

# Global Hardware Security Modules (HSM) Market by Size, by Type, by Application, by Region, History and Forecast 2019-2030

<https://marketpublishers.com/r/G6FBA7B6513FEN.html>

Date: April 2024

Pages: 139

Price: US\$ 3,950.00 (Single User License)

ID: G6FBA7B6513FEN

## Abstracts

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.

This report focus on HSM markets (GP and Payment HSMs) including HSMaaS offering by hyperscalers and MS(S)Ps.

According to APO Research, The global Hardware Security Modules (HSM) market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

Global Hardware Security Modules (HSM) key players include Thales, Entrust Datacard, Utimaco, ATOS SE, Marvell Technology Group, etc. Global top five manufacturers hold a share about 46%. North America is the largest market, with a

share about 32%, followed by Asia Pacific and Europe, both have a share over 47 percent. In terms of product, General Purpose HSMs is the largest segment, with a share over 70%. And in terms of application, the largest application is BFSI, followed by Government, etc.

## Report Includes

This report presents an overview of global market for Hardware Security Modules (HSM), market size. Analyses of the global market trends, with historic market revenue data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Hardware Security Modules (HSM), also provides the revenue of main regions and countries. Of the upcoming market potential for Hardware Security Modules (HSM), and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Hardware Security Modules (HSM) revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global Hardware Security Modules (HSM) market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by Type and by Application, revenue, and growth rate, from 2019 to 2030. Evaluation and forecast the market size for Hardware Security Modules (HSM) revenue, projected growth trends, production technology, application and end-user industry.

Descriptive company profiles of the major global players, including Thales, Entrust Datacard, Utimaco, ATOS SE, Marvell Technology Group, Westone Information Industry Inc, Ultra Electronics, Synopsys, Inc and Futurex, etc.

## Hardware Security Modules (HSM) segment by Company

### Thales

Entrust Datacard

Utimaco

ATOS SE

Marvell Technology Group

Westone Information Industry Inc

Ultra Electronics

Synopsys, Inc

Futurex

Keyou

Exceet Secure Solutions GmbH

Beijing Dean information technology

Securosys

Yubico

Sansec

## Hardware Security Modules (HSM) segment by Type

General Purpose HSMs

Payment HSMs

HSMaaS

## Hardware Security Modules (HSM) segment by Application

Industrial and Manufacturing

BFSI

Government

Others

## Hardware Security Modules (HSM) segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

## Study Objectives

1. To analyze and research the global status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, capacity, production, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.

4. To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify significant trends, drivers, influence factors in global and regions.
6. To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

### Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Hardware Security Modules (HSM) market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Hardware Security Modules (HSM) and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market.
5. This report helps stakeholders to gain insights into which regions to target globally.
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Hardware Security Modules (HSM).
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

## Chapter Outline

Chapter 1: Introduces the report scope of the report, executive summary of different market segments (product type, application, etc), including the market size of each market segment, future development potential, and so on. Revenue of Hardware Security Modules (HSM) in global and regional level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 2: Analysis key trends, drivers, challenges, and opportunities within the global Hardware Security Modules (HSM) industry.

Chapter 3: Detailed analysis of Hardware Security Modules (HSM) companies' competitive landscape, revenue, market share and industry ranking, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides the analysis of various market segments by type, covering the revenue, and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5: Provides the analysis of various market segments by application, covering the revenue, and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 6: Provides profiles of key companies, introducing the basic situation of the main companies in the market in detail, including product descriptions and specifications, Hardware Security Modules (HSM) revenue, gross margin, and recent development, etc.

Chapter 7: North America (US & Canada) by type, by application and by country, revenue for each segment.

Chapter 8: Europe by type, by application and by country, revenue for each segment.

Chapter 9: China by type, and by application, revenue for each segment.

Chapter 10: Asia (excluding China) by type, by application and by region, revenue for

each segment.

Chapter 11: MEALA by type, by application and by country, revenue for each segment.

Chapter 12: Concluding Insights of the report.



