, it supports architectures such as RV32IMAC and integrates multiple peripheral interfaces. It can be customized according to IoT application requirements and can also achieve dynamic voltage and frequency adjustment through the control clock division generation module and power supply module, thereby meeting the requirements of IoT devices for low power consumption, small size, and specific functions.

This report is a detailed and comprehensive analysis for global RISC-V SoC for IoT Communication market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

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Key Features:

Global RISC-V SoC for IoT Communication market size and forecasts, in consumption value ($ Million), sales quantity (K Sqm), and average selling prices (US$/Unit), 2020-2031

Global RISC-V SoC for IoT Communication market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Sqm), and average selling prices (US$/Unit), 2020-2031

Global RISC-V SoC for IoT Communication market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (K Sqm), and average selling prices (US$/Unit), 2020-2031

Global RISC-V SoC for IoT Communication market shares of main players, shipments in revenue ($ Million), sales quantity (K Sqm), and ASP (US$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for RISC-V SoC for IoT Communication

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global RISC-V SoC for IoT Communication market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Trasna, Cortus, Mindgrove Technologies, Qualcomm, ACP(Sequans), Jiangsu Xinsheng Technology (China Mobile), Beijing ESWIN Computing Technology, Espressif Systems (Shanghai), Xinyi Information Technology (Shanghai), Nanjing InnoChip Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

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Market Segmentation

RISC-V SoC for IoT Communication market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

- LTE Cat.1bis SoC
- NB-IoT SoC
- Bluetooth LE/BLE SoC
- Others

Market segment by Application

- Consumer Electronics
- Smart City
- Utilities
- Others

Major players covered

- Trasna
- Cortus
- Mindgrove Technologies
- Qualcomm

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ACP(Sequans)

Jiangsu Xinsheng Technology (China Mobile)

Beijing ESWIN Computing Technology

Espressif Systems (Shanghai)

Xinyi Information Technology (Shanghai)

Nanjing InnoChip Technology

HiSilicon (HUAWEI)

Shanghai Cygnus Semiconductor

Telink Semiconductor (Shanghai)

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe RISC-V SoC for IoT Communication product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of RISC-V SoC for IoT Communication, with

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price, sales quantity, revenue, and global market share of RISC-V SoC for IoT Communication from 2020 to 2025.

Chapter 3, the RISC-V SoC for IoT Communication competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the RISC-V SoC for IoT Communication breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025.and RISC-V SoC for IoT Communication market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of RISC-V SoC for IoT Communication.

Chapter 14 and 15, to describe RISC-V SoC for IoT Communication sales channel, distributors, customers, research findings and conclusion.

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Figure 87. Research Process and Data Source

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