**World Hardware Encryption Market - Opportunities and Forecasts, 2014 -2020**

**Description:** Hardware Encryption is a hardware based technique that is used for securing digital data. There are two forms of encryption; hardware based encryption and software based encryption. Hardware encryption uses a processor that contains random number of generators to generate encryption key. The key advantage of hardware-based solutions is that they eliminate the typical drawbacks of software-based solutions such as performance degradation for attacks aimed at the encryption key stored in memory. In hardware encryption, the security parameters and safeguard keys enhance the performance of encryption. These security parameters protect the encryption from cold boots and brute force attacks. Hardware encryption is a cost effective method that holds diverse applications in securing data efficiently.

With the advancements in technology, leading market players are developing various hardware encrypted solutions to cater to the increasing demands in the storage industry. Product launch is identified as a prominent strategy in this market. For instance, in 2015, Toshiba Corporation introduced the Toshiba Encrypted USB Flash Drive that utilizes a hardware based encryption process in order to deliver a secure and affordable solution. This product is targeted at corporate enterprises and government agencies. Increasing regulatory compliances and the declining prices of hardware encryption devices majorly drive the growth of this market. Low awareness and limited adoption are key factors that hamper the market growth. However, integration with SOC (System On-Chip) would create numerous opportunities for the growth of the hardware encryption market.

The market is segmented on the basis of usage, application, end user and geography. The usage segment includes storage device (hard disk drives, USB flash drives) and network. The segment of hard disk drives accounted for the maximum revenue share, in 2014, and would go on to consolidate its position during the forecast period (2015–2020). The application segment is categorized into the healthcare, military & aerospace, automotive & transportation, BFSI, IT & telecom and others (retail, education and individual users). The end user segment is classified into industrial/commercial, residential, government agencies.

Based on geography, the world hardware encryption market is segmented across North America, Europe, Asia-Pacific and LAMEA.


**POTENTIAL BENEFITS FOR STAKEHOLDERS:**

- The report provides an in-depth analysis of the hardware encryption market and offers current and future trends to identify lucrative investment pockets in the market
- The report identifies the key drivers, opportunities and restraints that shape the market and provides an impact analysis for the forecast period
- Porter's five forces analysis highlights the potency of buyers and suppliers participating in this market. This would further offer a competitive advantage to stakeholders in making profitable business decisions; thus, helping them to strengthen their supplier and buyer networks
- Current and future trends are outlined to determine the overall attractiveness and highlight the profitable trends in order to gain a stronger foothold in the market
- Market estimation of geographic segments is derived from the current market scenario and expected market trends

**HARDWARE ENCRYPTION MARKET SEGMENTATION**

The market is segmented on the basis of usage, application, end user and geography.

**World Hardware Encryption Market—By Usage**

- Storage device
- Hard disk drive
- USB flash drives
- Network

World Hardware Encryption Market—By Application

- Healthcare Sector
- Military & Aerospace Sector
- Automotive & Transportation Sector
- BFSI
- IT & Telecom
- Others (Retail, Education and Individual users)

World Hardware Encryption Market—By End User

- Industrial/Commercial
- Residential
- Government Agencies

World Hardware Encryption Market—By Geography

- North America
- Europe
- Asia-Pacific
- LAMEA

KEY PLAYERS

- Kingston Technology Corporation Inc.
- Seagate Technology LLC
- NetApp, Inc.
- Certes Networks Inc.
- Micron Technology, Inc.
- SanDisk Corporation
- Toshiba Corporation
- Samsung Electronics Co. Ltd
- Imation Corp.
- Maxim Integrated Products Inc.
- International Business Machines Corporation (IBM)

Contents:

CHAPTER 1 INTRODUCTION

1.1 Report description
1.2 Reasons for doing the study
1.3 Key benefits
1.4 Key market segmentation
1.5 Key audience
1.6 Research methodology

1.6.1 Secondary research
1.6.2 Primary research
1.6.3 Analyst tools and models

CHAPTER 2 EXECUTIVE SUMMARY

2.1 CXO perspective

CHAPTER 3 MARKET OVERVIEW

3.1 Market definition and scope
3.2 Key findings

3.2.1 Top factors impacting the hardware encryption market
3.2.2 Top winning strategies of hardware encryption market
3.2.3 Top investment pockets of hardware encryption market
3.3 Porters five forces

3.3.1 Bargaining power of the suppliers
3.3.2 Bargaining power of buyer
3.3.3 Threat of substitution
3.3.4 Threat of new entrant
3.3.5 Competitive rivalry in the market

