

Embedded Subscriber Identity Module (e-SIM) Market By Application (Connected Car, Smartphone and Tablet, Wearable Device, Others), By Industry Vertical (Automotive, Consumer Electronics, Manufacturing, Telecommunication, Transportation and Logistics, Others): Global Opportunity Analysis and Industry Forecast, 2023-2032

Market Report | 2023-06-01 | 248 pages | Allied Market Research

AVAILABLE LICENSES:

- Cloud Access License \$3456.00
- Business User License \$5730.00
- Enterprise License \$9600.00

Report description:

An E-SIM, known as an embedded SIM, is a digital SIM that enables users to utilize a cellular plan from a telecom carrier without the need for a physical nano-SIM card. It operates similarly to a traditional SIM card but is already built into the device during manufacturing. Activation of the E-SIM involves installing the specific "E-SIM profile" provided by the telecom operator. This profile contains the necessary information to connect to the network of carriers and access services. The advantage of E-SIM technology lies in its convenience, allowing users to switch between carriers or plans without physically changing SIM cards. The E-SIM's pre-installed nature and activation via the profile simplify the process and offer flexibility in managing cellular subscriptions.□□

Remote device management is a key driver fueling the growth of the embedded subscriber identity module (E-SIM) market. The ability to remotely provision, manage, and update E-SIMs over-the-air offers significant advantages for enterprises. Organizations may streamline the deployment and configuration of devices without the need for physical intervention with remote device management. They may remotely activate and provision E-SIMs, eliminating the logistical challenges of distributing and inserting physical SIM cards. Furthermore, remote management enables efficient updates and maintenance of E-SIMs, including the ability to remotely switch network profiles or update connectivity settings. This reduces operational costs by minimizing manual interventions, improving device uptime, and enabling centralized control over a fleet of devices. Remote device management provided by E-SIM technology enhances the efficiency, scalability, and cost-effectiveness of device deployment and maintenance, making it an attractive solution for enterprises across various industries.□□

However, regulatory challenges are a big problem for the E-SIM market. Each country has its own rules about security, data privacy, and telecommunications. This makes things confusing and difficult for E-SIM to work smoothly everywhere. Different regulations create a fragmented situation, making it hard for E-SIM to be used easily and for different devices to work together.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Companies that make devices, provide services, and run mobile networks have to deal with lots of different rules and meet different requirements. This makes things more expensive, slows down progress, and causes uncertainty. If the regulations were the same everywhere, it may make things easier and encourage more people to use E-SIM technology.[]

E-SIM technology presents significant market opportunities for wearable devices, including smartwatches and fitness trackers. E-SIM allows for smaller and more compact designs of wearable devices by removing the requirement for physical SIM cards. This is particularly advantageous in the case of wearable devices where space is limited. In addition, E-SIM provides users with greater flexibility as they may connect their wearable devices directly to cellular networks, independent of the connectivity of a smartphone. This means that users may enjoy features such as calls, messages, and data services directly on their wearable devices, enhancing convenience and usability. Wearable devices become more self-sufficient, offering a seamless and standalone connectivity experience for users with E-SIM. This market opportunity enables the development of innovative and user-friendly wearable devices that enhance the overall user experience.[]

embedded subscriber identity module. The embedded subscriber identity module market is segmented on the basis of application, industry vertical, and region. On the basis of application, the market is divided into connected cars, smartphones & tablets, wearable devices, and others. On the basis of industry vertical, the market is segregated into automotive, consumer electronics, manufacturing, telecommunication, transportation & logistics, and others. On the basis of region, the market is analyzed across North America (the U.S., Canada, and Mexico), Europe (the UK, Germany, France, Italy, and Rest of Europe), Asia-Pacific (China, Japan, India, South Korea, and Rest of Asia-Pacific) and LAMEA (Latin America, Middle East, and Africa).[]

The key players profiled in the embedded subscriber identity module (E-SIM) industry include STMicroelectronics, Infineon Technologies AG, Thales, Sierra Wireless, Deutsche Telekom AG, Giesecke+Devrient Mobile Security GmbH, Telenor group, Vodafone Group Plc, NTT DOCOMO, Inc., and NXP semiconductors.[]

Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the embedded subscriber identity module (e-sim) market analysis from 2022 to 2032 to identify the prevailing embedded subscriber identity module (e-sim) market opportunities.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the embedded subscriber identity module (e-sim) market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global embedded subscriber identity module (e-sim) market trends, key players, market segments, application areas, and market growth strategies.

