

# 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.

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## 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

