

Global Hardware-based Full Disk Encryption Market by Size, by Type, by Application, by Region, History and Forecast 2019-2030

<https://marketpublishers.com/r/G23935C06BB2EN.html>

Date: April 2024

Pages: 131

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

ID: G23935C06BB2EN

Abstracts

This report studies the Hardware-based Full Disk Encryption market, Hardware-based Full Disk Encryption (FDE) is available from many hard disk drive (HDD) vendors, including: Seagate Technology, Western Digital, Samsung, Toshiba and also solid-state drive vendors such as SanDisk, Samsung, Micron and Integral Memory. The symmetric encryption key is maintained independently from the CPU, thus removing computer memory as a potential attack vector.

Full-disk encryption is encryption at the hardware level. FDE works by automatically converting data on a hard drive into a form that cannot be understood by anyone who doesn't have the key to "undo" the conversion.

According to APO Research, The global Hardware-based Full Disk Encryption 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.

Southeast Asia is the largest region of Hardware-based Full Disk Encryption, with a market share about 35%, followed by China, Europe and North America, etc. Seagate Technology PLC, Western Digital Corp, Samsung Electronics, Toshiba and Kingston are the top 5 manufacturers of industry, and they had about 75% combined market share.

In terms of production side, this report researches the Hardware-based Full Disk Encryption production, growth rate, market share by manufacturers and by region (region level and country level), from 2019 to 2024, and forecast to 2030.

In terms of consumption side, this report focuses on the sales of Hardware-based Full Disk Encryption by region (region level and country level), by company, by type and by application. from 2019 to 2024 and forecast to 2030.

This report presents an overview of global market for Hardware-based Full Disk Encryption, capacity, output, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Hardware-based Full Disk Encryption, also provides the consumption of main regions and countries. Of the upcoming market potential for Hardware-based Full Disk Encryption, 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-based Full Disk Encryption sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global Hardware-based Full Disk Encryption 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, sales, revenue, and price, from 2019 to 2030. Evaluation and forecast the market size for Hardware-based Full Disk Encryption sales, projected growth trends, production technology, application and end-user industry.

Descriptive company profiles of the major global players, including Seagate Technology PLC, Western Digital Corp, Samsung Electronics, Toshiba, Kingston, Micron Technology Inc and Intel, etc.

Hardware-based Full Disk Encryption segment by Company

Seagate Technology PLC

Western Digital Corp

Samsung Electronics

Toshiba

Kingston

Micron Technology Inc

Intel

Hardware-based Full Disk Encryption segment by Type

Hard Disk Drive (HDD) FDE

Solid State Drives (SSD) FDE

Hardware-based Full Disk Encryption segment by Application

IT & Telecom

BFSI

Government & Public Utilities

Manufacturing Enterprise

Others

Hardware-based Full Disk Encryption 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-based Full Disk Encryption 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-based Full Disk Encryption 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-based Full Disk Encryption.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Provides an overview of the Hardware-based Full Disk Encryption market, including product definition, global market growth prospects, production value, capacity, and average price forecasts (2019-2030).

Chapter 2: Analysis key trends, drivers, challenges, and opportunities within the global Hardware-based Full Disk Encryption industry.

Chapter 3: Detailed analysis of Hardware-based Full Disk Encryption market competition landscape. Including Hardware-based Full Disk Encryption manufacturers' output value, output and average price from 2019 to 2024, as well as competition analysis indicators such as origin, product type, application, merger and acquisition information, etc.

Chapter 4: Provides the analysis of various market segments by type, covering the market size 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 market size 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 players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 7: Production/Production Value of Hardware-based Full Disk Encryption by region. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 8: Consumption of Hardware-based Full Disk Encryption in regional level and country 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 production of each country in the world.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Concluding Insights of the report.