Key Market Segments

By Application

- Connected Car
- Smartphone and Tablet
- Wearable Device
- Others

By Industry Vertical

- Automotive
- Consumer Electronics
- Manufacturing
- Telecommunication
- Transportation and Logistics
- Others

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- UK
- Germany
- France
- Italy
- Rest of Europe
- Asia-Pacific
- China
- Japan
- India
- South Korea
- Rest of Asia-Pacific
- LAMEA
- Latin America
- Middle East
- Africa
- Key Market Players
- Deutsche Telekom AG
- Giesecke+Devrient Mobile Security GmbH
- Infineon Technologies AG
- NTT DOCOMO, Inc.
- NXP semiconductors
- Sierra Wireless
- STMicroelectronics
- Telenor group
- Thales
- Vodafone Group Plc

Table of Contents:

CHAPTER 1: INTRODUCTION

- 1.1. Report description
- 1.2. Key market segments
- 1.3. Key benefits to the stakeholders
- 1.4. Research Methodology
 - 1.4.1. Primary research
 - 1.4.2. Secondary research
 - 1.4.3. 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

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 3.2.1. Top impacting factors
- 3.2.2. Top investment pockets
- 3.3. Porter's five forces analysis
 - 3.3.1. Moderate-to-high bargaining power of suppliers
 - 3.3.2. Moderate-to-high threat of new entrants
 - 3.3.3. Moderate threat of substitutes
 - 3.3.4. High-to-moderate intensity of rivalry
 - 3.3.5. High-to-moderate bargaining power of buyers
- 3.4. Market dynamics
 - 3.4.1. Drivers
 - 3.4.1.1. Increase in adoption of IoT technology
 - 3.4.1.2. Increase in adoption of connected devices

- 3.4.2. Restraints
 - 3.4.2.1. Device compatibility

- 3.4.3. Opportunities
 - 3.4.3.1. Enterprise solutions

3.5. COVID-19 Impact Analysis on the market

CHAPTER 4: EMBEDDED SUBSCRIBER IDENTITY MODULE (E-SIM) MARKET, BY APPLICATION

- 4.1. Overview
 - 4.1.1. Market size and forecast
- 4.2. Connected Car
 - 4.2.1. Key market trends, growth factors and opportunities
 - 4.2.2. Market size and forecast, by region
 - 4.2.3. Market share analysis by country
- 4.3. Smartphone and Tablet
 - 4.3.1. Key market trends, growth factors and opportunities
 - 4.3.2. Market size and forecast, by region
 - 4.3.3. Market share analysis by country
- 4.4. Wearable Device
 - 4.4.1. Key market trends, growth factors and opportunities
 - 4.4.2. Market size and forecast, by region
 - 4.4.3. Market share analysis by country
- 4.5. Others
 - 4.5.1. Key market trends, growth factors and opportunities
 - 4.5.2. Market size and forecast, by region
 - 4.5.3. Market share analysis by country

CHAPTER 5: EMBEDDED SUBSCRIBER IDENTITY MODULE (E-SIM) MARKET, BY INDUSTRY VERTICAL

- 5.1. Overview
 - 5.1.1. Market size and forecast
- 5.2. Automotive
 - 5.2.1. Key market trends, growth factors and opportunities
 - 5.2.2. Market size and forecast, by region
 - 5.2.3. Market share analysis by country
- 5.3. Consumer Electronics

