Industrial Ethernet Devices Market Research

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/.

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

2016   2017   2018   2019   2020   2021