

# In-Memory Computing Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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## Abstracts

The global in-memory computing market size reached US\$ 16.3 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 41.3 Billion by 2028, exhibiting a growth rate (CAGR) of 16.8% during 2022-2028.

In-Memory Computing (IMC) refers to the process of storing information in the Random-Access Memory (RAM) of the dedicated servers instead of comparatively slower disk drives. It is a solution architecture that stores data in a number of clusters to deliver real-time processing insights. It is usually complemented by on-disk or solid-state storage for archiving, recovery and accessing historical data. It enables an organization to detect patterns, analyze large amounts of data and perform operations promptly. They are commonly used for services, such as investment banking, insurance claim modeling, social gaming, real-time advertising platforms, geospatial processing and medical imaging.

The emerging trend of digitization of business operations, along with the growing demand for real-time analysis of data, is one of the key factors driving the growth of the market. Organizations are adopting applications that can run advanced queries and perform complex analysis on large datasets. Moreover, IMC also aids in minimizing the load on the organization's information technology (IT) infrastructure and overall operational costs while freeing up resources, boosting business insights and enhancing efficiencies. In line with this, increasing adoption of dynamic random-access memory (DRAM)-based IMC systems in the banking, financial services and insurance (BFSI) industry is also contributing to the market growth. Banks and other financial institutions use IMC for fraud detection, risk management, financial analysis and monitoring of transactions. Other factors, including improvements in the information technology (IT) sector, along with the rising demand for rapid data processing across industries, are projected to drive the market further.

### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global in-memory computing market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on component, organization size and vertical.

#### Breakup by Component:

In-Memory Data Management Solutions and Services

Databases

Data Grids

In-Memory Computing Platforms

Server Applications

Analytics Applications

#### Breakup by Organization Size:

Small and Medium Enterprises

Large Enterprises

#### Breakup by Vertical:

BFSI

Healthcare

IT and Telecom

Government

Others

#### Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Altibase Corp., Fujitsu Ltd., GigaSpaces Technologies Inc., GridGain Systems Inc., HCL Technologies Limited, International Business Machines Corporation, Microsoft Corporation, NTT DATA Corporation (Nippon Telegraph and Telephone), Oracle Corporation, SAP SE, SAS Institute Inc., Software AG, TIBCO Software Inc. (Vista Equity Partners), etc.

Key Questions Answered in This Report:

How has the global in-memory computing market performed so far and how will it perform in the coming years?

What are the key regional markets?

What has been the impact of COVID-19 on the global in-memory computing market?

What is the breakup of the market based on the component?

What is the breakup of the market based on the organization size?

What is the breakup of the market based on the vertical?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global in-memory computing market and who are the key players?

What is the degree of competition in the industry?

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