3.4 Value chain analysis
3.6 Market share analysis, 2014
3.7 Market dynamics

3.7.1 Drivers

3.7.1.1 Growing number and complexity of data breaches
3.7.1.2 Increased compliance regulations
3.7.1.3 Reduced prices

3.7.2 Restraints

3.7.2.1 Lack of awareness
3.7.2.2 Limiting the use of encrypted devices in some countries

3.7.3 Opportunities

3.7.3.1 Technological advancement on encryption chip

CHAPTER 4 WORLD HARDWARE ENCRYPTION MARKET BY USAGE
4.1 Introduction

4.1.1 Market size and forecast

4.2 Storage device (hard disk drives and USB flash drives)

4.2.1 Key market trends
4.2.2 Competitive scenario
4.2.3 Key growth factors and opportunities
4.2.4 Market size and forecast

4.3 Network

4.3.1 Key market trends
4.3.2 Competitive scenario
4.3.3 Key growth factors and opportunities
4.3.4 Market size and forecast

CHAPTER 5 WORLD HARDWARE ENCRYPTION MARKET BY APPLICATION
5.1 Introduction

5.1.1 Market size and forecast
5.1.2 Healthcare sector

5.1.2.1 Market size and forecast

5.1.3 Military & aerospace sector

5.1.3.1 Market size and forecast

5.1.4 Automotive & transportation sector
5.1.4.1 Market size and forecast
5.1.5 BFSI
5.1.5.1 Market size and forecast
5.1.6 IT & Telecom
5.1.6.1 Market size and forecast
5.1.7 Others (retail, education and individual users)
5.1.7.1 Market size and forecast

CHAPTER 6 WORLD HARDWARE ENCRYPTION MARKET BY END USER

6.1 Introduction
6.1.1 Market size and forecast
6.1.2 Industrial/commercial
6.1.2.1 Market size and forecast
6.1.3 Residential
6.1.3.1 Market size and forecast
6.1.4 Government agencies
6.1.4.1 Market size and forecast

CHAPTER 7 WORLD HARDWARE ENCRYPTION MARKET BY GEOGRAPHY

7.1 Introduction
7.2 North America
7.2.1 Key market trends
7.2.2 Competitive scenario
7.2.3 Key growth factors and opportunities
7.2.4 Market size and forecast
7.3 Europe
7.3.1 Key market trends
7.3.2 Competitive scenario
7.3.3 Key growth factors and opportunities
7.3.4 Market size and forecast
7.4 Asia-Pacific
7.4.1 Key market trends
7.4.2 Competitive scenario
7.4.3 Key growth factors and opportunities
7.4.4 Market size and forecast
7.5 LAMEA
7.5.1 Key market trends
7.5.2 Competitive scenario
7.5.3 Key growth factors and opportunities
7.5.4 Market size and forecast

CHAPTER 8 COMPANY PROFILES
8.1 Kingston Technology Corporation Inc.

8.1.1 Company overview
8.1.2 Company snapshot
8.1.3 Strategic moves and developments
8.1.4 SWOT analysis & strategic conclusions

8.2 Certes Networks Inc.

8.2.1 Company overview
8.2.2 Company snapshot
8.2.3 Strategic moves and developments
8.2.4 SWOT analysis & strategic conclusions

8.3 Seagate Technology LLC

8.3.1 Company overview
8.3.2 Company snapshot
8.3.3 Business performance
8.3.4 Strategic moves and developments
8.3.5 SWOT analysis & strategic conclusions

8.4 Toshiba Corporation

8.4.1 Company overview
8.4.2 Company snapshot
8.4.3 Business performance
8.4.4 Strategic moves and developments
8.4.5 SWOT analysis & strategic conclusions

8.5 NetApp, Inc.

8.5.1 Company overview
8.5.2 Company snapshot
8.5.3 Business performance
8.5.4 Strategic moves and developments
8.5.5 SWOT analysis and strategic conclusion

8.6 Micron Technology, Inc.

8.6.1 Company overview
8.6.2 Company snapshot
8.6.3 Business performance
8.6.4 Strategic moves and developments
8.6.5 SWOT analysis and strategic conclusion

8.7 Samsung Electronics Co. Ltd.

8.7.1 Company overview
8.7.2 Company snapshot
8.7.3 Business performance
8.7.4 Strategic moves and developments
8.7.5 SWOT analysis and strategic conclusion

8.8 Imation Corp.

8.8.1 Company overview
8.8.2 Company snapshot
8.8.3 Business performance
8.8.4 Strategic moves and developments
8.8.5 SWOT analysis and strategic conclusion
8.9 SanDisk Corporation
8.9.1 Company overview
8.9.2 Company snapshot
8.9.3 Business performance
8.9.4 Strategic moves and developments
8.9.5 SWOT analysis and strategic conclusion

8.10 Maxim Integrated Products, Inc.
8.10.1 Company overview
8.10.2 Company snapshot
8.10.3 Business performance
8.10.4 Strategic moves and developments
8.10.5 SWOT analysis of Maxim Integrated Products, Inc.

