

System-on-Chip (SoC) Market Tracker

Part of the Semiconductor Components Service Area Package

Global and regional forecasts across applications, with an emphasis on applications processors and their growing heterogeneous nature

“ With the rising need for power efficiency matched with the need for smarter devices, System-on-Chip solutions are growing in popularity as the answer. Capable of enabling transformative technologies such as 5G, embedded vision, natural voice interfaces, and more, SoCs will help to shape the future. ”

Christopher Morris
Senior Research Analyst

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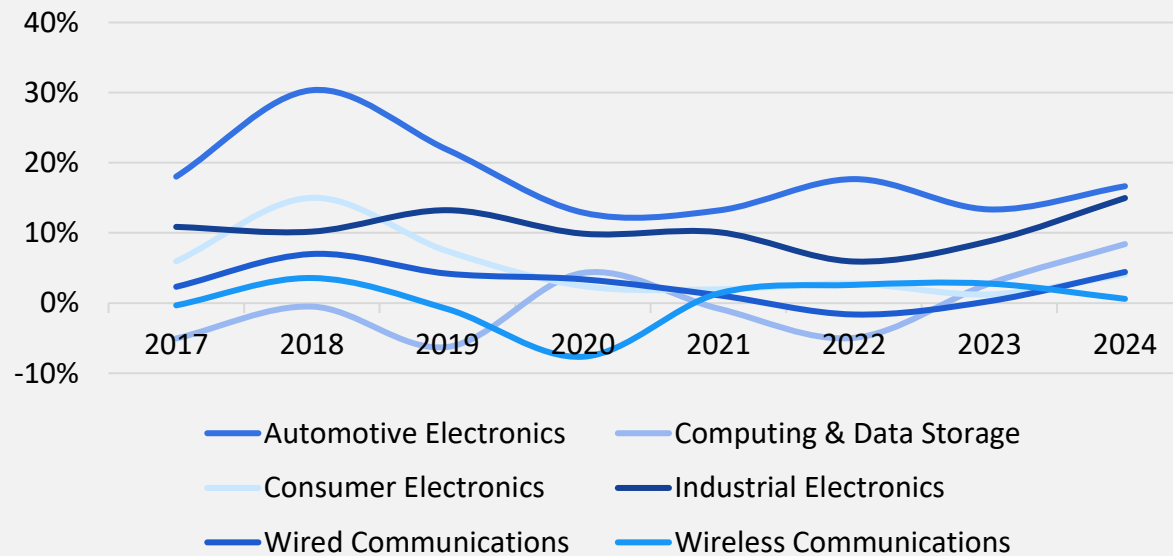
HOW OMDIA HELPS YOU

- Provides four years of historical data, and five years of forecast
- Comprehensive demand analysis covering key industry segments as well as focused views on processor cores with subsystems for DSP, Image and Vision, Graphics, Neural Networking, Configurable logic, Packet Forwarding, Security Accelerators, and Controller subsystems

KEY QUESTIONS ADDRESSED

- What is the market for SoCs based on inclusion of specific subsystem cores?
- What are the core processing features demanded for major applications, and how do they affect processor selection?
- What is the competitive landscape for SoCs in IoT, edge computing, cloud services, AI, and other domains of technical specialty?
- How do SoCs compare to platforms and modules?

SoC Year-over-Year
Growth by Vertical
Market



Semiconductor Components: Our Expert Analysts



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Market Tracker

System-on-Chip (SoC) Market Tracker

Automotive electronics, Industrial electronics, Compute and Data Storage, Consumer electronics, Wired communications, Wireless communications, 100+ applications

DETAILS

Frequency:

- Semi-annual update
- 4-years historical
- 5-years annual forecast

Measures

- Revenues
- Units
- Growth rate
- Average selling price
- Supplier market shares

COVERAGE

Processor classes

- Heterogenous subsystem
- Primary core quantity
- Core architecture
- Discrete vs. platform
- Merchant vs. captive solutions

Vertical markets

- Automotive electronics
- Industrial electronics
- Compute and data storage
- Consumer electronics
- Wired communications
- Wireless communications
- 100+ applications

System-on-Chip (SoC) Market Tracker

Overall Summary

- System-on-Chip (SoC) overall summary

SoC Market and Application Forecasts

- Automotive Electronics Market Detail
- Consumer Electronics Market Detail
- Computer & Data Storage Market Detail
- Industrial Electronics Market Detail
- Wired Communications Market Detail
- Wireless Communications Market Detail

SoC Design Trends

- Heterogeneous Subsystem Penetration
- Primary Core Quantity
- Primary Core Architecture Share

SoC Market Access

- Discrete vs. Platform Strategy
- Merchant vs. Captive Market

SoC Competitive Landscape

- System-on-Chip (SoC) Top 20 Supplier Market Share
- Top 10 Automotive Electronics SoC Suppliers
- Top 10 Computer & Data Storage SoC Suppliers
- Top 10 Consumer Electronics SoC Suppliers
- Top 10 Industrial Electronics SoC Suppliers
- Top 10 Wired Communications SoC Suppliers
- Top 10 Wireless Communications SoC Suppliers
- System-on-Chip (SoC) Supplier List

Pivots, Data and Definitions

- System-on-Chip (SoC) Supplier and Market Pivot Table
- System-on-Chip (SoC) Pivot Data
- Description of Processors, Classes and Sub-class
- Description of Subsystem Elements
- Definitions of Markets and Applications

Related Content: Semiconductor Components Service Area Coverage



Service Area Package: **Semiconductor Components**

LED
Intelligence Service

MEMS & Sensors
Intelligence Service

Microcontroller
Market Tracker

Power Semiconductor
Intelligence Service

Processors for Network
Infrastructure Market Tracker

MEMS & Sensors for Consumer &
Mobile Intelligence Service

Optoelectronic Components
Report

Processors for Graphics &
Artificial Intelligence Market Tracker

System-on-Chip (SoC)
Market Tracker

Processors Spotlight Service

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Omdia's leading semiconductor components research is provided by a highly experienced team of analysts. Many are industry veterans with deep technical background as well as hands-on market and product experience in their coverage area. The key component areas of processors and microcontrollers, MEMS and Sensors, Power discretes and modules, Power ICs, LED and Optical components are covered across numerous device categories and applications.

Their expertise is augmented and supported by the wide array of end equipment application and demand reporting, semiconductor manufacturing tracking and forecasting and spotlight services such as the semiconductor competitive landscape tool, the application market forecast tracker, the China semiconductor intelligence service and others.



Related Content: Semiconductor Service Area Coverage

SERVICE AREA PACKAGE			
Memory & Storage	Semiconductor Components	Semiconductor Manufacturing	Semiconductor Market
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