

# China Semiconductor Intelligence Service

## Part of the Semiconductor Market Service Area Package

Complete examination of China's electronic and semiconductor industries, including analysis of the supply chain, competitive landscape, market opportunities, and challenges

“ Make better business decisions with comprehensive tracking of China's electronic and semiconductor industries, including analysis of the supply chain, competitive landscape, and market opportunities and challenges. Understand key semiconductor application markets in China, such as automotive, industrial, and mobile devices. ”

**Hui He**

Principal Analyst

# China Semiconductor Intelligence Service

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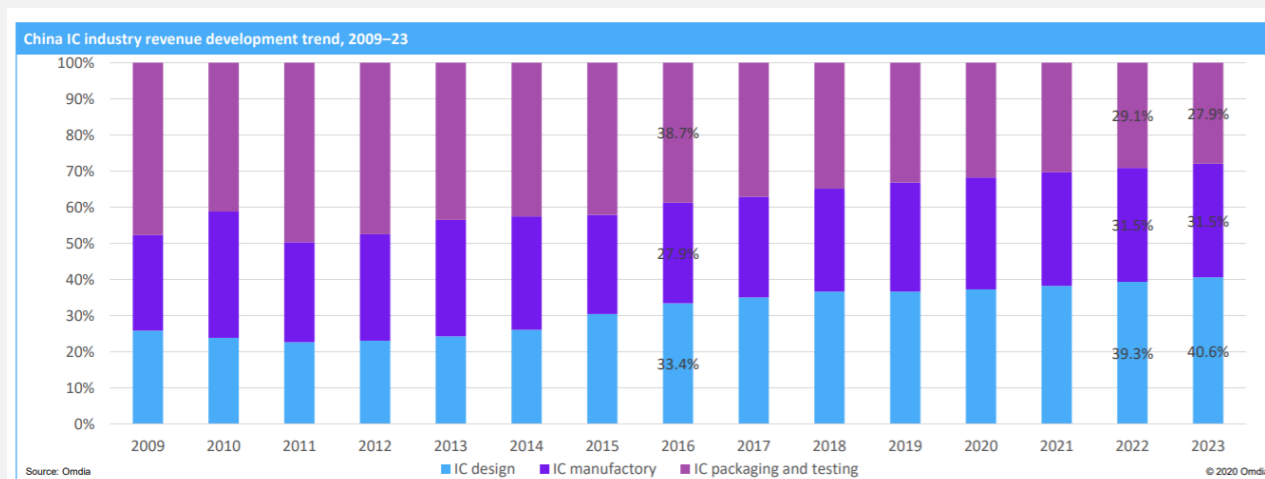
## HOW OMDIA HELPS YOU

- Identify opportunities in China’s electronic and semiconductor markets
- Track historical and forecast revenue, average selling price and shipment data on semiconductor devices and application markets
- Keep pace with the latest market news and developments

## KEY QUESTIONS ADDRESSED

- What is China’s local design semiconductor market by application and device?
- What are the market opportunities and challenges for business development?
- What are the government policies and regulations?
- How to understand supply chain analysis?
- What are the technology and price trends?
- What is the continued development of China’s semiconductor industry?

Overall market dynamic



# Semiconductors Markets: Our Expert Analysts



**Hui He**  
Associate Director  
China Semiconductors



**Myson Robles-Bruce**  
Senior Principal Analyst  
AMFT, DAT, OEM



**Marlina Omar**  
Analyst  
DAT, OEM



**Hiroyoshi Takizawa**  
Senior Analyst  
CLT



**Carol Yang**  
Senior Analyst  
China Semi



**Noman Akhtar**  
Senior Analyst  
Industrial

# China Semiconductor Intelligence Service: Deliverables



## MARKET TRACKERS

- **Semiconductor Industry Market Tracker - China** (semi-annually updated)
- **Mobile Phones & Electronics Market Tracker – China** (semi-annually updated)
- **Microcontrollers Market Tracker – China** (semi-annually updated)
- **Power Semiconductor Market Tracker – China** (semi-annually updated)



## DATABASE FORECAST TOOLS

- **Application Market Forecast Tool (AMFT) – China** (quarterly updated)
- **Application Market Forecast Tool (AMFT) – China Local Design** (semi-annually updated)
- **Competitive Landscaping Tool (CLT) – Greater China** (annually updated)



## MARKET INSIGHTS

**China Semiconductor Market Brief** (monthly updated) provides analyst insights on the latest industry trends and market dynamics



## ANALYST ACCESS

For prompt responses to urgent and unique questions.