## Contents

### 1 MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 Market Analysis by Type
  - 1.2.1 Global Hardware Security Modules (HSM) Market Size Growth Rate by Type: 2019 VS 2023 VS 2030
  - 1.2.2 General Purpose HSMs
  - 1.2.3 Payment HSMs
  - 1.2.4 HSMaaS
- 1.3 Market Analysis by Application
  - 1.3.1 Global Hardware Security Modules (HSM) Market Size Growth Rate by Application: 2019 VS 2023 VS 2030
  - 1.3.2 Industrial and Manufacturing
  - 1.3.3 BFSI
  - 1.3.4 Government
  - 1.3.5 Others
- 1.4 Global Market Growth Prospects
- 1.5 Global Hardware Security Modules (HSM) Growth Trends by Region
  - 1.5.1 Global Hardware Security Modules (HSM) Market Size by Region: 2019 VS 2023 VS 2030
  - 1.5.2 Hardware Security Modules (HSM) Market Size by Region (2019-2024)
  - 1.5.3 Hardware Security Modules (HSM) Market Size by Region (2025-2030)
- 1.6 Assumptions and Limitations
- 1.7 Study Goals and Objectives
- 1.8 Years Considered

### 2 GLOBAL HARDWARE SECURITY MODULES (HSM) MARKET DYNAMICS

- 2.1 Hardware Security Modules (HSM) Industry Trends
- 2.2 Hardware Security Modules (HSM) Industry Drivers
- 2.3 Hardware Security Modules (HSM) Industry Opportunities and Challenges
- 2.4 Hardware Security Modules (HSM) Industry Restraints

### 3 COMPETITIVE LANDSCAPE BY COMPANY

- 3.1 Global Hardware Security Modules (HSM) Revenue by Company (2019-2024)
- 3.2 Global Hardware Security Modules (HSM) Players Revenue Ranking, 2022 VS

2023 VS 2024

3.3 Global Hardware Security Modules (HSM) Key Company Head office and Area Served

3.4 Global Hardware Security Modules (HSM) Company, Product Type & Application

3.5 Global Hardware Security Modules (HSM) Company Commercialization Time

3.6 Market Competitive Analysis

3.6.1 Global Hardware Security Modules (HSM) Market CR5 and HHI

3.6.2 Global Top 5 and 10 Hardware Security Modules (HSM) Players Market Share by Revenue in 2023

3.6.3 2023 Hardware Security Modules (HSM) Tier 1, Tier 2, and Tier

## **4 HARDWARE SECURITY MODULES (HSM) MARKET BY TYPE**

4.1 Global Hardware Security Modules (HSM) Market Size by Type (2019 VS 2023 VS 2030)

4.2 Global Hardware Security Modules (HSM) Market Size by Type (2019-2030)

4.3 Global Hardware Security Modules (HSM) Market Size Share by Type (2019-2030)

## **5 HARDWARE SECURITY MODULES (HSM) MARKET BY APPLICATION**

5.1 Global Hardware Security Modules (HSM) Market Size by Application (2019 VS 2023 VS 2030)

5.2 Global Hardware Security Modules (HSM) Market Size by Application (2019-2030)

5.3 Global Hardware Security Modules (HSM) Market Size Share by Application (2019-2030)

## **6 COMPANY PROFILES**

6.1 Thales

6.1.1 Thales Company Information

6.1.2 Thales Business Overview

6.1.3 Thales Hardware Security Modules (HSM) Revenue and Gross Margin (US\$ Million) & (2019-2024)

6.1.4 Thales Hardware Security Modules (HSM) Product Portfolio

6.1.5 Thales Recent Developments

6.2 Entrust Datacard

6.2.1 Entrust Datacard Company Information

6.2.2 Entrust Datacard Business Overview

6.2.3 Entrust Datacard Hardware Security Modules (HSM) Revenue and Gross Margin

(US\$ Million) & (2019-2024)

