

Embedded Systems Software Market Research

FIVE-YEAR MARKET ANALYSIS AND TECHNOLOGY FORECAST THROUGH 2023

EMBEDDED SYSTEMS POWER THE INTELLIGENT EDGE

The embedded systems market is broad, diverse, and highly fragmented. It consists of software, development platforms, and hardware that serve many industries, products, and services. The industrial market for embedded systems includes everything from communications, automotive, aerospace, consumer electronics, military systems, to industrial controls, and much more.

To define and limit the scope of this very large and complex market, this report focuses primarily on embedded software and development platforms that enable suppliers to target specific devices for the Industrial Internet of Things (IIoT) and intelligent edge devices for industry that support IIoT connectivity and analytics.

One of the most significant factors driving the growth of embedded systems is the digital transformation from the cloud to the edge of most major systems, but especially in manufacturing and production systems and equipment and products in the field that require operations and maintenance. To address the business opportunity, both cloud and edge infrastructure technology providers need to continue to scale and support literally billions of sensors and millions of systems. The overall embedded systems market will see significant growth because of the huge demand for intelligence at the edge.

For more information, please visit us at www.arcweb.com/market-studies/.

STRATEGIC ISSUES

The ongoing evolution of IIoT ecosystems and the steady progress of industrial automation to cyber-physical systems based on predictive and prescriptive analytics will lead to autonomous and self-healing systems, and be one of the leading drivers of growth. Strategic issues include:

- Intelligence at the edge will enable and support the concept of the digital twin.
- Questions remain about the rate of adoption for IIoT technologies.
- Embedded intelligence will drive analytics, AI, and machine learning.

RESEARCH FORMATS

This research is available as a Market Intelligence Workbook (Excel) and/or a concise, executive-level Market Analysis Report (PDF), with or without detailed charts.

RESEARCH FOCUS AREAS

STRATEGIC ANALYSIS

Major Trends
Regional Trends
Industry Trends
Strategic Recommendations

COMPETITIVE ANALYSIS

Market Shares of the Leading Suppliers
Market Shares by Region
 North America
 Europe, Middle East, Africa
 Asia
 Latin America
Market Shares by Revenue Category
 Software
 Services
Market Shares by Apps and Solutions
 Embedded for IoT
 IDE Platforms
 Open Source Software
 RTOS
 Security Software
 Test, Debug, and Analysis Software
Market Shares by System Type
 Automotive Systems
 Building Automation Systems
 Energy & Utility Systems
 Industrial Automation & Controls
 IoT Edge Devices
 Maintenance & Operations Systems
 Networking Systems

Market Shares by Deployment Model
 Hosted
 Cloud
 On Premise
Market Shares by Customer Type
Market Shares by Sales Channel

MARKET FORECASTS & HISTORIES

Total Embedded Systems Software
 Business
Shipments by Region

Shipments by Revenue Category
Shipments by Apps and Solutions
Shipments by System Type
Shipments by Deployment Model
Shipments by Customer Type
Shipments by Sales Channel

INDUSTRY PARTICIPANTS

The research identifies all relevant suppliers serving this market.

Embedded Systems Software Market Domains