# China Semiconductor: Market Trackers

## Semiconductor Industry Market Tracker – China

Offers detailed China Semiconductor market view of overall industry dynamics, policy, manufacturing, fabless and application

### DETAILS

**Frequency:** Semi-annually updated

#### Measures

- Unit shipments
- Revenue
- ASP
- Market share

#### Region

- China

#### Time period

- 2010 – 2024

(base and forecast year different by content & coverage)

#### Deliverable

- XLS, PPT

### COVERAGE

#### Overall insight

- Chinese IC design industry revenue forecast
- Chinese IC industry revenue development trend
- Status of China's major foundries
- Top 10 Chinese IC design companies' revenue and shipments
- Chinese semiconductor design industry revenue forecast by category
- Investment status of China's semiconductor industry
- Central, regional, and local funds investment cases
- Potential investment value of Chinese IC design companies GaN power transistors

#### China's semiconductor industry review

- Highlights for the China hot application
- Chinese system companies with IC design departments
- Profiles of main Chinese design service companies.
- Profiles of main Chinese EDA companies
- Profiles of main Chinese FPGA companies

#### China's foundries with a fabless relationship

- Worldwide pure foundry revenue from China's IC design market
- Percentage of Chinese foundry process revenue.
- Leading Chinese fabless companies at xx nm and foundry partner

# China Semiconductor: Market Trackers

## Mobile Phones & Electronics Market Tracker – China

Offers complementary written analysis for key application markets

### DETAILS

**Frequency:** Semi-annually updated

**Measures**

- Unit shipments
- Revenue
- ASP
- Market share

**Region**

- China

**Time period**

- 2014 – 2026  
(base and forecast year different by content & coverage)

**Deliverable**

- XLS

### COVERAGE

- China domestic handset market
- Domestic smartphone by channel
- Domestic smartphone by tech
- Domestic smartphone market
- Domestic smartphone market (%)
- Chinese OEM handset shipment
- Chinese OEM handset shipment (%)
- Smartphone by price tier
- OEMs ASP
- Smartphone by screen
- Smartphone by camera
- China's mobile phone production
- Domestically designed handset
- Gray handset market
- Chinese handset OEMs' net profit margins
- Top 5 Smartphone ODM companies
- Key smartphone OEMs' ODM/IDH share and partners
- Handset chipset competitive analysis
- LTE smartphone chipset competitive analysis

# China Semiconductor: Market Trackers

## Microcontrollers Market Tracker – China

Provides detailed China MCU shipment forecast by application market with 5 year forecast

### DETAILS

**Frequency:** Semi-annually

**Measures**

- Unit shipments
- Revenue
- ASP
- Market share

**Region**

- China

**Time period**

- base year with 5-year forecast

**Deliverable**

- XLS

### COVERAGE

**China MCU market**

- China's MCU shipment history and forecast
- China's MCU revenue forecast by applications
- China's MCU unit shipment by applications forecast
- China's MCU revenue and ASP estimation by bit forecast
- China's MCU revenue by memory forecast

**By different application category**

- MCU in industrial forecast
- MCU units in industrial forecast
- MCU in computing & data storage sub-application forecast
- MCU units in compute forecast
- MCU in automotive forecast
- MCU units in automotive forecast
- MCU in communication forecast
- MCU units in communication forecast

- MCU in consumer electronics forecast
- MCU units in consumer electronics forecast

**China MCU vendors and market share**

- China's MCU market ranking in 2020 (top 20 vendors)
- China's MCU vendors in 2020

# China Semiconductor: Market Trackers

## Power Semiconductor Market Tracker – China

Offers detailed China market view of power semiconductors for discrete & module and SiC & GaN semiconductors by application

### DETAILS

**Frequency:** Semi-annually

**Measures**

- Unit shipments
- Revenue
- ASP
- Market share

**Region**

- China

**Time period**

- 2018 – 2024  
(based on 1H21 release)

