



# Semiconductors

Every facet of the semiconductor industry analyzed in detail, from raw materials and wafer fabrication through forecasts of end market consumption.



Start

# Research Offerings

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MEMS & Sensors

Semiconductor Components

Semiconductor Manufacturing

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## Intelligence Services

Our most comprehensive offering with real-time access to continually updated market data and forecasts, analyst insights, topical research reports, analyst presentations and direct access to analysts

## Reports

Topical reports addressing key focus areas with in-depth analysis of market and technology trends

## Market Trackers

Regular periodic analysis and forecasts designed to provide timely visibility into relevant market and technology trends

## Custom & Consulting

Meaningful analysis and action-oriented recommendations for custom cases and consulting, building on extensive IHS Markit data and recognized industry experience



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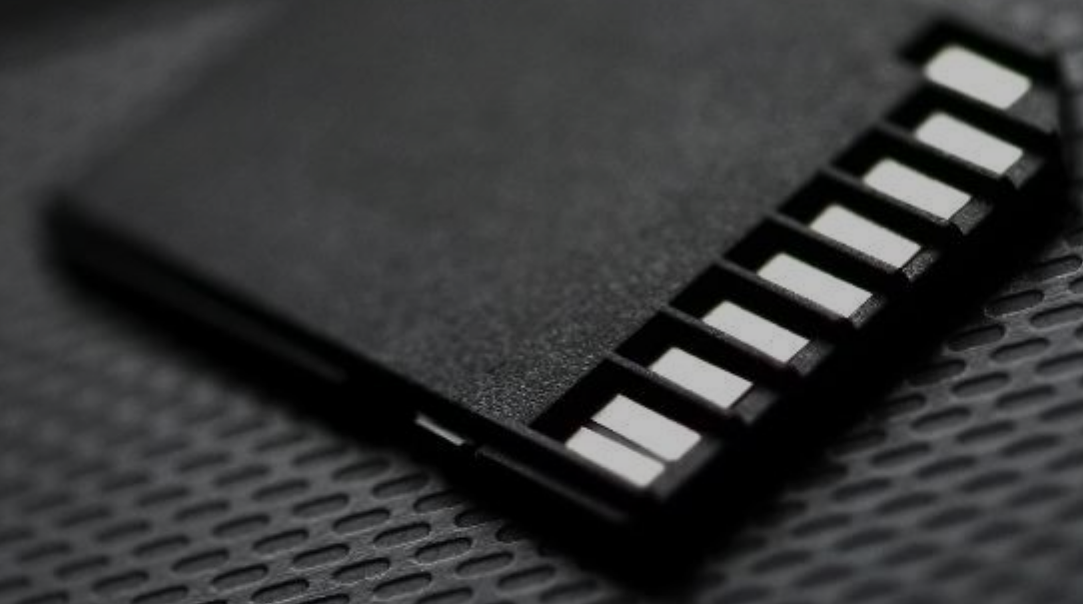
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# Memory & Storage

A comprehensive look at the DRAM and flash markets, including supply and demand ramifications, with in-depth research that includes up-to-date forecasting for units, average selling prices and revenues.

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# Memory & Storage

## Intelligence Services

### **DRAM Memory**

Strategic insights and analysis on the volatile DRAM market, covering key trends, technologies, leading applications and supply-and-demand ramifications. Real-time forecasts for units, average selling prices and revenues are detailed by application market and technology.

[Learn more](#)

### **Mobile and Embedded Memory**

Comprehensive coverage of the NOR and embedded NAND flash markets. Timely market briefs present expert insights on the impact of industry events and trends, while also providing supplier performance as well product and usage outlook for both the short and long term.

[Learn more](#)

### **NAND Memory**

Detailed look at the data flash (NAND) memory market, technologies, applications, supply-and-demand dynamics and device pricing by density. Timely market briefs present expert insights on the impact of industry events and trends.

