

Embedded Systems Market By Component (Hardware, Software), By Application (Automotive, Consumer Electronics, Industrial, Aerospace and Defense, Others): Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2022-11-01 | 265 pages | Allied Market Research

AVAILABLE LICENSES:

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

Report description:

The global embedded systems market was valued at \$89,120.0 million in 2021, and is projected to reach \$163,178.13 million by 2031, registering a CAGR of 6.5% from 2022 to 2031. Due to the rising need for advanced driver-assistance systems (ADAS) in electric cars (EVs) and hybrid vehicles, the global embedded systems market is anticipated to expand significantly during the forecast period. The growth of the global embedded systems market will also be fueled by an increase in the number of research and development projects pertaining to embedded systems.

Additionally, during the forecast period, the need for multicore central processing units (CPUs) in military applications is anticipated to drive market expansion. However, one of the major factors limiting the growth of the embedded system industry is the security of embedded systems. On the other hand, during the forecast period, the emergence of 5G and the development of embedded devices based on 5G are anticipated to offer attractive chances for the market's expansion.

The global embedded systems market is segmented on the basis of component, application, and region. Based on component, the market is bifurcated into hardware and software. By application, the market is segmented into automotive, consumer electronics, industrial, aerospace and defense, and others. The key players that operate in the market include Analog Devices, Cypress semiconductors, Infineon Technologies, Intel Corporation, Microchip Technology, NXP Semiconductors, Qualcomm Incorporated, Renesas Electronics, STMicroelectronics and Texas Instruments, Inc.

Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the embedded systems market analysis from 2021 to 2031 to identify the prevailing embedded systems 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.

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- In-depth analysis of the embedded systems 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 systems market trends, key players, market segments, application areas, and market growth strategies.

Key Market Segments

By Application

- Automotive
- Consumer Electronics
- Industrial
- Aerospace and Defense
- Others

By Component

- Hardware
- Hardware Type
- MPU
- MCU
- FPGA
- Memories
- Others
- Software

By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- UK
- Germany
- France
- Rest of Europe
- Asia-Pacific
- China
- Japan
- India
- South Korea
- Rest of Asia-Pacific
- LAMEA
- Latin America
- Middle East
- Africa
- Key Market Players
- Intel Corporation
- Renesas Electronics
- Texas Instruments Inc.
- NXP Semiconductors

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- Qualcomm Incorporated
- Cypress Semiconductors
- Infineon Technologies
- Analog Devices Inc.
- Microchip Technology Inc.
- STMicroelectronics N.V.

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.Secondary research
 - 1.4.2.Primary research
 - 1.4.3.Analyst tools and models

CHAPTER 2:EXECUTIVE SUMMARY

- 2.1.Key findings of the study
- 2.2.CXO Perspective

CHAPTER 3:MARKET OVERVIEW

- 3.1.Market definition and scope
- 3.2.Key findings
 - 3.2.1.Top investment pockets
- 3.3.Porter's five forces analysis
- 3.4.Top player positioning
- 3.5.Market dynamics
 - 3.5.1.Drivers
 - 3.5.2.Restraints
 - 3.5.3.Opportunities
- 3.6.COVID-19 Impact Analysis on the market

CHAPTER 4: EMBEDDED SYSTEMS MARKET, BY COMPONENT

- 4.1 Overview
 - 4.1.1 Market size and forecast
- 4.2 Hardware
 - 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
 - 4.2.4 Hardware Embedded Systems Market by Hardware Type
 - 4.2.4.1 MPU Market size and forecast, by region
 - 4.2.4.2 MPU Market size and forecast, by country
 - 4.2.4.3 MCU Market size and forecast, by region
 - 4.2.4.4 MCU Market size and forecast, by country
 - 4.2.4.5 FPGA Market size and forecast, by region
 - 4.2.4.6 FPGA Market size and forecast, by country
 - 4.2.4.7 Memories Market size and forecast, by region
 - 4.2.4.8 Memories Market size and forecast, by country
 - 4.2.4.9 Others Market size and forecast, by region