Contents

1 MARKET OVERVIEW

1.1 Product Definition

1.2 Global Market Growth Prospects

1.2.1 Global Hardware-based Full Disk Encryption Production Value Estimates and Forecasts (2019-2030)

1.2.2 Global Hardware-based Full Disk Encryption Production Capacity Estimates and Forecasts (2019-2030)

1.2.3 Global Hardware-based Full Disk Encryption Production Estimates and Forecasts (2019-2030)

1.2.4 Global Hardware-based Full Disk Encryption Market Average Price (2019-2030)

1.3 Assumptions and Limitations

1.4 Study Goals and Objectives

2 GLOBAL HARDWARE-BASED FULL DISK ENCRYPTION MARKET DYNAMICS

2.1 Hardware-based Full Disk Encryption Industry Trends

2.2 Hardware-based Full Disk Encryption Industry Drivers

2.3 Hardware-based Full Disk Encryption Industry Opportunities and Challenges

2.4 Hardware-based Full Disk Encryption Industry Restraints

3 HARDWARE-BASED FULL DISK ENCRYPTION MARKET BY MANUFACTURERS

3.1 Global Hardware-based Full Disk Encryption Production Value by Manufacturers (2019-2024)

3.2 Global Hardware-based Full Disk Encryption Production by Manufacturers (2019-2024)

3.3 Global Hardware-based Full Disk Encryption Average Price by Manufacturers (2019-2024)

3.4 Global Hardware-based Full Disk Encryption Industry Manufacturers Ranking, 2022 VS 2023 VS 2024

3.5 Global Hardware-based Full Disk Encryption Key Manufacturers Manufacturing Sites & Headquarters

3.6 Global Hardware-based Full Disk Encryption Manufacturers, Product Type & Application

3.7 Global Hardware-based Full Disk Encryption Manufacturers Commercialization Time

3.8 Market Competitive Analysis

3.8.1 Global Hardware-based Full Disk Encryption Market CR5 and HHI

3.8.2 Global Top 5 and 10 Hardware-based Full Disk Encryption Players Market Share by Production Value in 2023

3.8.3 2023 Hardware-based Full Disk Encryption Tier 1, Tier 2, and Tier

4 HARDWARE-BASED FULL DISK ENCRYPTION MARKET BY TYPE

4.1 Hardware-based Full Disk Encryption Type Introduction

4.1.1 Hard Disk Drive (HDD) FDE

4.1.2 Solid State Drives (SSD) FDE

4.2 Global Hardware-based Full Disk Encryption Production by Type

4.2.1 Global Hardware-based Full Disk Encryption Production by Type (2019 VS 2023 VS 2030)

4.2.2 Global Hardware-based Full Disk Encryption Production by Type (2019-2030)

4.2.3 Global Hardware-based Full Disk Encryption Production Market Share by Type (2019-2030)

4.3 Global Hardware-based Full Disk Encryption Production Value by Type

4.3.1 Global Hardware-based Full Disk Encryption Production Value by Type (2019 VS 2023 VS 2030)

4.3.2 Global Hardware-based Full Disk Encryption Production Value by Type (2019-2030)

4.3.3 Global Hardware-based Full Disk Encryption Production Value Market Share by Type (2019-2030)

5 HARDWARE-BASED FULL DISK ENCRYPTION MARKET BY APPLICATION

5.1 Hardware-based Full Disk Encryption Application Introduction

5.1.1 IT & Telecom

5.1.2 BFSI

5.1.3 Government & Public Utilities

5.1.4 Manufacturing Enterprise

5.1.5 Others

5.2 Global Hardware-based Full Disk Encryption Production by Application

5.2.1 Global Hardware-based Full Disk Encryption Production by Application (2019 VS 2023 VS 2030)

5.2.2 Global Hardware-based Full Disk Encryption Production by Application (2019-2030)

5.2.3 Global Hardware-based Full Disk Encryption Production Market Share by

Application (2019-2030)

