

Global Hardware Encryption Devices Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Hardware Encryption Devices market size was valued at US\$ 61110 million in 2024 and is forecast to a readjusted size of USD 291520 million by 2031 with a CAGR of 25.3% during review period.

Hardware-based encryption devices offer the security of strong encryption with the ease of minimal configuration and platform interoperability. Hardware encryption can offer several benefits beyond those provided by software encryption. These include faster algorithm processing, tamper-proof or tamper-resistant key storage, and protection against unauthorized code.

United States Hardware Encryption Devices key players include Western Digital Corp, Seagate Technology PLC, Samsung Electronics, Thales, etc. Top four companies hold a share over 50%. In terms of product, Encrypted Hard Disk Drives is the largest segment, with a share over 55%. And in terms of application, the largest channel is IT & Telecom.

This report is a detailed and comprehensive analysis for global Hardware Encryption Devices market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Hardware Encryption Devices market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Hardware Encryption Devices market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Hardware Encryption Devices market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Hardware Encryption Devices market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (USD/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Hardware Encryption Devices

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Hardware Encryption Devices market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Western Digital Corp, Seagate Technology PLC, Samsung Electronics, Micron Technology Inc, Intel, Kingston Technology Corp, Toshiba, Gemalto (Thales), Certes Networks Inc., Kanguru Solutions, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Hardware Encryption Devices market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Encrypted Hard Disk Drives

Encrypted Solid-State Drives

Hardware Security Module

Market segment by Application

IT & Telecom

BFSI

Government & Public Utilities

Manufacturing Enterprise

Others

Major players covered

Western Digital Corp

Seagate Technology PLC

Samsung Electronics

Micron Technology Inc

Intel

Kingston Technology Corp

Toshiba

Gemalto (Thales)

Certes Networks Inc.

Kanguru Solutions

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Hardware Encryption Devices product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Hardware Encryption Devices, with price, sales quantity, revenue, and global market share of Hardware Encryption Devices from 2020 to 2025.

Chapter 3, the Hardware Encryption Devices competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Hardware Encryption Devices breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020

to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Hardware Encryption Devices market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Hardware Encryption Devices.

Chapter 14 and 15, to describe Hardware Encryption Devices sales channel, distributors, customers, research findings and conclusion.

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