Embedded Security Market to Reach USD 12.52 Billion by 2032, amid Rising Demand for Safe Digital Transactions

The increasing prevalence of cyber threats and the growing need for secure digital transactions are driving the demand for embedded security solutions.

AUSTIN, TX, UNITED STATES, January 24, 2025 /EINPresswire.com/ -- Market Size & Industry Insights

As Per the SNS Insider,"The Embedded Security Market Size was valued at USD 7.07 Billion in 2023 and is expected to reach USD 12.52 Billion by 2032 and grow at a CAGR of 6.60% over the forecast period 2024-2032."

EMBEDDED SECURITY MARKET
The embedded security market is growing rapidly, driven by the adoption of connected devices and the expansion of the IoT ecosystem.

MARKET STASTICS

MARKET SIZE IN (2023): USD 7.07 BN
CAGR (2024–2032): 6.60%
MARKET SIZE BY (2032): USD 12.52 BN

REGIONAL ANALYSIS
North America dominated the embedded security market, holding a 38% market share in 2023.

KEY PLAYERS
Infineon   NXP   ST life.augmented   Qualcomm

Embedded Security Market Size & Growth Report

Embedded Security Market Accelerates Due to IoT Expansion and Rising Cybersecurity Needs

The embedded security market is witnessing robust growth, fueled by the increasing adoption of IoT devices and the expansion of the connected ecosystem, which now includes over 18.8 billion devices globally. With devices in vulnerable environments, the demand for advanced security solutions like secure boot, encryption, and trusted execution environments is escalating. This is particularly crucial in sectors like healthcare, where sensitive data must be protected. The financial services sector also drives market growth, with digital payment systems and ATMs requiring secure solutions to prevent fraud and comply with regulations. As cyber threats evolve, the need for scalable and innovative embedded security solutions continues to grow, ensuring safe digital transformations across industries.

Get a Sample Report with Full TOC & Graphs @ https://www.snsinsider.com/sample-request/1561

SWOT Analysis of Key Players as follows:
Infineon Technologies
NXP Semiconductors

STMicroelectronics
Qualcomm
Microchip Technology
Renesas Electronics
Arm Holdings
Texas Instruments
Broadcom
SecureRF
On Semiconductor
Thales Group
Maxim Integrated
Cypress Semiconductor
Atmel
Microsemi
MicroVision
Gemalto
Spyrus
HID Global

Hardware Dominance and Rapid Growth in Payment & Authentication Segments

By Offering

In 2023, the hardware segment led the embedded security market with a 48% share, driven by the demand for secure physical components in devices such as IoT systems, automotive electronics, and consumer electronics. Hardware-based security solutions, including secure elements, trusted platform modules (TPMs), and hardware security modules (HSMs), provide robust, tamper-resistant protection. Leading companies like Infineon Technologies and NXP Semiconductors are key players in offering these solutions.

The services segment is expected to be the fastest-growing between 2024-2032, as organizations seek ongoing protection through services like security consulting, risk assessments, and software updates, with providers like Thales Group and Synopsys at the forefront.

Connect with Our Expert for any Queries @ https://www.snsinsider.com/request-analyst/1561

By Security Type

In 2023, the payment segment dominated the embedded security market with a 46% share, driven by the need for secure transactions in e-commerce, mobile, and contactless payments. Solutions like Secure Elements (SEs) and Trusted Platform Modules (TPMs) ensure data encryption, authentication, and secure payment credential storage. Companies like Thales (Gemalto), Visa, and Mastercard lead in providing secure payment solutions.

The authentication and access management segment is expected to grow rapidly between 2024-2032, fueled by the demand for advanced security methods like multi-factor authentication (MFA), biometrics, and hardware-based authentication. Major players like Microsoft, Okta, and Apple offer embedded security for secure access and personal device authentication.

North America and APAC Lead Embedded Security Market Growth with Robust Demand and Technological Advancements

In 2023, North America dominated the embedded security market, accounting for 38% of the share, driven by strong demand in industries such as automotive, aerospace, and consumer electronics. Key players like Intel, Qualcomm, and Texas Instruments contribute through secure processors and encryption technologies. The region also benefits from regulatory support promoting embedded security in IoT devices, with companies like Lockheed Martin and Honeywell enhancing security in aerospace and defense.

APAC is expected to be the fastest-growing region between 2024-2032, fueled by the expansion of automotive, consumer electronics, and telecommunications industries in China, India, Japan, and South Korea. The rapid adoption of IoT devices, smart home systems, and industrial automation, coupled with investments in 5G, drives demand for embedded security, with companies like Samsung and Sony leading the way.

Make an Inquiry Before Buying @ https://www.snsinsider.com/enquiry/1561

Recent Development

December 4 2024, Infineon Technologies celebrates the success of its 28nm security ICs, which are set to be integrated into 1 billion devices by spring 2025. With over 100 customers using this technology, it continues to lead in automotive, smart cards, and embedded security applications.
On October 1, 2024, STMicroelectronics and Qualcomm Strengthen Partnership to Propel Wireless IoT Advancements STMicroelectronics and Qualcomm Technologies announced an expanded collaboration to develop AI-driven wireless IoT solutions. This partnership focuses on integrating Qualcomm's AI-based wireless technologies into next-generation industrial and consumer IoT products.

Table of Content - Major Points Analysis

Chapter 1. Introduction

Chapter 2. Executive Summary

Chapter 3. Research Methodology

Continued...

Purchase Single User PDF of Embedded Security Market Forecast Report @ https://www.snsinsider.com/checkout/1561

Akash Anand
SNS Insider
+1 415-230-0044
info@snsinsider.com

This press release can be viewed online at: https://www.einpresswire.com/article/779948105