

Hardware Encryption: Market Research Report

https://marketpublishers.com/r/H0F8B255690EN.html

Date: January 2015

Pages: 170

Price: US\$ 4,500.00 (Single User License)

ID: H0F8B255690EN

Abstracts

This report analyzes the worldwide markets for Hardware Encryption in US\$ Million. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World. Annual estimates and forecasts are provided for the period 2014 through 2020. Also, a seven-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs. The report profiles 52 companies including many key and niche players such as -

Atmel Corporation

Bluefin Payment Systems

Broadcom

CardConnect, LLC

Cavium



Contents

I. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS

Study Reliability and Reporting Limitations
Disclaimers
Data Interpretation & Reporting Level
Quantitative Techniques & Analytics
Product Definitions and Scope of Study

II. EXECUTIVE SUMMARY

1. INDUSTRY OVERVIEW

Encryption: A Critical Data Leakage Prevention Strategy in the Internet Era

Table 1. Key Points of Data Leakage in an Enterprise (includes corresponding Graph/Chart)

Hardware Encryption: Pushing Security Down to the Chip Level Review of Major Trends, Drivers & Issues Need to Counter Data Leakage in the Cloud Spurs Demand for Hardware Encryption

Table 2. Rising Global Shipments of Cloud Servers Drives Business Opportunities for Hardware Encryption in Servers: Global Breakdown of Cloud Server Shipments (In 000 Units) for the Year 2013, 2015 & 2018 (includes corresponding Graph/Chart)

Robust Demand for Cloud Storage Services Spurs Growth of Hardware Encrypted Cloud Storage Servers

Table 3. Hardware Encrypted Cloud Storage Servers to Receive a Boost From the 30% Projected Growth in Revenues From Cloud Storage as a Service: Global Breakdown of Revenues Generated from Cloud Storage Services (In US\$ Million) for the Years 2010, 2015 & 2018 (includes corresponding Graph/Chart)

The Rise of "Internet of Things" Fuels the Need for Hardware-Based Security



Table 4. With Over 387% Growth in Connected Autonomous Things by 2020 in the IoT Ecosystem, the Need for Hardware-Based Security for Connected Systems is Forecast to Explode: Breakdown of the Installed Base of IoT Connected Devices (In Million Units) for the Years 2015 & 2020 (includes corresponding Graph/Chart)

The IoT Phenomenon Spurs Demand for Lightweight Hardware Cryptography Growth in the Video Surveillance Industry Spurs Demand for Transmission-Encryption Devices

Table 5. Robust Sales of Network Cameras to Spur Opportunities for Built-in Hardware Security Solutions: Global Breakdown of Sales of IP/Network Cameras (In US\$ Million) by Region/Country (includes corresponding Graph/Chart)

BYOD & CYOD Trends Aggravate the Risk of Data Leakage & Fuel the Business Case for Device Encryption

Hardware Encryption Support for Android "Lollipop" Opens Up the Sluice Gates of Opportunities in the Rapidly Growing Smartphones Market

Table 6. Anticipated Acceleration in Smartphone Demand: A Measure of Business Potential for Hard Drive Encryption Solutions For Mobile Devices: Breakdown of Growth (In %) in the World Smartphones Market by Region/ Country for the Period 2014-2020 (includes corresponding Graph/Chart)

Growing Security Needs in Embedded Systems Drives Market Growth

Table 7. Strong Growth in Embedded Systems Opens New Opportunities for Security Encryption Microcontrollers (MCUs): Global Breakdown of Sales of Embedded Systems (In US\$ Million) by Region/Country (includes corresponding Graph/Chart)

Strong Demand for Security Tools for Industry 4. 0: A Key Growth Driver Stringent PCI Data Security Standards/Regulations Spurs Demand for P2PE Devices

Table 8. Growing Volume of Card Transactions Spurs the Need for Deployment of Point-



to-Point Encryption (P2PE) Devices: Breakdown of Global Volume of Card Transactions (In Billion) by Region for the Years 2011 & 2015 (includes corresponding Graph/Chart)

Hardware Security Performance & Design Innovations at the Chip Level to Benefit the Market

SSD Drives With Built-In AES Encryption to Witness Strong Demand

Table 9. Strong Growth in the SSD Market Amplifies the Business Opportunity for SSDs with Built-In Hardware Encryption: Global Shipments of Solid State Drives (SSDs) (In Million Units) for the Years 2013, 2015 & 2017 (includes corresponding Graph/Chart)

Encrypted Flash Drives Make Inroads...