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

4.2.4.10 Others Market size and forecast, by country

4.3 Software

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

CHAPTER 5: EMBEDDED SYSTEMS MARKET, BY APPLICATION

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

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 Industrial

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 Aerospace and Defense

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 Others

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

CHAPTER 6: EMBEDDED SYSTEMS MARKET, BY REGION

6.1 Overview

6.1.1 Market size and forecast

6.2 North America

6.2.1 Key trends and opportunities

6.2.2 North America Market size and forecast, by Component

6.2.2.1 North America Hardware Embedded Systems Market by Hardware Type

6.2.3 North America Market size and forecast, by Application

6.2.4 North America 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 Component

6.2.4.1.2.1 U.S. Hardware Embedded Systems Market by Hardware Type

6.2.4.1.3 Market size and forecast, by Application

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 Component

6.2.4.2.2.1 Canada Hardware Embedded Systems Market by Hardware Type

6.2.4.2.3 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

- 6.2.4.3 Mexico
 - 6.2.4.3.1 Key market trends, growth factors and opportunities
 - 6.2.4.3.2 Market size and forecast, by Component
 - 6.2.4.3.2.1 Mexico Hardware Embedded Systems Market by Hardware Type
 - 6.2.4.3.3 Market size and forecast, by Application
- 6.3 Europe
 - 6.3.1 Key trends and opportunities
 - 6.3.2 Europe Market size and forecast, by Component
 - 6.3.2.1 Europe Hardware Embedded Systems Market by Hardware Type
 - 6.3.3 Europe Market size and forecast, by Application
 - 6.3.4 Europe 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 Component
 - 6.3.4.1.2.1 UK Hardware Embedded Systems Market by Hardware Type
 - 6.3.4.1.3 Market size and forecast, by Application
 - 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 Component
 - 6.3.4.2.2.1 Germany Hardware Embedded Systems Market by Hardware Type
 - 6.3.4.2.3 Market size and forecast, by Application
 - 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 Component
 - 6.3.4.3.2.1 France Hardware Embedded Systems Market by Hardware Type
 - 6.3.4.3.3 Market size and forecast, by Application
 - 6.3.4.4 Rest of Europe
 - 6.3.4.4.1 Key market trends, growth factors and opportunities
 - 6.3.4.4.2 Market size and forecast, by Component
 - 6.3.4.4.2.1 Rest of Europe Hardware Embedded Systems Market by Hardware Type
 - 6.3.4.4.3 Market size and forecast, by Application
- 6.4 Asia-Pacific
 - 6.4.1 Key trends and opportunities
 - 6.4.2 Asia-Pacific Market size and forecast, by Component
 - 6.4.2.1 Asia-Pacific Hardware Embedded Systems Market by Hardware Type
 - 6.4.3 Asia-Pacific Market size and forecast, by Application
 - 6.4.4 Asia-Pacific 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 Component
 - 6.4.4.1.2.1 China Hardware Embedded Systems Market by Hardware Type
 - 6.4.4.1.3 Market size and forecast, by Application
 - 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 Component
 - 6.4.4.2.2.1 Japan Hardware Embedded Systems Market by Hardware Type
 - 6.4.4.2.3 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