[Learn more](#)

### **SSD and HDD Storage**

In-depth tracking of the storage market for both component vendors and users of storage devices, examining significant trends and technologies impacting the industry.

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# MEMS & Sensors

Follow both leading and potential high-value future products for semiconductors—including opportunities for the MEMS business in its automotive, consumer electronics, mobile, medical and industrial segments—with our wide-ranging research and analysis.

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# MEMS & Sensors

## Intelligence Services

### **MEMS & Sensors**

Wide-ranging examination of the MEMS and sensors market, including analysis of leading and potential applications using the technology. Coverage includes detailed shipment and revenue forecasts, market share and ASP for 27 device categories across 8 applications, along with supplier competitive analysis. Also delivers in-depth reports on MEMS and sensors for IoT, as well as on light sensor technologies.

[Learn more](#)

### **MEMS & Sensors for Consumer & Mobile**

Critical research on MEMS sensors used in smartphones, wearables and consumer electronics. Coverage includes shipment and revenue forecasts; market share and ASP information; and industry overviews of historical performance, current profile and future outlook. Also offers detailed examination of key technologies and applications, such as light sensors, motion sensors and MEMS microphones.

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# Semiconductor Components

Extensive research categorized by application market, geographical region and semiconductor device for key verticals. Coverage includes MEMS, memory, LED, power management and more.

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# Semiconductor Components

## Intelligence Services

### Power Semiconductor

Comprehensive coverage combining an industry-leading market tracker with targeted supplier analysis together with in-depth topical reports on key focus areas, including silicon carbide (SiC) and gallium nitride (GaN) power semiconductors as well as green energy power management.

[Learn more](#)

### LED

Insightful research on the LED value chain with timely information on relevant suppliers and manufacturers, analysis of established as well as emerging LED applications and technologies, and detailed competitor market share data.

[Learn more](#)

### Processors

Detailed market trackers and reports on microcontrollers, microprocessors, and application-specific processors, as well as technology-specific analysis on processors in network infrastructure, graphics, and artificial intelligence.

[Learn more](#)

### Key Mobile Component Price Service (KMCPS)

Valuable market and pricing insight to help negotiate the best possible price on the 8 cost-critical components in mobile phones (displays, touch panel, bonding, camera, basebands, memory, batteries, PCBs) by providing detailed spec-level pricing and forecasts, including customized views of Tier-1 and market ASP.

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# Semiconductor Components

## Market Trackers

### Microcontroller

Essential information of the entire microcontroller ecosystem, including historic as well as forecast revenue and shipment data, ASP, top market divisions, bit-class divisions and competitive landscape by market. Also includes detailed regional analysis by market and bit class; and of various MCU configurations spanning over 100 applications.

[Learn more](#)

### Processors for Network Infrastructure

Unprecedented coverage of high-performance processors in network infrastructure, including historic as well as forecast revenue and shipment data categorized by processor class and application market. Also supplies market share data of leading processor suppliers by core architecture.

[Learn more](#)

### System-on-Chip (SoC)

A critical analysis of the fast growing embedded applications processor market with a focus on the competitive landscape for integrated subsystem cores.

[Learn more](#)

### Processors for Graphics & AI

Examination of graphics processing and embedded video analytics including GPUs, GPGPUs, and embedded graphics cores as solutions. In addition to competitive analyses and supplier shares for each market, this service also offers investigative reporting on major trends and high-growth industry sectors.

[Learn more](#)

## Report

### Optoelectronic Components

Comprehensive analysis on the optical semiconductor market including insights on key trends and opportunities. Coverage includes LEDs, optocouplers, wireless infrared components, optical switches (also known as photo interrupters) and LED displays.

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# Semiconductor Manufacturing

Detailed information on the making of semiconductors by both pure-play foundries and IDMs, tracking changes in semiconductor equipment and chip technology, while offering important perspectives on strategies and trends.