Developed Countries Dominate the Market, Developing Countries to Lead Growth Market Outlook

2. PRODUCT OVERVIEW

Hardware Encryption- A Review

Attributes of Hardware Based Encryption

Encryption Key Generation & Storage in Dedicated Hardware Encryption

Advantages of Hardware Encryption Over Software Encryption in SSD

Types of Hardware-FDE

Hard Disk Drive Full Disk Encryption (HDD FDE)

Enclosed Hard Disk Drive FDE

Bridge and Chipset (BC) FDE

AES Hardware Encryption

Protecting Data at Rest

Tape Encryption

Disk Encryption

Trusted Platform Module

3. RECENT INDUSTRY ACTIVITY

Imation Launches IronKey S1000 USB 3. 0 Flash Drive
Toshiba Launches Encrypted USB Flash Drive
Kingston Unveils DataTraveler 4000 Gen. 2 and DataTraveler
IDrive Online Rolls-Out IDrive
Kanguru Receives Common Criteria Certification



DataLocker Introduces DL3 FIPS Edition

Rock Solid Enters into Partnership with Tresys

SanDisk Receives WinMagic Certified Secure Certificate

Micron Rolls Out M550 SSD

iStorage Rolls-Out 2TB diskAshu

Kanguru Introduces Defender Elite200

WD Introduces New Portable Hard Drives

ROCSTOR Unveils Amphibious X5

4. FOCUS ON SELECT GLOBAL PLAYERS

Atmel Corporation (US)

Bluefin Payment Systems (US)

Broadcom (US)

CardConnect, LLC (US)

Cavium (US)

Cryptography Research, Inc. (US)

Futurex (US)

Harris (US)

IBM (US)

Imation Corporation (US)

Ingenico Group (France)

Kanguru Solutions (US)

Kingston Technology Corporation (US)

Koolspan Inc. (US)

Maxim Integrated Products Inc. (US)

Merchant Link (US)

Merlincryption LLC (US)

Micron Technology, Inc. (US)

Netapp Inc. (US)

Safenet (US)

Samsung Electronics Co. Ltd. (South Korea)

SanDisk Corporation (US)

Seagate Technology PLC (US)

Thales e-Security, Inc. (US)

Toshiba Corporation (Japan)

Utimaco (Germany)

Viasat Inc. (US)

Western Digital Corporation (US)

Hardware Encryption: Market Research Report



Winmagic Inc. (Canada)
Worldline (France)

5. GLOBAL MARKET PERSPECTIVE

Table 10. World Recent Past, Current and Future Analysis for Hardware Encryption by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific, Latin America and Rest of World Markets Independently Analyzed with Annual Revenue Figures in US\$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 11. World Historic Review for Hardware Encryption by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific, Latin America and Rest of World Markets Independently Analyzed with Annual Revenue Figures in US\$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 12. World 14-Year Perspective for Hardware Encryption by Geographic Region - Percentage Breakdown of Revenues for US, Canada, Japan, Europe, Asia-Pacific, Latin America and Rest of World Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

III. MARKET

1. THE UNITED STATES

A. Market Analysis
Outlook
Recent Industry Activity
Key Players
B. Market Analytics

Table 13. US Recent Past, Current and Future Analysis for Hardware Encryption Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 14. US Historic Review for Hardware Encryption Market Independently Analyzed with Annual Revenue Figures in US\$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)



2. CANADA

A. Market AnalysisOutlookWinmagic Inc. - A Leading PlayerB. Market Analytics

Table 15. Canadian Recent Past, Current and Future Analysis for Hardware Encryption Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 16. Canadian Historic Review for Hardware Encryption Market Independently Analyzed with Annual Revenue Figures in US\$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

3. JAPAN

A. Market AnalysisOutlookToshiba Corporation - A Leading PlayerB. Market Analytics

Table 17. Japanese Recent Past, Current and Future Analysis for Hardware Encryption Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 18. Japanese Historic Review for Hardware Encryption Market Independently Analyzed with Annual Revenue Figures in US\$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

