

# Worldwide Semiconductor Applications Forecaster

IDC's *Worldwide Semiconductor Applications Forecaster* (SAF) is a competitive market model and tool for companies interested in the semiconductor market. For each update, clients of this product receive an easy-to-use, automated Excel pivot table that allows them to customize IDC's semiconductor market and competitive data according to their needs. The SAF serves as a basis for all IDC semiconductor supply-side documents, including end-market forecasts, competitive analyses, and consulting projects. The SAF has three components:

- **Worldwide Semiconductor Market Share — Market and Company View** includes semiconductor revenue data from over 100 of the top semiconductor suppliers for the prior 3 years segmented by over 20 device types, 5 geographic regions, and 6 industry segments (vertical markets). The companies selected cover over 90% of the semiconductor market and over 85% of supplier revenue for each device type.
- **Worldwide Semiconductor Market Forecast** includes semiconductor revenue forecasts — developed by IDC's Semiconductor Research Team — for the next 5 years and historical data for the prior 4 years segmented by over 65 device applications (end equipment) that drive semiconductor demand, 7 industry segments (vertical markets), 19 semiconductor device types, and 4 geographic regions.
- **Four-Quarter Rolling Forecast and Leading Company Results** includes a four-quarter rolling forecast of revenue from key markets including MPU (PC and server), DRAM, NAND, key mobile phone semiconductors, cloud infrastructure communications processors, and tablet processors. This deliverable is released earlier than the market forecast and does not cover the entire semiconductor market. The deliverable includes top-line quarterly revenue results, gross margin, and next-quarter company guidance as well as commentary from IDC analysts about the latest quarter's results and outlook.

## Why Use *Worldwide Semiconductor Applications Forecaster* Data?

Data from IDC's *Worldwide Semiconductor Applications Forecaster* can help you:

- Develop a complete and timely view of the semiconductor industry
- Understand where competition in the semiconductor chip industry is fiercest by vertical segment and by product area
- Understand market segmentation and forecasts
- Understand market segment by IDMs or fabless companies

## Product Features

### Worldwide Semiconductor Market Share — Market and Company View

Annual semiconductor revenue in 2014–2017 segmented by:

- Over 100 of the top semiconductor suppliers
- Over 20 semiconductor device areas
- 5 geographic regional segments
- 6 industry segments (vertical markets)
- Segmentation by fab versus fabless companies

### Worldwide Semiconductor Market Forecast

Annual revenue forecast for 2018–2022 and annual revenue history for 2014–2017 segmented by:

- Over 65 device applications (end equipment)
- 20 semiconductor device areas
- 4 geographic regional segments
- 7 industry segments (vertical segments)

## Applications for IDC's Worldwide Semiconductor Applications Forecaster



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## Worldwide Semiconductor Applications Forecaster Methodologies

- IDC's research methodology for the Semiconductor Applications Forecaster encompasses qualitative and quantitative methods to study the market from both top-down and bottom-up perspectives. By compiling data from all the analysts in IDC's Semiconductor and Enabling Technologies group, the SAF covers semiconductor content for device applications across multiple industries. The SAF forecast deliverable reflects input from macroeconomic forecasts, product BOM analyses, end-market data, value chain analysis, and OEM and foundry data. In addition, the SAF market share deliverable reflects input from individual company financial analysis, company product analysis, product BOM analysis, and semiconductor company surveys. The rolling forecast deliverable delivers a shorter-term, immediate outlook for the semiconductor market and how leading semiconductor companies are performing.

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## Delivery Schedule

IDC's *Worldwide Semiconductor Applications Forecaster* subscribers receive quarterly updates to IDC's semiconductor rolling forecast, semiconductor market forecast data, and one annual update to historical vendor share information. Delivered via IDC's website, IDC's *Worldwide Semiconductor Applications Forecaster* offers additional market forecasts and history not covered in other CIS or core IDC's Semiconductor and Enabling Technologies research documents:

### Rolling forecast updates:

- June 2018, September 2018, December 2018, and April 2019

### Forecast updates:

- June 2018, September 2018, December 2018, and April 2019
- Starting with December 2018, forecast is updated to reflect 2023 forecast

### Market share updates:

- April 2019 update provides 2018 market share data

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## About the Worldwide Semiconductor Applications Forecaster Database

IDC's *Worldwide Semiconductor Applications Forecaster* database serves as the basis for all IDC semiconductor supply-side documents, including market forecasts and consulting projects. The Worldwide Semiconductor Market Share — Market and Company View component of the database contains semiconductor revenue data collected from over 100 of the top semiconductor companies for 2014–2017, segmented by over 20 device types, 5 regions, and 6 industry segments (vertical markets). The Worldwide Semiconductor Market Forecast component of the database contains semiconductor revenue history for 2014–2017 and semiconductor revenue forecast for 2018–2022. Both historical and forecast data are segmented by over 65 device applications (end equipment) that drive semiconductor demand, 7 industry segments (vertical markets), 19 semiconductor device types, and 4 geographic regions.