

# **Global Multi-Domain SoC Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032**

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## **Abstracts**

According to our (Global Info Research) latest study, the global Multi-Domain SoC market size was valued at US\$ 292 million in 2025 and is forecast to a readjusted size of US\$ 1015 million by 2032 with a CAGR of 19.3% during review period.

The Multi-Domain SoC is a significant innovation in the automotive industry driven by the architectures of Software-Defined Vehicles (SDV) and Electric Vehicles (EV). It primarily employs the integration of multiple SoC chips, consolidating different domain controls into a single unit, which consists of multiple SoCs or MCUs. Each chip supports different functions.

This chip integrates multiple functional domains, such as Advanced Driver Assistance Systems (ADAS), In-Vehicle Infotainment (IVI), and gateway applications, aiming to enhance the vehicle's computing efficiency, safety, and user experience.

Especially with the development of cabin-driving integrated chips, the rapid evolution of Service-Oriented Architecture (SOA) technology, the increasing demand from OEMs for cost optimization, and the growing user requirements for intelligent functions, the combined influence of these multiple factors is accelerating the mass production and application of single-chip cabin-driving integration.

In 2025, global Multi-Domain SoC production reached approximately 1.72 million units with an average global market price of around US\$165 per unit.

Multi-Domain SoC chips are becoming the core of the evolution of intelligent vehicle electronic architectures. By integrating functional domains such as intelligent cockpits,

driver assistance, vehicle control, and communication onto a single chip, enterprises can significantly simplify the vehicle electronic architecture and replace traditional multi-chip solutions, thereby effectively controlling costs. As industry inventory returns to low levels and industrial prosperity recovers, enterprises will accelerate the upgrade of product items, iterating towards high performance, low power consumption, and advanced processes to meet high-end and differentiated market demands, which helps improve product gross margins and profitability. Future industry trends indicate that AI empowerment will become a key driver. The significant increase in on-device AI computing demand prompts enterprises to continuously upgrade in computing power, storage, and connection hardware. Meanwhile, architectural innovations such as in-memory computing will effectively solve the power consumption limitation problem, driving the explosion of the AI terminal market. This technological convergence trend not only helps enterprises solve the problem of relying on imports for high-end chips but also reduces R&D costs by shortening the development cycle, enabling enterprises to seize the growth opportunities brought by the maturity of 5G and IoT technologies and establish advantages in future global electronics industry competition.

This report is a detailed and comprehensive analysis for global Multi-Domain SoC 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.

#### Key Features:

Global Multi-Domain SoC market size and forecasts, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Multi-Domain SoC market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Multi-Domain SoC market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Multi-Domain SoC market shares of main players, shipments in revenue (\$ Million), sales quantity (Million Units), and ASP (US\$/Unit), 2021-2026

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 Multi-Domain SoC

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 Multi-Domain SoC 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 Renesas Electronics, NVIDIA, Qualcomm, NXP, Shanghai Black Sesame Technologies, Beijing SemiDrive Technology, Hubei SiEngine Technology, Beijing Horizon Robotics, Rockchip Electronics, etc.

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

## Market Segmentation

Multi-Domain SoC market is split by Type and by Application. For the period 2021-2032, 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

Single Core

Multi-core

### Market segment by Process Node

5nm ADAS-Cockpit SoC

7nm ADAS-Cockpit SoC

16nm ADAS-Cockpit SoC

28nm ADAS-Cockpit SoC

#### Market segment by Power Consumption

Low-power ADAS-Cockpit SoC

Medium-power ADAS-Cockpit SoC

High-power ADAS-Cockpit SoC

#### Market segment by Application

Commercial Vehicle

Passenger Vehicle

#### Major players covered

Renesas Electronics

NVIDIA

Qualcomm

NXP

Shanghai Black Sesame Technologies

Beijing SemiDrive Technology

Hubei SiEngine Technology

Beijing Horizon Robotics

Rockchip Electronics

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 Multi-Domain SoC product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Multi-Domain SoC, with price, sales quantity, revenue, and global market share of Multi-Domain SoC from 2021 to 2026.

Chapter 3, the Multi-Domain SoC competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Multi-Domain SoC breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and Multi-Domain SoC market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Multi-Domain SoC.

Chapter 14 and 15, to describe Multi-Domain SoC sales channel, distributors, customers, research findings and conclusion.

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