6.2.4 Entrust Datacard Hardware Security Modules (HSM) Product Portfolio

6.2.5 Entrust Datacard Recent Developments

6.3 Utimaco

6.3.1 Utimaco Company Information

6.3.2 Utimaco Business Overview

6.3.3 Utimaco Hardware Security Modules (HSM) Revenue and Gross Margin (US\$ Million) & (2019-2024)

6.3.4 Utimaco Hardware Security Modules (HSM) Product Portfolio

6.3.5 Utimaco Recent Developments

6.4 ATOS SE

6.4.1 ATOS SE Company Information

6.4.2 ATOS SE Business Overview

6.4.3 ATOS SE Hardware Security Modules (HSM) Revenue and Gross Margin (US\$ Million) & (2019-2024)

6.4.4 ATOS SE Hardware Security Modules (HSM) Product Portfolio

6.4.5 ATOS SE Recent Developments

6.5 Marvell Technology Group

6.5.1 Marvell Technology Group Company Information

6.5.2 Marvell Technology Group Business Overview

6.5.3 Marvell Technology Group Hardware Security Modules (HSM) Revenue and Gross Margin (US\$ Million) & (2019-2024)

6.5.4 Marvell Technology Group Hardware Security Modules (HSM) Product Portfolio

6.5.5 Marvell Technology Group Recent Developments

6.6 Westone Information Industry Inc

6.6.1 Westone Information Industry Inc Company Information

6.6.2 Westone Information Industry Inc Business Overview

6.6.3 Westone Information Industry Inc Hardware Security Modules (HSM) Revenue and Gross Margin (US\$ Million) & (2019-2024)

6.6.4 Westone Information Industry Inc Hardware Security Modules (HSM) Product Portfolio

6.6.5 Westone Information Industry Inc Recent Developments

6.7 Ultra Electronics

6.7.1 Ultra Electronics Company Information

6.7.2 Ultra Electronics Business Overview

6.7.3 Ultra Electronics Hardware Security Modules (HSM) Revenue and Gross Margin (US\$ Million) & (2019-2024)

6.7.4 Ultra Electronics Hardware Security Modules (HSM) Product Portfolio

6.7.5 Ultra Electronics Recent Developments

## 6.8 Synopsys, Inc

6.8.1 Synopsys, Inc Company Information

6.8.2 Synopsys, Inc Business Overview

6.8.3 Synopsys, Inc Hardware Security Modules (HSM) Revenue and Gross Margin (US\$ Million) & (2019-2024)

6.8.4 Synopsys, Inc Hardware Security Modules (HSM) Product Portfolio

6.8.5 Synopsys, Inc Recent Developments

## 6.9 Futurex

6.9.1 Futurex Company Information

6.9.2 Futurex Business Overview

6.9.3 Futurex Hardware Security Modules (HSM) Revenue and Gross Margin (US\$ Million) & (2019-2024)

6.9.4 Futurex Hardware Security Modules (HSM) Product Portfolio

6.9.5 Futurex Recent Developments

## 6.10 Keyou

6.10.1 Keyou Company Information

6.10.2 Keyou Business Overview

6.10.3 Keyou Hardware Security Modules (HSM) Revenue and Gross Margin (US\$ Million) & (2019-2024)

6.10.4 Keyou Hardware Security Modules (HSM) Product Portfolio

6.10.5 Keyou Recent Developments

## 6.11 Exceet Secure Solutions GmbH

6.11.1 Exceet Secure Solutions GmbH Company Information

6.11.2 Exceet Secure Solutions GmbH Business Overview

6.11.3 Exceet Secure Solutions GmbH Hardware Security Modules (HSM) Revenue and Gross Margin (US\$ Million) & (2019-2024)

6.11.4 Exceet Secure Solutions GmbH Hardware Security Modules (HSM) Product Portfolio

6.11.5 Exceet Secure Solutions GmbH Recent Developments

## 6.12 Beijing Dean information technology

6.12.1 Beijing Dean information technology Company Information

6.12.2 Beijing Dean information technology Business Overview

6.12.3 Beijing Dean information technology Hardware Security Modules (HSM) Revenue and Gross Margin (US\$ Million) & (2019-2024)

