



TECHNOLOGY, MEDIA & TELECOM INTELLIGENCE SERVICE

# Semiconductor Application Forecast

## BENEFITS

- Identify markets for entry or exit
- Anticipate demand for future production quantities and associated semiconductor costs
- Position services to target specific markets that offer the greatest revenue or growth opportunity
- Ensure that product mix is aligned with the marketplace

Comprehensive and flexible semiconductor and equipment forecast and analysis by geographical region and key vertical markets

Real time access to a continuous flow of research across geographies, topics and application areas:

### Analytical Database Tool

Tailored views of application equipment and/or semiconductor device market data.

Historic and forecasted, delivered in Excel and in TRAX®, an online analysis tool.

### Market Insights

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

### Analyst Access

For prompt responses to urgent and unique questions.

## Clients of this Intelligence Service will receive:

**Electronic equipment factory production data by application market** – provides factory shipments, revenue forecasts and annual growth rates by application equipment

**Semiconductor device data by application markets** – revenue forecasts for specific semiconductor components by application; presents the total revenue for the semiconductor devices selected and the revenue share that each application equipment category represents

**Application market data by semiconductor devices** – presents semiconductor component revenue forecast within the application market selected. Also available for each semiconductor device is its share of the total semiconductor revenue of that application equipment.

**Application market rankings** – ranks 100+ application markets for a semiconductor category based on market size (semiconductor revenue) or growth

**Additional qualitative and comparative analysis** – quarterly executive summary with rationale, alongside separate files containing forecast assumptions and key changes. The Electronics Equipment & Semiconductor Forecast is a valuable comparison tool used to detail growth rate changes in equipment and semiconductor forecasts.

## Research Coverage

### Three different databases

#### World + Regions version

- 52 semiconductor segments
- 100+ application markets
- Annual forecasts
- Worldwide, Americas, EMEA, Japan, Asia-Pacific

#### Quarterly detail version

- 52 semiconductor segments
- 50+ application markets
- Quarterly forecasts
- Worldwide

#### Asia-Pacific version

- 52 semiconductor segments
- 100+ application markets
- Annual forecasts
- Total Asia-Pacific

Measures	Market categories (100+ applications)	Regions
Semiconductor shipments revenue OEM factory revenue OEM factory revenue Unit production Manufacturing revenue	Data processing Wired communications Wireless communications Consumer electronics Automotive electronics Industrial electronics	Worldwide Americas Europe, Middle East, Africa Japan Asia-Pacific (China/Hong Kong, South Korea, Taiwan, Singapore/ Malaysia, India, Rest of Asia-Pacific)

### Components (50+ 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)

#### Discretes

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

#### Optical semiconductor

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

#### Sensors & actuators

### Related Research

Semiconductor Competitive Landscape

China Semiconductor

For more information [ihsmarket.com/technology](https://www.ihsmarket.com/technology)

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