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 5.3.1. Key market trends, growth factors and opportunities
 - 5.3.2. Market size and forecast, by region
 - 5.3.3. Market share analysis by country
 - 5.4. Manufacturing
 - 5.4.1. Key market trends, growth factors and opportunities
 - 5.4.2. Market size and forecast, by region
 - 5.4.3. Market share analysis by country
 - 5.5. Telecommunication
 - 5.5.1. Key market trends, growth factors and opportunities
 - 5.5.2. Market size and forecast, by region
 - 5.5.3. Market share analysis by country
 - 5.6. Transportation and Logistics
 - 5.6.1. Key market trends, growth factors and opportunities
 - 5.6.2. Market size and forecast, by region
 - 5.6.3. Market share analysis by country
 - 5.7. Others
 - 5.7.1. Key market trends, growth factors and opportunities
 - 5.7.2. Market size and forecast, by region
 - 5.7.3. Market share analysis by country
- CHAPTER 6: EMBEDDED SUBSCRIBER IDENTITY MODULE (E-SIM) MARKET, BY REGION
- 6.1. Overview
 - 6.1.1. Market size and forecast By Region
 - 6.2. North America
 - 6.2.1. Key trends and opportunities
 - 6.2.2. Market size and forecast, by Application
 - 6.2.3. Market size and forecast, by Industry Vertical
 - 6.2.4. Market size and forecast, by country
 - 6.2.4.1. U.S.
 - 6.2.4.1.1. Key market trends, growth factors and opportunities
 - 6.2.4.1.2. Market size and forecast, by Application
 - 6.2.4.1.3. Market size and forecast, by Industry Vertical
 - 6.2.4.2. Canada
 - 6.2.4.2.1. Key market trends, growth factors and opportunities
 - 6.2.4.2.2. Market size and forecast, by Application
 - 6.2.4.2.3. Market size and forecast, by Industry Vertical
 - 6.2.4.3. Mexico
 - 6.2.4.3.1. Key market trends, growth factors and opportunities
 - 6.2.4.3.2. Market size and forecast, by Application
 - 6.2.4.3.3. Market size and forecast, by Industry Vertical
 - 6.3. Europe
 - 6.3.1. Key trends and opportunities
 - 6.3.2. Market size and forecast, by Application
 - 6.3.3. Market size and forecast, by Industry Vertical
 - 6.3.4. Market size and forecast, by country
 - 6.3.4.1. UK
 - 6.3.4.1.1. Key market trends, growth factors and opportunities
 - 6.3.4.1.2. Market size and forecast, by Application

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 6.3.4.1.3. Market size and forecast, by Industry Vertical
- 6.3.4.2. Germany
 - 6.3.4.2.1. Key market trends, growth factors and opportunities
 - 6.3.4.2.2. Market size and forecast, by Application
 - 6.3.4.2.3. Market size and forecast, by Industry Vertical
- 6.3.4.3. France
 - 6.3.4.3.1. Key market trends, growth factors and opportunities
 - 6.3.4.3.2. Market size and forecast, by Application
 - 6.3.4.3.3. Market size and forecast, by Industry Vertical
- 6.3.4.4. Italy
 - 6.3.4.4.1. Key market trends, growth factors and opportunities
 - 6.3.4.4.2. Market size and forecast, by Application
 - 6.3.4.4.3. Market size and forecast, by Industry Vertical
- 6.3.4.5. Rest of Europe
 - 6.3.4.5.1. Key market trends, growth factors and opportunities
 - 6.3.4.5.2. Market size and forecast, by Application
 - 6.3.4.5.3. Market size and forecast, by Industry Vertical
- 6.4. Asia-Pacific
 - 6.4.1. Key trends and opportunities
 - 6.4.2. Market size and forecast, by Application
 - 6.4.3. Market size and forecast, by Industry Vertical
 - 6.4.4. Market size and forecast, by country
 - 6.4.4.1. China
 - 6.4.4.1.1. Key market trends, growth factors and opportunities
 - 6.4.4.1.2. Market size and forecast, by Application
 - 6.4.4.1.3. Market size and forecast, by Industry Vertical
 - 6.4.4.2. Japan
 - 6.4.4.2.1. Key market trends, growth factors and opportunities
 - 6.4.4.2.2. Market size and forecast, by Application
 - 6.4.4.2.3. Market size and forecast, by Industry Vertical
 - 6.4.4.3. India
 - 6.4.4.3.1. Key market trends, growth factors and opportunities
 - 6.4.4.3.2. Market size and forecast, by Application
 - 6.4.4.3.3. Market size and forecast, by Industry Vertical
 - 6.4.4.4. South Korea
 - 6.4.4.4.1. Key market trends, growth factors and opportunities
 - 6.4.4.4.2. Market size and forecast, by Application
 - 6.4.4.4.3. Market size and forecast, by Industry Vertical
 - 6.4.4.5. Rest of Asia-Pacific
 - 6.4.4.5.1. Key market trends, growth factors and opportunities
 - 6.4.4.5.2. Market size and forecast, by Application
 - 6.4.4.5.3. Market size and forecast, by Industry Vertical
- 6.5. LAMEA
 - 6.5.1. Key trends and opportunities
 - 6.5.2. Market size and forecast, by Application
 - 6.5.3. Market size and forecast, by Industry Vertical
 - 6.5.4. Market size and forecast, by country