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# Semiconductor Manufacturing

## Market Trackers

### Global Semiconductor Manufacturing

Significant coverage of key technology and manufacturing trends, offering valuable insights to chart long-term strategic business strategies. Also includes analysis on important industry indicators, such as R&D, capital expenditures and inventory—useful for early warnings on potential long-term issues.

[Learn more](#)

### Semiconductor Silicon Demand

Easy-to-use database tool with overall view of silicon demand. Categorized by technology for areas such as memory, logic, analog, discrete and microcomponents; as well as by wafer size, including 4-inch, 5-inch, 6-inch, 8-inch and 300mm.

[Learn more](#)

### Pure Play Foundry

Timely information on strategies and partnerships of industry key players, and insightful analysis for manufacturers to manage their way through to the future.

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# Semiconductor Market

Track every facet of the worldwide chip industry with our comprehensive competitive analysis on leading market suppliers along with accurate application equipment and device forecasts categorized by region, end-equipment markets and semiconductor content.

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# Semiconductor Market

## Intelligence Services

### **Semiconductor Application Market Forecast (AMFT)**

Comprehensive semiconductor and equipment forecast as well as analysis categorized by geographical region and key vertical markets. Data captures revenue consumption and shipment forecast for 52 semiconductor segments.

[Learn more](#)

### **Semiconductor Competitive Landscape (CLT)**

Competitive analysis of the worldwide semiconductor market categorized by company, product category and region. More than 140 semiconductor devices and subdevices as well as over 270 companies are ranked by revenue for each application market. Also supplies financial profit data of leading suppliers and information on major M&A activities.

[Learn more](#)

### **Semiconductor Forecast Scenario Tool (SFST)**

Tool to generate forecasts based on expectations of various macro factors that influence the semiconductor industry.

### **OEM Semiconductor Spending & Design Activity**

Semiconductor market research tools offering unprecedented insight into current and forecast information that impacts resource allocation and investment decisions for companies affected by fluctuating semiconductor market conditions.

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## Intelligence Services (cont.)

### **China Semiconductor**

Comprehensive tracking of China's electronic and semiconductor industries, including cogent analysis of the supply chain, competitive landscape, market opportunities and challenges. Coverage includes key application markets in China, such as automotive, industrial and mobile devices.

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### **Industrial Semiconductor**

Complete research on the semiconductor market for industrial electronics, including competitive analysis on top suppliers and purchasers. Also includes in-depth analysis of key industrial products categorized by revenue, unit, ASP forecast and typical semiconductor BOM.

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# Custom & Consulting

We provide an unmatched combination of information, insight and expertise, transforming knowledge into data and customizing a solution to meet your greatest strategic and operational challenges.

- Reduce risk
- Streamline business planning
- Accelerate informed decisions
- Lower operating expenses

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# Custom & Consulting

## Where to play

- Identify and prioritize growth segments, technologies and trends
- Assess the impact of emerging technologies in key industries

## What to deliver

- Apply innovation to evolve your business and delivery models
- Optimize your services to address customer requirements

## How to build

- Optimize suppliers and partners, costs and prices, and technology trends & impacts

## How to win

- Amplify your message to key audiences
- Target and engage new customers

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For more information

E: [insights@omdia.com](mailto:insights@omdia.com)

## SALES

US: +1 (212) 652 5335

APAC: +61 (0)396 016 700

EMEA: +44 (0)7771 980 316

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## About Omdia

Omdia is a global technology research powerhouse, established following the merger of the research division of Informa Tech (Ovum, Heavy Reading, and Tractica) and the acquired Omdia technology research portfolio\*. We combine the expertise of more than 400 analysts across the entire technology spectrum, covering 150 markets. We publish over 3,000 research reports annually, reaching more than 14,000 subscribers, and cover thousands of technology, media, and telecommunications companies.

Our exhaustive intelligence and deep technology expertise enable us to uncover actionable insights that help our customers connect the dots in today's constantly evolving technology environment and empower them to improve their businesses—today and tomorrow.

\* The majority of Omdia technology research products and solutions were acquired by Informa in August 2019 and are now part of Omdia.

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