4. EUROPE

A. Market AnalysisOutlookB. Market Analytics



Table 19. European Recent Past, Current and Future Analysis for Hardware Encryption by Geographic Region - France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Revenue Figures in US\$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 20. European Historic Review for Hardware Encryption by Geographic Region - France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Revenue Figures in US\$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 21. European 14-Year Perspective for Hardware Encryption by Geographic Region - Percentage Breakdown of Revenues for France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

4A. FRANCE

A. Market AnalysisOutlookKey PlayersB. Market Analytics

Table 22. French Recent Past, Current and Future Analysis for Hardware Encryption Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 23. French Historic Review for Hardware Encryption Market Independently Analyzed with Annual Revenue Figures in US\$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

4B. GERMANY

A. Market AnalysisOutlookUtimaco - A Leading PlayerB. Market Analytics



Table 24. German Recent Past, Current and Future Analysis for Hardware Encryption Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 25. German Historic Review for Hardware Encryption Market Independently Analyzed with Annual Revenue Figures in US\$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

4C. ITALY

A. Market AnalysisOutlookB. Market Analytics

Table 26. Italian Recent Past, Current and Future Analysis for Hardware Encryption Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 27. Italian Historic Review for Hardware Encryption Market Independently Analyzed with Annual Revenue Figures in US\$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

4D. THE UNITED KINGDOM

A. Market Analysis
Outlook
Recent Industry Activity
B. Market Analytics

Table 28. UK Recent Past, Current and Future Analysis for Hardware Encryption Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 29. UK Historic Review for Hardware Encryption Market Independently Analyzed with Annual Revenue Figures in US\$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)



4E. SPAIN

A. Market AnalysisOutlookB. Market Analytics

Table 30. Spanish Recent Past, Current and Future Analysis for Hardware Encryption Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 31. Spanish Historic Review for Hardware Encryption Market Independently Analyzed with Annual Revenue Figures in US\$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

4F. RUSSIA

A. Market AnalysisOutlookB. Market Analytics

Table 32. Russian Recent Past, Current and Future Analysis for Hardware Encryption Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 33. Russian Historic Review for Hardware Encryption Market Independently Analyzed with Annual Revenue Figures in US\$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

4G. REST OF EUROPE

A. Market AnalysisOutlookB. Market Analytics

Table 34. Rest of Europe Recent Past, Current and Future Analysis for Hardware Encryption Market Analyzed with Annual Revenue Figures in US\$ Million for Years



2014 through 2020 (includes corresponding Graph/Chart)

Table 35. Rest of Europe Historic Review for Hardware Encryption Market Independently Analyzed with Annual Revenue Figures in US\$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

5. ASIA-PACIFIC

A. Market Analysis
Outlook
Samsung Electronics Co. Ltd. (South Korea) - A Key Player
B. Market Analytics

Table 36. Asia-Pacific Recent Past, Current and Future Analysis for Hardware Encryption Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 37. Asia-Pacific Historic Review for Hardware Encryption Market Independently Analyzed with Annual Revenue Figures in US\$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

6. LATIN AMERICA

A. Market AnalysisOutlookB. Market Analytics

Table 38. Latin American Recent Past, Current and Future Analysis for Hardware Encryption Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 39. Latin American Historic Review for Hardware Encryption Market Independently Analyzed with Annual Revenue Figures in US\$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

7. REST OF WORLD



A. Market Analysis

Outlook

B. Market Analytics

Table 40. Rest of World Recent Past, Current and Future Analysis for Hardware Encryption Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 41. Rest of World Historic Review for Hardware Encryption Market Independently Analyzed with Annual Revenue Figures in US\$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

IV. COMPETITIVE LANDSCAPE

Total Companies Profiled: 52 (including Divisions/Subsidiaries - 56)

The United States (43)

Canada (1)

Japan (1)

Europe (8)

France (3)

Germany (1)

The United Kingdom (2)

Rest of Europe (2)

Asia-Pacific (Excluding Japan) (3)



I would like to order

Product name: Hardware Encryption: Market Research Report

Product link: https://marketpublishers.com/r/H0F8B255690EN.html

Price: US\$ 4,500.00 (Single User License / Electronic Delivery)

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

Service:

info@marketpublishers.com

Payment

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/H0F8B255690EN.html

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

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature
	Custumer 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