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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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 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 IIoT
  - 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 FORECASTS
- Total Embedded Systems Software
- 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.

### 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 DOMAINS

- **Embedded Systems**
  - **Industrial Controls**
    - Smart sensors, IoT special purpose controllers, networking, process controls
  - **Embedded Systems**
    - Telecom / Datacom
      - Routers, switches, bridges, smart devices, networking gateways
    - Building automation
      - Heating, ventilation, air conditioning (HVAC), home automation, utility meters
  - **Automotive Systems**
    - Driver awareness, CPU for chassis, body electronics, GPS security, power train, entertainment, infotainment