

# Industrial Ethernet Devices Market Research

FIVE-YEAR MARKET ANALYSIS AND TECHNOLOGY FORECAST THROUGH 2021

## EXPANDING VALUE PROPOSITION FUELS CONTINUED GROWTH

Industrial Ethernet-based devices, such as HMI/OIT, remote I/O, servo drives, and other products, are used below the controller level in industrial automation hierarchies. Industrial Ethernet is just one of several options for interfacing devices at this level, where hardwiring or serial networks were traditionally employed and wireless interfaces are trying to make inroads.

Industrial Ethernet's value proposition continues to increase with incorporation of both IT- and OT-related improvements to its functionality. Industrial products are able to leverage continued improvements in areas such as performance/bandwidth, standardization, security, diagnostics, energy management, and machine safety.

Industrial Ethernet will also play a major role in both the Industrie 4.0 initiative and the Industrial Internet of Things. The realization of these advanced concepts requires open and advanced digital networks that facilitate easy connection of field devices not only to central control systems but also to enterprise systems and cloud platforms.

Industrial Ethernet facilitates easy integration of design, configuration, and maintenance tools with higher level control and supervisory software and therefore is a key enabler of these emerging trends.

For more information, please visit us at [www.arcweb.com/market-studies/](http://www.arcweb.com/market-studies/).

## STRATEGIC ISSUES

The Industrial Ethernet Devices market promises to deliver continued growth for the foreseeable future. This study answers key strategic questions, such as:

- Who is the current and future customer for industrial Ethernet devices?
- What role will industrial Ethernet play in the IIoT and Industrie 4.0, and how is industrial automation different in this regard?
- What should you do about customers' cybersecurity concerns?

## RESEARCH FORMATS

This ARC research is available as a Market Intelligence Workbook (Excel) or a comprehensive Market Outlook Study (PDF).

## RESEARCH FOCUS AREAS

### STRATEGIC ANALYSIS

Regional, Industry, and End User 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

Hardware

Software

Services

Market Shares by Industry

Aerospace & Defense

Automotive

Building Automation

Chemical

Electric Power Generation

Electric Power T&D

Electrical & Electronics

Food & Beverage

Intelligent Transportation

Machinery Manufacturing

Metals

Mining

Oil & Gas

Pharmaceutical & Biotech

Pulp & Paper

Refining

Semiconductor  
Water & Wastewater  
Market Shares by Application  
Building Automation  
Local Data Acquisition  
Logic Control  
Motion Control  
Process Control  
Security/Surveillance  
Substation Automation

Market Shares by Device Type  
Market Shares by Hazardous Location  
Market Shares by Environmental Rating

### MARKET FORECASTS & HISTORIES

Total Shipments of Industrial Ethernet  
Devices (Dollars, Units)

Shipments by Region  
Shipments by Revenue Category  
Shipments by Industry  
Shipments by Application  
Shipments by Device Type  
Shipments of Devices Sold with  
Embedded Switches by Type  
Shipments by Hazardous Location  
Shipments by Environmental Rating  
Shipments by Sales Channel  
Shipments by Customer Type

### INDUSTRY PARTICIPANTS

The research identifies all relevant suppliers serving this market.

Worldwide Industrial Ethernet Devices Market

