

Global Hardware Encryption Market is Expected to Reach \$435.8 Billion by 2022

Premium Market Research Report on "Hardware Encryption-Global Market Outlook (2016-2022)" is available on Orbis Research.

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-- The [Global Hardware Encryption Market](#) is accounted for \$59.5 billion in 2015 and is expected to reach \$435.8 billion by 2022 growing at a CAGR of 32.9%. Rising concern for data privacy, data security issues and emerging trend of portable storage devices are the key factors favouring the Hardware Encryption market. Furthermore, strict regulatory compliances, rising digital trend, increasing count of complex cyber attacks, rising demand for consumer electronics such as smartphones, tablets and advantages over software encryption technology are the drivers for market growth. However, lack of awareness and huge capital investments are inhibiting the Hardware Encryption market.



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In 2015, Application-Specific Integrated Circuits (ASIC) segment dominated the global hardware encryption market with largest market share owing to its demand for the ASIC design based processors for the manufacturing of hardware-encrypted hard disk drives and USB drives. Among the applications, Banking, Financial Services, and Insurance (BFSI) was the largest contributor of the total market revenue in 2015 due to rising adoption of hardware encrypted devices in banking operations to prevent the data breaches, data loss or financial fraud. Asia-Pacific leads the market globally with the biggest market share and is expected to grow with a high CAGR among the other regions. The high growth is attributed to the development of IT and telecommunication network in emerging countries such as China, India, South Korea, Thailand and Malaysia.

Some of the major players in global market include Seagate Technology LLC, Kingston Technology Corporation Inc., Toshiba Corporation, Samsung Electronics Co. Ltd., SanDisk

Corporation, Western Digital Corp., Certes Networks Inc., International Business Machines Corporation (IBM), Micron Technology, Inc., Gemalto NV., Thales (E-Security), NetApp, Inc., Kanguru Solutions, Imation Corp., Maxim Integrated Products, Inc. and Winmagic Inc.

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Algorithms and Standards Covered:

Rivest- Shamir-Adleman (RSA) Algorithm

Advanced Encryption Standard (AES)

Other Algorithms and Standards

Secure Hash Algorithm (SHA)

Digital Signature Algorithm (DSA)

Data Encryption Standard (DES)

Elliptic Curve Cryptography (ECC)

Usage types Covered:

External Hard Disk Drives

Inline Network Encryptors

Internal Hard Disk Drives

Solid-State Drives

USB Flash Drives

Architectures Covered:

Application-Specific Integrated Circuits (ASIC)

Field-Programmable Gate Arrays (FPGA)

Applications Covered:

Automotive & Transportation

Banking, Financial Services, and Insurance (BFSI)

Consumer Electronics

Healthcare

IT & Telecom

Military & Aerospace Sector

Other Applications

Individual users

Retail

Education

End Users Covered:

Commercial

Government Agencies

Industrial

Residential

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

France

Italy

UK

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

Rest of Asia Pacific

Rest of the World

Middle East

Brazil

Argentina

South Africa

Egypt

What our report offers:

- Market share assessments for the regional and country level segments
- Market share analysis of the top industry players
- Strategic recommendations for the new entrants
- Market forecasts for a minimum of 7 years of all the mentioned segments, sub segments and the regional markets
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

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