

# Semiconductor Competitive Landscape (CLT) Spotlight Service

## Part of the Semiconductor Market Service Area Package

Competitive analysis of the worldwide semiconductor market by company, product category, market application and region

“ The most comprehensive semiconductor market share service in the industry. ”

**Ron Ellwanger**  
Senior Analyst

# Semiconductor Competitive Landscape (CLT) Spotlight Service

Part of the Semiconductor Market Service Area Package

## HOW OMDIA HELPS YOU

- Understand the semiconductor landscape and a company’s individual performance and ranking
- Which emerging company could develop into a strong competitor
- Identify strategic partnerships to mitigate risk
- Benchmark competition

## KEY QUESTIONS ADDRESSED

- What is the overall size of the semiconductor market?
- Who controls which market segments?
- What technology is growing?
- Regional semiconductor consumption?
- What are a company’s technology and market application strengths?
- View market by company headquarter location?

### Top Ten Semiconductor Company Ranking (\$MUSD)

| 2018 Rank                  | 2019 Rank | Company Name          | 2018 Revenue(\$) | 2019 Revenue(\$) | Revenue Percent Change | Revenue Percent of Total | Revenue Cumulative Percent |
|----------------------------|-----------|-----------------------|------------------|------------------|------------------------|--------------------------|----------------------------|
| 2                          | 1         | Intel                 | 69,895           | 70,785           | 1.3%                   | 16.5%                    | 16.5%                      |
| 1                          | 2         | Samsung Electronics   | 74,644           | 52,511           | -29.7%                 | 12.3%                    | 28.8%                      |
| 3                          | 3         | SK Hynix              | 36,234           | 22,868           | -36.9%                 | 5.3%                     | 34.1%                      |
| 4                          | 4         | Micron Technology     | 29,655           | 19,926           | -32.8%                 | 4.7%                     | 38.8%                      |
| 5                          | 5         | Broadcom Limited      | 17,371           | 17,863           | 2.8%                   | 4.2%                     | 42.9%                      |
| 6                          | 6         | Qualcomm              | 16,606           | 14,391           | -13.3%                 | 3.4%                     | 46.3%                      |
| 7                          | 7         | Texas Instruments     | 15,379           | 14,052           | -8.6%                  | 3.3%                     | 49.6%                      |
| 10                         | 8         | STMicroelectronics    | 9,665            | 9,556            | -1.1%                  | 2.2%                     | 51.8%                      |
| 9                          | 9         | nVidia                | 10,205           | 9,491            | -7.0%                  | 2.2%                     | 54.0%                      |
| 11                         | 10        | Infineon Technologies | 9,134            | 8,891            | -2.7%                  | 2.1%                     | 56.1%                      |
| <b>Top 10 Companies</b>    |           |                       | <b>288,788</b>   | <b>240,334</b>   | <b>-16.8%</b>          | <b>56.1%</b>             |                            |
| <b>All Others</b>          |           |                       | <b>196,231</b>   | <b>188,005</b>   | <b>-4.2%</b>           | <b>43.9%</b>             |                            |
| <b>Total Semiconductor</b> |           |                       | <b>485,019</b>   | <b>428,339</b>   | <b>-11.7%</b>          | <b>100.0%</b>            |                            |

# Semiconductors Markets: Our Expert Analysts



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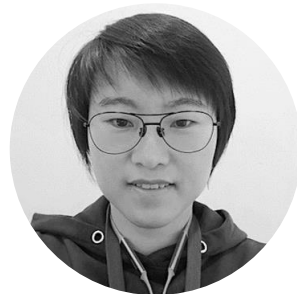
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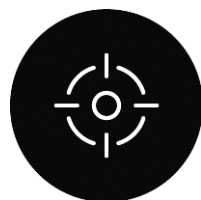


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Research Analyst



**Carol Yang**  
Senior Research Analyst

# Semiconductor Competitive Landscape (CLT): Deliverables



## ANALYTICAL DATABASE TOOL

—Ongoing—

Tailored views of semiconductor market share data. Historic (from 2002) delivered in Excel and in TRAX<sup>®</sup>, an online analysis tool.



## MARKET INSIGHTS

—Ongoing—

Frequent analyst commentary on market news and events impacting the semiconductor industry



## ANALYST ACCESS

—Ongoing—

For prompt responses to urgent and unique questions supported by 30 analyst.