5.3 Global Hardware-based Full Disk Encryption Production Value by Application

5.3.1 Global Hardware-based Full Disk Encryption Production Value by Application (2019 VS 2023 VS 2030)

5.3.2 Global Hardware-based Full Disk Encryption Production Value by Application (2019-2030)

5.3.3 Global Hardware-based Full Disk Encryption Production Value Market Share by Application (2019-2030)

6 COMPANY PROFILES

6.1 Seagate Technology PLC

6.1.1 Seagate Technology PLC Company Information

6.1.2 Seagate Technology PLC Business Overview

6.1.3 Seagate Technology PLC Hardware-based Full Disk Encryption Production, Value and Gross Margin (2019-2024)

6.1.4 Seagate Technology PLC Hardware-based Full Disk Encryption Product Portfolio

6.1.5 Seagate Technology PLC Recent Developments

6.2 Western Digital Corp

6.2.1 Western Digital Corp Company Information

6.2.2 Western Digital Corp Business Overview

6.2.3 Western Digital Corp Hardware-based Full Disk Encryption Production, Value and Gross Margin (2019-2024)

6.2.4 Western Digital Corp Hardware-based Full Disk Encryption Product Portfolio

6.2.5 Western Digital Corp Recent Developments

6.3 Samsung Electronics

6.3.1 Samsung Electronics Company Information

6.3.2 Samsung Electronics Business Overview

6.3.3 Samsung Electronics Hardware-based Full Disk Encryption Production, Value and Gross Margin (2019-2024)

6.3.4 Samsung Electronics Hardware-based Full Disk Encryption Product Portfolio

6.3.5 Samsung Electronics Recent Developments

6.4 Toshiba

6.4.1 Toshiba Company Information

6.4.2 Toshiba Business Overview

6.4.3 Toshiba Hardware-based Full Disk Encryption Production, Value and Gross Margin (2019-2024)

6.4.4 Toshiba Hardware-based Full Disk Encryption Product Portfolio

6.4.5 Toshiba Recent Developments

6.5 Kingston

6.5.1 Kingston Company Information

6.5.2 Kingston Business Overview

6.5.3 Kingston Hardware-based Full Disk Encryption Production, Value and Gross Margin (2019-2024)

6.5.4 Kingston Hardware-based Full Disk Encryption Product Portfolio

6.5.5 Kingston Recent Developments

6.6 Micron Technology Inc

6.6.1 Micron Technology Inc Company Information

6.6.2 Micron Technology Inc Business Overview

6.6.3 Micron Technology Inc Hardware-based Full Disk Encryption Production, Value and Gross Margin (2019-2024)

6.6.4 Micron Technology Inc Hardware-based Full Disk Encryption Product Portfolio

6.6.5 Micron Technology Inc Recent Developments

6.7 Intel

6.7.1 Intel Company Information

6.7.2 Intel Business Overview

6.7.3 Intel Hardware-based Full Disk Encryption Production, Value and Gross Margin (2019-2024)

6.7.4 Intel Hardware-based Full Disk Encryption Product Portfolio

6.7.5 Intel Recent Developments

7 GLOBAL HARDWARE-BASED FULL DISK ENCRYPTION PRODUCTION BY REGION

7.1 Global Hardware-based Full Disk Encryption Production by Region: 2019 VS 2023 VS 2030

7.2 Global Hardware-based Full Disk Encryption Production by Region (2019-2030)

7.2.1 Global Hardware-based Full Disk Encryption Production by Region: 2019-2024

7.2.2 Global Hardware-based Full Disk Encryption Production by Region (2025-2030)

7.3 Global Hardware-based Full Disk Encryption Production by Region: 2019 VS 2023 VS 2030

7.4 Global Hardware-based Full Disk Encryption Production Value by Region (2019-2030)

7.4.1 Global Hardware-based Full Disk Encryption Production Value by Region: 2019-2024

7.4.2 Global Hardware-based Full Disk Encryption Production Value by Region (2025-2030)

7.5 Global Hardware-based Full Disk Encryption Market Price Analysis by Region

(2019-2024)

7.6 Regional Production Value Trends (2019-2030)

7.6.1 North America Hardware-based Full Disk Encryption Production Value
(2019-2030)

7.6.2 Europe Hardware-based Full Disk Encryption Production Value (2019-2030)

7.6.3 Asia-Pacific Hardware-based Full Disk Encryption Production Value (2019-2030)

7.6.4 Latin America Hardware-based Full Disk Encryption Production Value
(2019-2030)

7.6.5 Middle East & Africa Hardware-based Full Disk Encryption Production Value
(2019-2030)

8 GLOBAL HARDWARE-BASED FULL DISK ENCRYPTION CONSUMPTION BY REGION

8.1 Global Hardware-based Full Disk Encryption Consumption by Region: 2019 VS 2023 VS 2030

8.2 Global Hardware-based Full Disk Encryption Consumption by Region (2019-2030)

8.2.1 Global Hardware-based Full Disk Encryption Consumption by Region
(2019-2024)

8.2.2 Global Hardware-based Full Disk Encryption Consumption by Region
(2025-2030)

8.3 North America

8.3.1 North America Hardware-based Full Disk Encryption Consumption Growth Rate
by Country: 2019 VS 2023 VS 2030

8.3.2 North America Hardware-based Full Disk Encryption Consumption by Country
(2019-2030)

8.3.3 U.S.

8.3.4 Canada

8.4 Europe

8.4.1 Europe Hardware-based Full Disk Encryption Consumption Growth Rate by
Country: 2019 VS 2023 VS 2030

8.4.2 Europe Hardware-based Full Disk Encryption Consumption by Country
(2019-2030)

8.4.3 Germany

8.4.4 France

8.4.5 U.K.

8.4.6 Italy

8.4.7 Netherlands

8.5 Asia Pacific

8.5.1 Asia Pacific Hardware-based Full Disk Encryption Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

8.5.2 Asia Pacific Hardware-based Full Disk Encryption Consumption by Country (2019-2030)

8.5.3 China

8.5.4 Japan

8.5.5 South Korea

8.5.6 Southeast Asia

8.5.7 India

8.5.8 Australia

8.6 LAMEA

8.6.1 LAMEA Hardware-based Full Disk Encryption Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

8.6.2 LAMEA Hardware-based Full Disk Encryption Consumption by Country (2019-2030)

8.6.3 Mexico

8.6.4 Brazil

8.6.5 Turkey

8.6.6 GCC Countries

9 VALUE CHAIN AND SALES CHANNELS ANALYSIS

9.1 Hardware-based Full Disk Encryption Value Chain Analysis

9.1.1 Hardware-based Full Disk Encryption Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Manufacturing Cost Structure

9.1.4 Hardware-based Full Disk Encryption Production Mode & Process

9.2 Hardware-based Full Disk Encryption Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 Hardware-based Full Disk Encryption Distributors

9.2.3 Hardware-based Full Disk Encryption Customers

10 CONCLUDING INSIGHTS

11 APPENDIX

11.1 Reasons for Doing This Study

11.2 Research Methodology

11.3 Research Process

11.4 Authors List of This Report

11.5 Data Source

11.5.1 Secondary Sources

11.5.2 Primary Sources

11.6 Disclaimer

I would like to order

Product name: Global Hardware-based Full Disk Encryption Market by Size, by Type, by Application, by Region, History and Forecast 2019-2030

Product link: <https://marketpublishers.com/r/G23935C06BB2EN.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

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G23935C06BB2EN.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