8.11 International Business Machines Corporation (IBM)
8.11.1 Company overview
8.11.2 Company snapshot
8.11.3 Business performance
8.11.4 Strategic moves and developments
8.11.5 SWOT Analysis of IBM Corp.

List of Tables
Table 1 World Hardware Encryption Market By Geography, 2014-2020 ($Million)
Table 2 World Hardware Encryption Market By Usage, 2014-2020 ($Million)
Table 3 Hard Disk Drives Shipment, 2011-2014 ($Million)
Table 4 USB Flash Drives Shipment, 2010-2013 ($Million)
Table 5 World Hardware Storage Device (Hard Disk Drives & USB Flash Drives) Encryption Market By Geography, 2014-2020 ($Million)
Table 6 World Hardware Network Encryption Market By Geography, 2014-2020 ($Million)
Table 7 World Hardware Encryption Market By Application, 2014-2020 ($Million)
Table 8 Healthcare Spending By Region ($Million)
Table 9 World Hardware Encryption Healthcare Market By Geography, 2014-2020 ($Million)
Table 10 Military Expenditure By Country ($Million)
Table 11 World Hardware Encryption Military & Aerospace Sector Market By Geography, 2014-2020 ($Million)
Table 12 World Hardware Encryption Automotive & Transportation Sector Market By Geography, 2014-2020 ($Million)
Table 13 World Hardware Encryption IT & Telecom Market By Geography, 2014-2020 ($Million)
Table 14 World Hardware Encryption BFSI Market By Geography, 2014-2020 ($Million)
Table 15 World Hardware Encryption Others (Retail, Education And Individual Users) Market By Geography, 2014-2020 ($Million)
Table 16 World Hardware Encryption End User Market By Geography, 2014-2020 ($Million)
Table 17 World Hardware Encryption Industrial/Commercial Market By Geography, 2014-2020 ($Million)
Table 18 World Hardware Encryption Residential Market By Geography, 2014-2020 ($Million)
Table 19 World Hardware Encryption Government Agencies Market By Geography, 2014-2020 ($Million)
Table 20 North America Hardware Encryption Market By Usage, 2014-2020 ($Million)
Table 21 Europe Hardware Encryption Market By Usage, 2014-2020 ($Million)
Table 22 Asia-Pacific Hardware Encryption Market By Usage, 2014-2020 ($Million)
Table 23 LAMEA Hardware Encryption Market By Usage, 2014-2020 ($Million)
Table 24 Snapshot Of Kingston Technology Corporation
Table 25 Snapshot Of Certes Networks Inc.
Table 26 Snapshot Of Seagate Technology Llc
Table 27 Snapshot Of Toshiba Corporation
Table 28 Snapshot Of Netapp, Inc.
Table 29 Snapshot Of Micron Technology, Inc.
Table 30 Snapshot Of Samsung Electronics Co. Ltd.
Table 31 Snapshot Of Imation Corp.
Table 32 Snapshot Of Sandisk Corporation
Table 33 Snapshot Of Maxim Integrated Products, Inc.
Table 34 Snapshot Of IBM Corporation
List of Figures
Fig. 1 Top Impacting Factors
Fig. 2 Top Winning Strategies In The Hardware Encryption Market (2013-2015)
Fig. 3 Top Winning Strategies (Percentage Comparison) (2013-2015)
Fig. 4 Top Investment Pockets
Fig. 5 Porters Five Forces Of Hardware Encryption Market
Fig. 6 Value Chain Analysis Of Hardware Encryption Market
Fig. 7 Market Share Analysis Of Hardware Encryption Market, 2014
Fig. 8 Growth Stage Of Hard Disk Drives, USB Flash Drives And Encrypted Network
Fig. 9 Healthcare R&D Expenditure By Region (Percentage Comparison)
Fig. 10 World Vehicle Production By Region (Percentage Comparison)
Fig. 11 Revenue By Geography (Percentage Comparison), 2014
Fig. 12 Swot Analysis Of Kingston Technology Corporation Inc.
Fig. 13 Swot Analysis Of Certes Network Inc.
Fig. 14 Revenue Of Seagate Technology Llc, 2013 2015 ($Million)
Fig. 15 Revenue Of Seagate Technology Llc By Geography, 2015 (%)
Fig. 16 Swot Analysis Of Seagate Technology Llc
Fig. 17 Net Sales Of Toshiba Corporation, 2012 2014 ($Million)
Fig. 18 Net Sales Of Toshiba Corporation, By Operating Segments, 2014 (%)
Fig. 19 Net Sales Of Toshiba Corporation, By Geography, 2014 (%)
Fig. 20 Swot Analysis Of Toshiba Corporation
Fig. 21 Revenue Of Netapp, Inc., 2013-2015 ($Million)
Fig. 22 Revenue Of Netapp, Inc., By Geography, 2015 (%)
Fig. 23 Swot Analysis Of Netapp, Inc.
Fig. 24 Net Sales Of Micron Technology, Inc., 2012-2014 ($Million)
Fig. 25 Net Sales Of Micron Technology, Inc. By Business Segment, 2014 (%)
Fig. 26 Net Sales Of Micron Technology, Inc. By Geography, 2014 (%)
Fig. 27 Swot Analysis Of Micron Technology, Inc.
Fig. 28 Revenue Of Samsung Electronics Co. Ltd., 2012-2014 ($Million)
Fig. 29 Swot Analysis Of Samsung Electronics Co. Ltd.
Fig. 30 Revenue Of Imation Corp., 2012-2014 ($Million)
Fig. 31 Revenue Of Imation Corp. By Business Segment, 2014 (%)
Fig. 32 Swot Analysis Of Imation Corp.
Fig. 33 Revenue Of Sandisk Corporation, 2012-2014 ($Million)
Fig. 34 Revenue Of Sandisk Corporation By Geography, 2014 (%)
Fig. 35 Swot Analysis Of Sandisk Corporation
Fig. 36 Revenue Of Maxim Integrated Products, Inc, 2013-2015 ($Million)
Fig. 37 Revenue Of Maxim Integrated Products By Geography, 2015 (%)
Fig. 38 Swot Analysis Of Maxim Integrated Products, Inc.
Fig. 39 Revenue Of IBM Corporation, 2012-2014 ($Million)
Fig. 40 Revenue Of IBM Corporation, By Business Segment, 2014 (%)
Fig. 41 Revenue Of IBM Corporation, By Geography, 2014 (%)
Fig. 42 Swot Analysis Of IBM Corporation