- 6.4.4.3 India
 - 6.4.4.3.1 Key market trends, growth factors and opportunities
 - 6.4.4.3.2 Market size and forecast, by Component
 - 6.4.4.3.2.1 India Hardware Embedded Systems Market by Hardware Type
 - 6.4.4.3.3 Market size and forecast, by Application
 - 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 Component
 - 6.4.4.4.2.1 South Korea Hardware Embedded Systems Market by Hardware Type
 - 6.4.4.4.3 Market size and forecast, by Application
 - 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 Component
 - 6.4.4.5.2.1 Rest of Asia-Pacific Hardware Embedded Systems Market by Hardware Type
 - 6.4.4.5.3 Market size and forecast, by Application
 - 6.5 LAMEA
 - 6.5.1 Key trends and opportunities
 - 6.5.2 LAMEA Market size and forecast, by Component
 - 6.5.2.1 LAMEA Hardware Embedded Systems Market by Hardware Type
 - 6.5.3 LAMEA Market size and forecast, by Application
 - 6.5.4 LAMEA Market size and forecast, by country
 - 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 Component
 - 6.5.4.1.2.1 Latin America Hardware Embedded Systems Market by Hardware Type
 - 6.5.4.1.3 Market size and forecast, by Application
 - 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 Component
 - 6.5.4.2.2.1 Middle East Hardware Embedded Systems Market by Hardware Type
 - 6.5.4.2.3 Market size and forecast, by Application
 - 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 Component
 - 6.5.4.3.2.1 Africa Hardware Embedded Systems Market by Hardware Type
 - 6.5.4.3.3 Market size and forecast, by Application
- CHAPTER 7: COMPANY 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. Key developments
- CHAPTER 8: COMPANY PROFILES
 - 8.1 Intel Corporation
 - 8.1.1 Company overview
 - 8.1.2 Company snapshot

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 8.1.3 Operating business segments
- 8.1.4 Product portfolio
- 8.1.5 Business performance
- 8.1.6 Key strategic moves and developments
- 8.2 Renesas Electronics
 - 8.2.1 Company overview
 - 8.2.2 Company snapshot
 - 8.2.3 Operating business segments
 - 8.2.4 Product portfolio
 - 8.2.5 Business performance
 - 8.2.6 Key strategic moves and developments
- 8.3 Texas Instruments Inc.
 - 8.3.1 Company overview
 - 8.3.2 Company snapshot
 - 8.3.3 Operating business segments
 - 8.3.4 Product portfolio
 - 8.3.5 Business performance
 - 8.3.6 Key strategic moves and developments
- 8.4 NXP Semiconductors
 - 8.4.1 Company overview
 - 8.4.2 Company snapshot
 - 8.4.3 Operating business segments
 - 8.4.4 Product portfolio
 - 8.4.5 Business performance
 - 8.4.6 Key strategic moves and developments
- 8.5 QUALCOMM Incorporated
 - 8.5.1 Company overview
 - 8.5.2 Company snapshot
 - 8.5.3 Operating business segments
 - 8.5.4 Product portfolio
 - 8.5.5 Business performance
 - 8.5.6 Key strategic moves and developments
- 8.6 cypress semiconductors
 - 8.6.1 Company overview
 - 8.6.2 Company snapshot
 - 8.6.3 Operating business segments
 - 8.6.4 Product portfolio
 - 8.6.5 Business performance
 - 8.6.6 Key strategic moves and developments
- 8.7 Infineon Technologies
 - 8.7.1 Company overview
 - 8.7.2 Company snapshot
 - 8.7.3 Operating business segments
 - 8.7.4 Product portfolio
 - 8.7.5 Business performance
 - 8.7.6 Key strategic moves and developments
- 8.8 Analog Devices Inc.

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 8.8.1 Company overview
- 8.8.2 Company snapshot
- 8.8.3 Operating business segments
- 8.8.4 Product portfolio
- 8.8.5 Business performance
- 8.8.6 Key strategic moves and developments
- 8.9 Microchip Technology Inc.
- 8.9.1 Company overview
- 8.9.2 Company snapshot
- 8.9.3 Operating business segments
- 8.9.4 Product portfolio
- 8.9.5 Business performance
- 8.9.6 Key strategic moves and developments
- 8.10 STMicroelectronics
- 8.10.1 Company overview
- 8.10.2 Company snapshot
- 8.10.3 Operating business segments
- 8.10.4 Product portfolio
- 8.10.5 Business performance
- 8.10.6 Key strategic moves and developments

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

**Embedded Systems Market By Component (Hardware, Software), By Application
(Automotive, Consumer Electronics, Industrial, Aerospace and Defense, Others):
Global Opportunity Analysis and Industry Forecast, 2021-2031**

Market Report | 2022-11-01 | 265 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@scotts-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@scotts-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"/>
		Date	<input type="text" value="2026-03-11"/>

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Signature

An empty rectangular box with a thin black border, intended for a signature.