6.12.4 Beijing Dean information technology Hardware Security Modules (HSM) Product Portfolio

6.12.5 Beijing Dean information technology Recent Developments

## 6.13 Securosys

6.13.1 Securosys Company Information

- 6.13.2 Securosys Business Overview
- 6.13.3 Securosys Hardware Security Modules (HSM) Revenue and Gross Margin (US\$ Million) & (2019-2024)
- 6.13.4 Securosys Hardware Security Modules (HSM) Product Portfolio
- 6.13.5 Securosys Recent Developments
- 6.14 Yubico
  - 6.14.1 Yubico Company Information
  - 6.14.2 Yubico Business Overview
  - 6.14.3 Yubico Hardware Security Modules (HSM) Revenue and Gross Margin (US\$ Million) & (2019-2024)
  - 6.14.4 Yubico Hardware Security Modules (HSM) Product Portfolio
  - 6.14.5 Yubico Recent Developments
- 6.15 Sansec
  - 6.15.1 Sansec Company Information
  - 6.15.2 Sansec Business Overview
  - 6.15.3 Sansec Hardware Security Modules (HSM) Revenue and Gross Margin (US\$ Million) & (2019-2024)
  - 6.15.4 Sansec Hardware Security Modules (HSM) Product Portfolio
  - 6.15.5 Sansec Recent Developments

## **7 NORTH AMERICA**

- 7.1 North America Hardware Security Modules (HSM) Market Size (2019-2030)
- 7.2 North America Hardware Security Modules (HSM) Market Size by Type
  - 7.2.1 North America Hardware Security Modules (HSM) Market Size by Type (2019-2024)
  - 7.2.2 North America Hardware Security Modules (HSM) Market Size by Type (2025-2030)
  - 7.2.3 North America Hardware Security Modules (HSM) Market Share by Type (2019-2030)
- 7.3 North America Hardware Security Modules (HSM) Market Size by Application
  - 7.3.1 North America Hardware Security Modules (HSM) Market Size by Application (2019-2024)
  - 7.3.2 North America Hardware Security Modules (HSM) Market Size by Application (2025-2030)
  - 7.3.3 North America Hardware Security Modules (HSM) Market Share by Application (2019-2030)
- 7.4 North America Hardware Security Modules (HSM) Market Size by Country
  - 7.4.1 North America Hardware Security Modules (HSM) Market Size by Country (2019

VS 2023 VS 2030)

7.4.2 North America Hardware Security Modules (HSM) Market Size by Country (2019-2024)

7.4.3 North America Hardware Security Modules (HSM) Market Size by Country (2025-2030)

7.4.4 North America Hardware Security Modules (HSM) Market Share by Country (2019-2030)

7.4.5 United States

7.4.6 Canada

## **8 EUROPE**

8.1 Europe Hardware Security Modules (HSM) Market Size (2019-2030)

8.2 Europe Hardware Security Modules (HSM) Market Size by Type

8.2.1 Europe Hardware Security Modules (HSM) Market Size by Type (2019-2024)

8.2.2 Europe Hardware Security Modules (HSM) Market Size by Type (2025-2030)

8.2.3 Europe Hardware Security Modules (HSM) Market Share by Type (2019-2030)

8.3 Europe Hardware Security Modules (HSM) Market Size by Application

8.3.1 Europe Hardware Security Modules (HSM) Market Size by Application (2019-2024)

8.3.2 Europe Hardware Security Modules (HSM) Market Size by Application (2025-2030)

8.3.3 Europe Hardware Security Modules (HSM) Market Share by Application (2019-2030)

8.4 Europe Hardware Security Modules (HSM) Market Size by Country

8.4.1 Europe Hardware Security Modules (HSM) Market Size by Country (2019 VS 2023 VS 2030)

8.4.2 Europe Hardware Security Modules (HSM) Market Size by Country (2019-2024)

8.4.3 Europe Hardware Security Modules (HSM) Market Size by Country (2025-2030)

8.4.4 Europe Hardware Security Modules (HSM) Market Share by Country (2019-2030)

8.4.5 Germany

8.4.6 France

8.4.7 U.K.

8.4.8 Italy

8.4.9 Russia

8.4.10 Nordic Countries

## **9 CHINA**



- 9.1 China Hardware Security Modules (HSM) Market Size (2019-2030)
- 9.2 China Hardware Security Modules (HSM) Market Size by Type
  - 9.2.1 China Hardware Security Modules (HSM) Market Size by Type (2019-2024)
  - 9.2.2 China Hardware Security Modules (HSM) Market Size by Type (2025-2030)
  - 9.2.3 China Hardware Security Modules (HSM) Market Share by Type (2019-2030)
- 9.3 China Hardware Security Modules (HSM) Market Size by Application
  - 9.3.1 China Hardware Security Modules (HSM) Market Size by Application (2019-2024)
  - 9.3.2 China Hardware Security Modules (HSM) Market Size by Application (2025-2030)
  - 9.3.3 China Hardware Security Modules (HSM) Market Share by Application (2019-2030)