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 6.5.4.1. Latin America
 - 6.5.4.1.1. Key market trends, growth factors and opportunities
 - 6.5.4.1.2. Market size and forecast, by Application
 - 6.5.4.1.3. Market size and forecast, by Industry Vertical
- 6.5.4.2. Middle East
 - 6.5.4.2.1. Key market trends, growth factors and opportunities
 - 6.5.4.2.2. Market size and forecast, by Application
 - 6.5.4.2.3. Market size and forecast, by Industry Vertical
- 6.5.4.3. Africa
 - 6.5.4.3.1. Key market trends, growth factors and opportunities
 - 6.5.4.3.2. Market size and forecast, by Application
 - 6.5.4.3.3. Market size and forecast, by Industry Vertical

CHAPTER 7: COMPETITIVE LANDSCAPE

- 7.1. Introduction
- 7.2. Top winning strategies
- 7.3. Product Mapping of Top 10 Player
- 7.4. Competitive Dashboard
- 7.5. Competitive Heatmap
- 7.6. Top player positioning, 2022

CHAPTER 8: COMPANY PROFILES

- 8.1. STMicroelectronics
 - 8.1.1. Company overview
 - 8.1.2. Key Executives
 - 8.1.3. Company snapshot
 - 8.1.4. Operating business segments
 - 8.1.5. Product portfolio
 - 8.1.6. Business performance
 - 8.1.7. Key strategic moves and developments
- 8.2. Infineon Technologies AG
 - 8.2.1. Company overview
 - 8.2.2. Key Executives
 - 8.2.3. Company snapshot
 - 8.2.4. Operating business segments
 - 8.2.5. Product portfolio
 - 8.2.6. Business performance
- 8.3. NXP semiconductors
 - 8.3.1. Company overview
 - 8.3.2. Key Executives
 - 8.3.3. Company snapshot
 - 8.3.4. Operating business segments
 - 8.3.5. Product portfolio
 - 8.3.6. Business performance
 - 8.3.7. Key strategic moves and developments
- 8.4. Sierra Wireless
 - 8.4.1. Company overview
 - 8.4.2. Key Executives
 - 8.4.3. Company snapshot

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 8.4.4. Operating business segments
- 8.4.5. Product portfolio
- 8.4.6. Business performance
- 8.4.7. Key strategic moves and developments
- 8.5. Thales
 - 8.5.1. Company overview
 - 8.5.2. Key Executives
 - 8.5.3. Company snapshot
 - 8.5.4. Operating business segments
 - 8.5.5. Product portfolio
 - 8.5.6. Business performance
 - 8.5.7. Key strategic moves and developments
- 8.6. NTT DOCOMO, Inc.
 - 8.6.1. Company overview
 - 8.6.2. Key Executives
 - 8.6.3. Company snapshot
 - 8.6.4. Operating business segments
 - 8.6.5. Product portfolio
 - 8.6.6. Business performance
- 8.7. Vodafone Group Plc
 - 8.7.1. Company overview
 - 8.7.2. Key Executives
 - 8.7.3. Company snapshot
 - 8.7.4. Operating business segments
 - 8.7.5. Product portfolio
 - 8.7.6. Business performance
- 8.8. Telenor group
 - 8.8.1. Company overview
 - 8.8.2. Key Executives
 - 8.8.3. Company snapshot
 - 8.8.4. Operating business segments
 - 8.8.5. Product portfolio
 - 8.8.6. Business performance
 - 8.8.7. Key strategic moves and developments
- 8.9. Deutsche Telekom AG
 - 8.9.1. Company overview
 - 8.9.2. Key Executives
 - 8.9.3. Company snapshot
 - 8.9.4. Operating business segments
 - 8.9.5. Product portfolio
 - 8.9.6. Business performance
 - 8.9.7. Key strategic moves and developments
- 8.10. Giesecke+Devrient Mobile Security GmbH
 - 8.10.1. Company overview
 - 8.10.2. Key Executives
 - 8.10.3. Company snapshot
 - 8.10.4. Operating business segments

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

8.10.5. Product portfolio

8.10.6. Business performance

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Embedded Subscriber Identity Module (e-SIM) Market By Application (Connected Car, Smartphone and Tablet, Wearable Device, Others), By Industry Vertical (Automotive, Consumer Electronics, Manufacturing, Telecommunication, Transportation and Logistics, Others): Global Opportunity Analysis and Industry Forecast, 2023-2032

Market Report | 2023-06-01 | 248 pages | Allied Market Research

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scott's-international.com

ORDER FORM:

Select license	License	Price
	Cloud Access License	\$3456.00
	Business User License	\$5730.00
	Enterprise License	\$9600.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scott's-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scott's-international.com

www.scott's-international.com

Date

2026-03-11

Signature

A large, empty rectangular box intended for a signature.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com