**Deliverable**

- XLS, PPT

### COVERAGE

**Discretos**

- Si rectifiers
- SiC rectifiers
- Thyristors
- GTOs, IGCTs, and GCTs
- Bipolar power transistors
- Si power MOSFETs
- Si protected MOSFETs
- SiC power MOSFETs
- GaN power transistors
- Discrete IGBTs
- Pressure contact IGBTs

**Module**

- Thyristor/diode modules (and rectifier bridges)
- MOSFET modules
- MOSFET-IPMs
- Full SiC modules
- Standard (non-integrated) IGBT modules
- Power integrated modules (PIM)/CIB
- Hybrid SiC modules
- Intelligent power modules (IGBT-IPMs)

- SiC power semiconductors by application
- GaN power semiconductors by application
- China's power semiconductor companies' technology status (matrix)



# China Semiconductor: Analytical Database Tools

## Application Market Forecast Tool (AMFT) – China

Provides forecasts for semiconductor components revenue and electronic equipment factory shipments, revenue and growth rate by application market; application market by semiconductor device and share of total market also available

## Competitive Landscape Tool (CLT) – China

Provides tailored view of application equipment and semiconductor device market data

## Application Market Forecast Tool (AMFT) - China Local Design

Provides data on systems shipped from Chinese OEMs, ODMs and IDH; detailed by application market, application equipment and semiconductor device

# Related Content: Semiconductor Market Service Area Coverage



## Service Area Package: **Semiconductor Market**

China Semiconductor  
Intelligence Service

Industrial Semiconductor  
Intelligence Service

OEM Semiconductor Spending &  
Design Activity  
Intelligence Service

Semiconductor Application  
Forecast AMFT Spotlight Service

Semiconductor Competitive  
Landscape CLT Spotlight Service

## About Omdia's Semiconductor Market Research

Omdia's leading semiconductor market 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 foundation of all the coverage comes from primary research with the major semiconductor suppliers across the global industry. This insight feeds a global and regional view of the industry by technology and by application including historical and forecasted views presented through the CLT and AMFT solutions.

From this core data, the research is augmented through additional primary research to deliver China, Industrial and then an OEM spend and design activity views.

# Related Content: Semiconductor Service Area Coverage

SERVICE AREA PACKAGE			
Memory & Storage	Semiconductor Components	Semiconductor Manufacturing	Semiconductor Market
<ul style="list-style-type: none"> <li>• DRAM for Graphics AI Report - 2021</li> <li>• DRAM Memory Intelligence Service</li> <li>• Mobile &amp; Embedded Memory Intelligence Service</li> <li>• NAND Memory Intelligence Service</li> <li>• SSD &amp; HDD Storage Memory Intelligence Service</li> </ul>	<ul style="list-style-type: none"> <li>• LED Intelligence Service</li> <li>• Magnetic Sensors Report - 2019</li> <li>• MEMS &amp; Sensors for Consumer &amp; Mobile Intelligence Service</li> <li>• MEMS &amp; Sensors Intelligence Service</li> <li>• Microcontroller Market Tracker</li> <li>• Optoelectronic Components Report - 2021</li> <li>• Power Semiconductor Intelligence Service</li> <li>• Processors for Graphics &amp; Artificial Intelligence Market Tracker</li> <li>• Processors for Network Infrastructure Market Tracker</li> <li>• Processors Spotlight Service</li> <li>• System-on-Chip (SoC) Market Tracker</li> </ul>	<ul style="list-style-type: none"> <li>• Global Semiconductor Manufacturing Market Tracker</li> <li>• Pure Play Foundry Market Tracker</li> <li>• Semiconductor Silicon Demand Forecast Tool</li> </ul>	<ul style="list-style-type: none"> <li>• China Semiconductor Intelligence Service</li> <li>• Design Activity Tool</li> <li>• Industrial Semiconductor Intelligence Service</li> <li>• OEM Semiconductor Spend Tracker</li> <li>• OEM Semiconductor Spending &amp; Design Activity Intelligence Service</li> <li>• Semiconductor Application Forecast AMFT Spotlight Service</li> <li>• Semiconductor Competitive Landscape CLT Spotlight Service</li> </ul>

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### Customer Success

E: [customersuccess@omnia.com](mailto:customersuccess@omnia.com)

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US: +1 (212) 652 5335

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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.