+44 20 8123 2220
info@marketpublishers.com

# Global Automotive Grade Smart Cockpit SoC Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

https://marketpublishers.com/r/G4490F163249EN.html
Date: August 2023
Pages: 118
Price: US$ 3,480.00 (Single User License)
ID: G4490F163249EN

## Abstracts

According to our (Global Info Research) latest study, the global Automotive Grade Smart Cockpit SoC market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period.

The car-grade smart cockpit SoC refers to a high-performance chip used in the car smart cockpit system. It provides processing power and functional support in the car, and realizes various intelligent functions such as car infotainment, navigation, safety, and connectivity. These chips have powerful computing power and high reliability to meet modern cars' pursuit of intelligent and digital life.

As various car companies are moving towards intelligence and high-end, BYD, Xiaopeng, Weilai, Roewe, Ideal, Ford and other car manufacturers have even reached more than 80% of their smart cockpits. At present, mainstream smart cockpit SoC chips have basically realized The process below 10nm, the 8nm process includes Samsung V9, Rockchip RK3588M; the 7nm level includes Qualcomm 8155, Huawei Kirin 990A, and Core Engine SE1000. In September 2022, Nvidia released a new generation of self-driving chip Thor, with a computing power of up to 2000TOPS, mass production is planned for 2024; MediaTek develops an automotive SoC that integrates Nvidia GPU chips (chiplets), equipped with Nvidia AI and graphics computing IP. This chip is expected to adopt TSMC's 3nm process, which will be available at the end of 2025 and put into mass production in 2026-2027. The market prospect of car-grade smart cockpit SoC is very broad, the main reasons are as follows:

1. Increased consumer demand: With the pursuit of intelligence and digital life in modern society, consumers' demand for intelligent cockpit systems inside vehicles

+44 20 8123 2220
info@marketpublishers.com

continues to increase. The smart cockpit SoC can provide diversified functions and high-performance processing capabilities to meet consumers' requirements for convenient and intelligent in-vehicle experience.

2. Development of intelligent driving technology: The rapid development of intelligent driving technology will put forward higher requirements for the vehicle intelligent cockpit system. Car-grade smart cockpit SoCs need to have powerful computing power and high reliability to support advanced driver assistance functions and automatic driving systems, and promote the further popularization of smart cars.

3. Popularization of new energy vehicles: The continuous growth of the new energy vehicle market has brought more opportunities for SoCs in car-level smart cockpits. These models have a more urgent demand for smart cockpit systems, prompting SoC manufacturers to continue to innovate and provide more advanced solutions.

4. Integration of artificial intelligence and Internet ecology: The vehicle-grade intelligent cockpit SoC combines artificial intelligence algorithms and Internet ecology to realize the seamless connection between vehicles and cloud services. This will provide car owners with personalized and intelligent services and experiences, and enhance the competitiveness of cars.

5. Manufacturer competition and cooperation: The smart cockpit SoC market is highly competitive. Not only are traditional automotive chip manufacturers competing for layout, such as Renesas, NXP, and Texas Instruments; but also consumer-grade chip manufacturers are entering this field, such as Qualcomm, Samsung, Intel has a natural advantage in the field of high-computing, advanced-process automotive chips, and its product iteration speed is fast, and it is widely used in mid-to-high-end models. At the same time, the automotive-grade smart cockpit SoC market has also promoted the cooperation between chip manufacturers and car manufacturers, and promoted the innovation and application of smart cockpit technology.

The Global Info Research report includes an overview of the development of the Automotive Grade Smart Cockpit SoC industry chain, the market status of Passenger Car (7nm, 8nm), Commercial Vehicle (7nm, 8nm), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Automotive Grade Smart Cockpit SoC.

Regionally, the report analyzes the Automotive Grade Smart Cockpit SoC markets in key regions. North America and Europe are experiencing steady growth, driven by

+44 20 8123 2220
info@marketpublishers.com

government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Automotive Grade Smart Cockpit SoC market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Automotive Grade Smart Cockpit SoC market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Automotive Grade Smart Cockpit SoC industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., 7nm, 8nm).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Automotive Grade Smart Cockpit SoC market.

Regional Analysis: The report involves examining the Automotive Grade Smart Cockpit SoC market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Automotive Grade Smart Cockpit SoC market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Automotive Grade Smart Cockpit SoC:

Company Analysis: Report covers individual Automotive Grade Smart Cockpit SoC manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios,

partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Automotive Grade Smart Cockpit SoC This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Passenger Car, Commercial Vehicle).

Technology Analysis: Report covers specific technologies relevant to Automotive Grade Smart Cockpit SoC. It assesses the current state, advancements, and potential future developments in Automotive Grade Smart Cockpit SoC areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Automotive Grade Smart Cockpit SoC market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Automotive Grade Smart Cockpit SoC market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

7nm

8nm

16nm

Others

Market segment by Application

+44 20 8123 2220
info@marketpublishers.com

Passenger Car

Commercial Vehicle

Major players covered

Qualcomm Technologies, Inc.

NXP Semiconductors

Renesas Electronics Corporation

TI

Intel Corporation

NVIDIA

MediaTek Inc.

Samsung

Telechips

Huawei Technologies Co., Ltd.

Nanjing Semidrive Technology Ltd

Rockchip Electronics Co., Ltd.

Allwinner Technology Co., Ltd.

SiEngine Technology Co., Ltd.

UNISOC (Shanghai) Technology Co., Ltd.

Market segment by region, regional analysis covers

+44 20 8123 2220
info@marketpublishers.com

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 Smart Cockpit SoC product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive Grade Smart Cockpit SoC, with price, sales, revenue and global market share of Automotive Grade Smart Cockpit SoC from 2018 to 2023.

Chapter 3, the Automotive Grade Smart Cockpit SoC competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive Grade Smart Cockpit SoC breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2017 to 2022.and Automotive Grade Smart Cockpit SoC market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

+44 20 8123 2220
info@marketpublishers.com

Chapter 13, the key raw materials and key suppliers, and industry chain of Automotive Grade Smart Cockpit SoC.

Chapter 14 and 15, to describe Automotive Grade Smart Cockpit SoC sales channel, distributors, customers, research findings and conclusion.

+44 20 8123 2220
info@marketpublishers.com

# Contents

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com



## 3 COMPETITIVE ENVIRONMENT: AUTOMOTIVE GRADE SMART COCKPIT SOC BY MANUFACTURER

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

# List Of Tables

## LIST OF TABLES

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

# List Of Figures

## LIST OF FIGURES

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

## I would like to order

Product name: Global Automotive Grade Smart Cockpit SoC Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

Product link: https://marketpublishers.com/r/G4490F163249EN.html

Price: US$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/G4490F163249EN.html

## To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

**All fields are required

Custumer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

+44 20 8123 2220
info@marketpublishers.com