# Semiconductor Competitive Landscape (CLT): Market Data

## Supplier competitive analysis of 271 companies

**Frequency:** Quarterly

Provides graphical, customizable display of market share revenue for a selected company including analysis by application market, semiconductor segment and region

## Semiconductor data for 6 application markets

**Frequency:** Quarterly

Ranks companies by application market and the individual company's market strength based on revenue.

## Semiconductor device technologies

**Frequency:** Quarterly

Includes 6 main device technologies and 142 sub-device categories of data for comprehensive company and market analysis

## Major M&A activity

**Frequency:** Quarterly

All major mergers & acquisitions, business sales and transfers, spinouts and joint ventures, and private ownership changes.

## Continually evaluating semiconductor market landscape

Continued evaluation of emerging semiconductor companies expanding total number of companies included in the data base.

# Semiconductor Competitive Landscape (CLT): Research Coverage

## THREE DIFFERENT DATABASES

### Quarterly version

- 54 semiconductor segments
- 133 companies
- 6 application markets
- Quarterly
- Worldwide with regional split for “Total semiconductor”

### Regional version

- 43 semiconductor segments
- 271 companies
- 6 application markets
- Full year
- Worldwide, Americas, Japan, Asia-Pacific, EMEA

### Annual version

- 142 semiconductor segments
- 271 companies
- 6 application markets
- Full year
- Worldwide with regional split for “Total semiconductor”

## DETAIL

- Company
- Semiconductor component
- Device Sub-device
- Region
- Application market
- Fabless, IDM, Fabless IDM
- Headquarter

## APPLICATION MARKETS

- Data processing
- Wired communications
- Wireless communications
- Consumer electronics
- Automotive electronics
- Industrial electronics

## REGIONS

- Worldwide
- Americas
- EMEA
- Japan
- Asia-Pacific (China/Hong Kong, South Korea, Taiwan, Singapore/ Malaysia, India, Rest of Asia-Pacific)

# Semiconductor Competitive Landscape (CLT): Research Coverage

## SEMICONDUCTOR SEGMENTS (142 DEVICES/ SUBDEVICES)

### Memory IC

- DRAM
- SRAM
- Flash memory (NAND, NOR)
- Other non-volatile memory
- Other memory

### Microcomponent IC

- Microprocessor (general purpose, application specific)
- Microcontroller (4-bit, 8-bit, 16 bit, 32-bit)
- Digital Signal Processor (DSP ASSP, DSP ASIC, multipurpose & other DSP)

### Logic IC

- General purpose logic (standard logic, display drivers, PLD)
- Logic application specific IC (logic ASSP, logic ASIC)

### Analog IC

- General purpose analog (amplifier/comparator, voltage regulator/reference, data converters, interface)
- Analog application specific IC (analog ASSP, analog ASIC)

### Discretetes

- RF & microwave
- Power transistor & thyristor
- Rectifier & power diodes
- Small signal & other discretetes

### Optical semiconductor

- Image sensors (CCD, CMOS)
- Laser diodes
- LEDs
- Other optical

### Sensors & actuators

## COMPANIES (272 SUPPLIERS)

- Intel
- Samsung Electronics
- Qualcomm
- SK Hynix
- Micron Technology
- Texas Instruments
- Toshiba
- Broadcom Limited
- STMicroelectronics
- MediaTek
- Renesas Electronics
- nVidia
- Infineon Technologies
- ON Semiconductor
- NXP
- AMD
- Sony Semiconductor
- Apple
- Western Digital
- Marvell

# 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 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>• Key Mobile Component Price Service</li> <li>• LED Intelligence Service</li> <li>• MEMS &amp; Sensors for Consumer &amp; Mobile Intelligence Service</li> <li>• MEMS &amp; Sensors Intelligence Service</li> <li>• Optoelectronic Components Report</li> <li>• Power Semiconductor Intelligence Service</li> <li>• Processors Spotlight Service (incl. MCU, Graphics &amp; AI, Networking Infrastructure, System-on-Chip Trackers)</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>• Industrial Semiconductor Intelligence Service</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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Whether you need guidance to navigate the service, information regarding our methodologies or you want to better understand a data trend, Omdia’s support team is here to help.

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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.