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Global Automotive Grade RISC-V Chip 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 Automotive Grade RISC-V Chip market size was valued at US$ 1930 million in 2024 and is forecast to a readjusted size of USD 2879 million by 2031 with a CAGR of 5.9% during review period.

Automotive-grade RISC-V chips are processor chips based on the RISC-V architecture, designed specifically for automotive electronic systems, in line with automotive-grade standards, with stable operation and powerful processing capabilities. They are suitable for automotive applications such as smart cockpits, body control, powertrains, and ADAS, and have safety features and fail-safe capabilities. The development of automotive-grade RISC-V chips has promoted the process of autonomous control and localization of automotive chips.

This report is a detailed and comprehensive analysis for global Automotive Grade RISC-V Chip 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.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Key Features:

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Global Automotive Grade RISC-V Chip market size and forecasts, in consumption value ($ Million), sales quantity (Million Units), and average selling prices (US$/Unit), 2020-2031

Global Automotive Grade RISC-V Chip market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Million Units), and average selling prices (US$/Unit), 2020-2031

Global Automotive Grade RISC-V Chip market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Million Units), and average selling prices (US$/Unit), 2020-2031

Global Automotive Grade RISC-V Chip market shares of main players, shipments in revenue ($ Million), sales quantity (Million Units), 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 Automotive Grade RISC-V Chip
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 Automotive Grade RISC-V Chip 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 Infineon, Kneron, Mobileye(Intel), Microchip Technology, Wuhan Binary Semiconductor, Shanghai HPMicro Semiconductor, Nanjing Cercis Semiconductor, Beijing ESWIN Computing Technology, Suzhou ChipEXT Semiconductor, Shanghai Chipvtech, etc.

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

Market Segmentation

Automotive Grade RISC-V Chip 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

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value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

MCU

SoC

ASIC

Market segment by Application

Passenger Cars

Commercial Vehicles

Major players covered

Infineon

Kneron

Mobileye(Intel)

Microchip Technology

Wuhan Binary Semiconductor

Shanghai HPMicro Semiconductor

Nanjing Cercis Semiconductor

Beijing ESWIN Computing Technology

Suzhou ChipEXT Semiconductor

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Shanghai Chipvtech

Shanghai Chipways Communications Technology

Beijing Horizon Robotics Technology R&D

Black Sesame Technologies

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 Automotive Grade RISC-V Chip product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive Grade RISC-V Chip, with price, sales quantity, revenue, and global market share of Automotive Grade RISC-V Chip from 2020 to 2025.

Chapter 3, the Automotive Grade RISC-V Chip competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive Grade RISC-V Chip 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

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quantity, consumption value, and market share for key countries in the world, from 2020 to 2025.and Automotive Grade RISC-V Chip 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 Automotive Grade RISC-V Chip.

Chapter 14 and 15, to describe Automotive Grade RISC-V Chip sales channel, distributors, customers, research findings and conclusion.

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4 CONSUMPTION ANALYSIS BY REGION

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