Ordering:
Order Online - [http://www.researchandmarkets.com/reports/3493630/](http://www.researchandmarkets.com/reports/3493630/)
Order by Fax - using the form below
Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

- Product Name: World Hardware Encryption Market - Opportunities and Forecasts, 2014 - 2020
- Web Address: http://www.researchandmarkets.com/reports/3493630/
- Office Code: SCDK3XQ7

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User:</td>
<td>USD 4515</td>
</tr>
<tr>
<td>Hard Copy:</td>
<td>USD 5325 + USD 58 Shipping/Handling</td>
</tr>
<tr>
<td>CD-ROM:</td>
<td>USD 5325 + USD 58 Shipping/Handling</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users:</td>
<td>USD 5325</td>
</tr>
<tr>
<td>Electronic (PDF) - Site License:</td>
<td>USD 7350</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide:</td>
<td>USD 10680</td>
</tr>
</tbody>
</table>

* Shipping/Handling is only charged once per order.

Contact Information
Please enter all the information below in BLOCK CAPITALS

<table>
<thead>
<tr>
<th>Title:</th>
<th>Mr</th>
<th>Mrs</th>
<th>Dr</th>
<th>Miss</th>
<th>Ms</th>
<th>Prof</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Last Name:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Email Address: *</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Job Title:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organisation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Address:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>City:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Postal / Zip Code:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Country:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phone Number:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Title:</td>
<td>Mr □</td>
<td>Mrs □</td>
<td>Dr □</td>
<td>Miss □</td>
<td>Ms □</td>
<td>Prof □</td>
</tr>
<tr>
<td>-------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td>-------</td>
<td>------</td>
<td>-------</td>
</tr>
</tbody>
</table>

Fax Number:

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:

Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

- Account number: 833 130 83
- Sort code: 98-53-30
- Swift code: ULSBIE2D
- IBAN number: IE78ULSB98533083313083
- Bank Address: Ulster Bank, 27-35 Main Street, Blackrock, Co. Dublin, Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ______________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:

(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World