

Global Hardware Security Modules (HSM) Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Hardware Security Modules (HSM) market size was valued at USD 1279.1 million in 2023 and is forecast to a readjusted size of USD 2920.4 million by 2030 with a CAGR of 12.5% during review period.

A hardware security module (HSM) is a physical computing device that safeguards and manages digital keys for strong authentication and provides crypto processing. These modules traditionally come in the form of a plug-in card or an external device that attaches directly to a computer or network server. Hardware Security Modules (HSM) are devices specifically built to create a tamper-resistant environment in which to perform cryptographic processes (e.g. encryption or digital signing) and to manage keys associated with those processes. HSMs often provide cryptographic acceleration that is measured in terms of operations. These devices are used to protect critical data processing activities associated with server based applications and can be used to strongly enforce security policies and access controls. These modules are physical devices that traditionally come in the form of a plug-in card or an external network connected appliance and are often validated against security standards such as FIPS.

Global key players of hardware security modules (HSM) include Thales, Entrust Corp, Utimaco, ATOS SE, Marvell Technology Group, etc. The top five players hold a share about 45%. North America is the largest market, has a share about 38%, followed by Europe and Asia-Pacific, with share 33% and 25%, separately.

The Global Info Research report includes an overview of the development of the Hardware Security Modules (HSM) industry chain, the market status of BFSI (General

Purpose HSMs, Payment HSMs), Industrial and Manufacturing (General Purpose HSMs, Payment HSMs), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Hardware Security Modules (HSM).

Regionally, the report analyzes the Hardware Security Modules (HSM) markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Hardware Security Modules (HSM) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Hardware Security Modules (HSM) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Hardware Security Modules (HSM) industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the revenue generated, and market share of different by Type (e.g., General Purpose HSMs, Payment HSMs).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Hardware Security Modules (HSM) market.

Regional Analysis: The report involves examining the Hardware Security Modules (HSM) market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Hardware Security Modules (HSM) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Hardware Security Modules (HSM):

Company Analysis: Report covers individual Hardware Security Modules (HSM) players, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Hardware Security Modules (HSM). This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (BFSI, Industrial and Manufacturing).

Technology Analysis: Report covers specific technologies relevant to Hardware Security Modules (HSM). It assesses the current state, advancements, and potential future developments in Hardware Security Modules (HSM) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Hardware Security Modules (HSM) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Hardware Security Modules (HSM) market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

Market segment by Type

General Purpose HSMs

Payment HSMs

HSMaaS

Market segment by Application

BFSI

Industrial and Manufacturing

Government

Others

Market segment by players, this report covers

Thales

Entrust Corp

Utimaco

ATOS SE

Marvell Technology Group

Westone Information Industry

Ultra Electronics

Sansec Technology

Synopsys, Inc

Futurex

Keyou

Beijing Dean Information Technology

Fortanix

Securosys

Yubico

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Australia and Rest of Asia-Pacific)

South America (Brazil, Argentina and Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Hardware Security Modules (HSM) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Hardware Security Modules (HSM), with revenue, gross margin and global market share of Hardware Security Modules (HSM) from 2019 to 2024.

Chapter 3, the Hardware Security Modules (HSM) competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2019 to 2024. and Hardware Security Modules (HSM) market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Hardware Security Modules (HSM).

Chapter 13, to describe Hardware Security Modules (HSM) research findings and conclusion.

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