The DRAM market has expanded from PCs and smartphones to data centers, and new markets such as A.I, edge computing and automotive are coming.

Lino Jeng
Principal Analyst
DRAM Memory Intelligence Service

Part of the Memory & Storage Service Area Package

HOW OMDIA HELPS YOU

• DRAM roadmap and technology transitions
• Detailed picture of the supply landscape
• Comprehensive demand analysis covering key application markets
• Monthly pricing data on major products
• Competitive rankings of suppliers by geography
• Close integration with NAND Memory Intelligence Service, SSD & HDD Intelligence Service, and the Mobile & Embedded Intelligence Service, resulting in an all-inclusive understanding of the memory market.

KEY QUESTIONS ADDRESSED

• What is the DRAM market forecast in terms of bit growth, ASP, and revenue, both near-term and a look four years ahead?
• What applications are driving DRAM bit demand?
• What is the supply/demand environment, and what is the impact on projected ASPs?
• Who are the DRAM manufacturers, what are their fab growth plans, and what are the company’s technology roadmaps?

DRAM Industry Revenue

<table>
<thead>
<tr>
<th>Year</th>
<th>Revenue (billions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>$98.9</td>
</tr>
<tr>
<td>2019</td>
<td>$62.2</td>
</tr>
<tr>
<td>2020</td>
<td>$68.3</td>
</tr>
<tr>
<td>2021</td>
<td>$94.9</td>
</tr>
<tr>
<td>2022</td>
<td>$104.2</td>
</tr>
<tr>
<td>2023</td>
<td>$87.0</td>
</tr>
<tr>
<td>2024</td>
<td>$83.2</td>
</tr>
</tbody>
</table>

Source: Omdia

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Memory & Storage: Our Expert Analysts

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DRAM Memory: Deliverables

**MARKET TRACKERS**

—*Quarterly*—

- DRAM Market Tracker
- DRAM Module Market Tracker

**MARKET INSIGHTS**

—*Monthly*—

Studies key market trends, analysis on product, technology and applications, and monthly pricing updates.

**PRESENTATIONS**

—*Ongoing*—

Scheduled market briefings by request with our lead analysts

**ANALYST ACCESS**

—*Ongoing*—

For prompt responses to urgent and unique questions.
## DRAM Memory: Market Trackers

### DRAM Market Tracker
Provides detailed analysis and forecasts of the market by application markets, technology, density and manufacturing developments as well as insights into significant trends and changes in the marketplace; accompanied by a written analysis.

#### DETAILS
- **Frequency:** Quarterly

#### COVERAGE
- **Application Markets**
  - Server
  - PC
  - Smartphones
  - Tablets
  - Consumer electronics
  - Networking
  - Automotive
  - Industrial

- **Technologies**
  - SDRAM
  - DDR
  - DDR2
  - DDR3
  - DDR4
  - DDR5
  - Mobile DRAM
  - Graphic
  - Emerging memory

- **Regions**
  - Worldwide
  - America
  - Europe, Middle East & Africa
  - Asia Pacific
  - China
  - Japan

### DRAM Module Market Tracker
Database offering short- and long-term market forecasts by application, technology and module density, as well as key supplier analysis; updated semi-annually.

#### DETAILS
- **Frequency:** Semi-annual

#### COVERAGE
- **Application Markets**
  - Server
  - PC
  - Networking

- **Technologies**
  - DDR4
  - DDR5

- **Regions**
  - Worldwide
  - America
  - Europe, Middle East & Africa
  - Asia Pacific
  - China
  - Japan
DRAM Memory: Report

DRAM Dynamics Market Brief

Studies key market trends, analysis on product, technology and applications, and monthly pricing updates.

DETAILS

Frequency: Monthly

Updated monthly DRAM prices, analysis of current market conditions, key demand and supply dynamics and implications from various end applications.
About Omdia’s Memory & Storage Research

Omdia’s memory and storage team brings years of industry experience, from memory manufacturing, to SSD engineering, and corporate memory business/market intelligence. The team has in-depth knowledge of how the memory markets evolve, the psychologies of what drives the industry, as well as future trends that may impact the markets.

Additionally, the memory and storage team has access to the vast internal resources Omdia has to offer, such as application research and demand, as well as a full suite of semiconductor manufacturing reports and analysis to get a full view on the markets.
## Related Content: Semiconductor Service Area Coverage

### SERVICE AREA PACKAGE

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<th>Memory &amp; Storage</th>
<th>Semiconductor Components</th>
<th>Semiconductor Manufacturing</th>
<th>Semiconductor Market</th>
</tr>
</thead>
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<tr>
<td>• DRAM Memory Intelligence Service</td>
<td>• Key Mobile Component Price Intelligence Service</td>
<td>• Global Semiconductor Manufacturing Market Tracker</td>
<td>• China Semiconductor Intelligence Service</td>
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<tr>
<td>• Mobile &amp; Embedded Memory Intelligence Service</td>
<td>• LED Intelligence Service</td>
<td>• Pure Play Foundry Market Tracker</td>
<td>• Design Activity Tool</td>
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<tr>
<td>• NAND Memory Intelligence Service</td>
<td>• Magnetic Sensors Report - 2019</td>
<td>• Semiconductor Silicon Demand Forecast Tool</td>
<td>• Industrial Semiconductor Intelligence Service</td>
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<tr>
<td>• SSD &amp; HDD Storage Memory Intelligence Service</td>
<td>• MEMS &amp; Sensors for Consumer &amp; Mobile Intelligence Service</td>
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<td>• OEM Semiconductor Spend Tracker</td>
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<td></td>
<td>• Microcontroller Market Tracker</td>
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<td>• Semiconductor Application Forecast AMFT Spotlight Service</td>
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<td></td>
<td>• Optoelectronic Components Report - 2020</td>
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<td>• Semiconductor Competitive Landscape CLT Spotlight Service</td>
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<td>• Power Semiconductor Intelligence Service</td>
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<td>• Semiconductor Forecast Scenario Tool</td>
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<tr>
<td></td>
<td>• Processors for Graphics &amp; Artificial Intelligence Market Tracker</td>
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<td>• Processors for Network Infrastructure Market Tracker</td>
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<td>• Processors Spotlight Service</td>
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<td></td>
<td>• System-on-Chip (SoC) Market Tracker</td>
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