## **10 ASIA**

- 10.1 Asia Hardware Security Modules (HSM) Market Size (2019-2030)
- 10.2 Asia Hardware Security Modules (HSM) Market Size by Type
  - 10.2.1 Asia Hardware Security Modules (HSM) Market Size by Type (2019-2024)
  - 10.2.2 Asia Hardware Security Modules (HSM) Market Size by Type (2025-2030)
  - 10.2.3 Asia Hardware Security Modules (HSM) Market Share by Type (2019-2030)
- 10.3 Asia Hardware Security Modules (HSM) Market Size by Application
  - 10.3.1 Asia Hardware Security Modules (HSM) Market Size by Application (2019-2024)
  - 10.3.2 Asia Hardware Security Modules (HSM) Market Size by Application (2025-2030)
  - 10.3.3 Asia Hardware Security Modules (HSM) Market Share by Application (2019-2030)
- 10.4 Asia Hardware Security Modules (HSM) Market Size by Country
  - 10.4.1 Asia Hardware Security Modules (HSM) Market Size by Country (2019 VS 2023 VS 2030)
  - 10.4.2 Asia Hardware Security Modules (HSM) Market Size by Country (2019-2024)
  - 10.4.3 Asia Hardware Security Modules (HSM) Market Size by Country (2025-2030)
  - 10.4.4 Asia Hardware Security Modules (HSM) Market Share by Country (2019-2030)
  - 10.4.5 Japan
  - 10.4.6 South Korea
  - 10.4.7 China Taiwan
  - 10.4.8 Southeast Asia
  - 10.4.9 India

#### 10.4.10 Australia

### **11 MEALA**

#### 11.1 MEALA Hardware Security Modules (HSM) Market Size (2019-2030)

#### 11.2 MEALA Hardware Security Modules (HSM) Market Size by Type

##### 11.2.1 MEALA Hardware Security Modules (HSM) Market Size by Type (2019-2024)

##### 11.2.2 MEALA Hardware Security Modules (HSM) Market Size by Type (2025-2030)

##### 11.2.3 MEALA Hardware Security Modules (HSM) Market Share by Type (2019-2030)

#### 11.3 MEALA Hardware Security Modules (HSM) Market Size by Application

##### 11.3.1 MEALA Hardware Security Modules (HSM) Market Size by Application (2019-2024)

##### 11.3.2 MEALA Hardware Security Modules (HSM) Market Size by Application (2025-2030)

##### 11.3.3 MEALA Hardware Security Modules (HSM) Market Share by Application (2019-2030)

#### 11.4 MEALA Hardware Security Modules (HSM) Market Size by Country

##### 11.4.1 MEALA Hardware Security Modules (HSM) Market Size by Country (2019 VS 2023 VS 2030)

##### 11.4.2 MEALA Hardware Security Modules (HSM) Market Size by Country (2019-2024)

##### 11.4.3 MEALA Hardware Security Modules (HSM) Market Size by Country (2025-2030)

##### 11.4.4 MEALA Hardware Security Modules (HSM) Market Share by Country (2019-2030)

##### 11.4.5 Brazil

##### 11.4.6 Mexico

##### 11.4.7 Turkey

##### 11.4.8 Israel

##### 11.4.9 GCC Countries

### **12 CONCLUDING INSIGHTS**

### **13 APPENDIX**

#### 13.1 Reasons for Doing This Study

#### 13.2 Research Methodology

#### 13.3 Research Process

#### 13.4 Authors List of This Report



## 13.5 Data Source

### 13.5.1 Secondary Sources

### 13.5.2 Primary Sources

## 13.6 Disclaimer

## I would like to order

Product name: Global Hardware Security Modules (HSM) Market by Size, by Type, by Application, by Region, History and Forecast 2019-2030

Product link: <https://marketpublishers.com/r/G6FBA7B6513FEN.html>

Price: US\$ 3,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G6FBA7B6513FEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

