Fixed Industrial Ethernet & Cellular Network Router Market Research

FIVE-YEAR MARKET ANALYSIS AND TECHNOLOGY FORECAST THROUGH 2021

IIOT DRIVING CHANGES IN ROUTERS' ROLE IN FUTURE NETWORKS

Fixed industrial Ethernet and cellular network routers are one of several components of the overall industrial network infrastructure. Leading customers in electric utilities, oil & gas, water/wastewater, transportation, and industrial machinery use routers to enable network security and remotely access equipment in hazardous or difficult-to-reach environments where it may be costly or dangerous to deploy troubleshooting personnel.

Industrial network infrastructure is also one of the focal points of emerging industrial internet-enabled strategies, serving core functions such as edge-to-cloud integration and edge computing. Industrial network routers will benefit from increased emphasis on both remote access and monitoring as well as migration to industrial internet-enabled strategies.

New developments, such as emergence of the 5G wireless standard and adoption of SDWAN technology, are driving profound changes in both router functionality and application. Suppliers will also need to select appropriate protocols and ecosystems for cloud integration and edge computing.

This analysis quantifies the potential impact of each of these and other pending developments in important areas such as 5G adoption, amount and type of cloud integration, and estimated use for edge computing.

For more information about this research, please contact your ARC Client Manager or visit us at www.arcweb.com/market-studies/.

STRATEGIC ISSUES

Increasing recognition of the remote access business value proposition, coupled with ongoing adoption of IIoT/I4.0-enabled strategies, are primary catalysts behind the anticipated continued evolution in router technology and application.

- How and why is the functional spectrum of industrial routers expanding?
- What share is used for enterprise/IIoT integration vs. simple remote access?
- What share of the market will be used for edge computing?
- How much of the router market will transition to 5G within five years?

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, Regional, 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
    Hardware
    Software
    Services
Market Shares by Industry
    Building Automation
    Electric Utilities
    Industrial Machinery
    Oil & Gas
    Transportation
    Water & Wastewater
Market Shares by Router Type
Market Shares by Form Factor
Market Shares by CPU Type
Market Shares by Cloud Integration
Market Shares by Operating System

Market Shares by Use in Edge Computing
Market Shares by Hazardous Location
Market Shares by Environmental Rating
Market Shares by Customer Type
Market Shares by Sales Channel

MARKET FORECAST
Total Shipments of Fixed Industrial
   Ethernet & Cellular Routers
Shipments by Region
Shipments by Revenue Category
Shipments by Industry
Shipments by Router Type

Shipments by Form Factor
Shipments by CPU Type
Shipments by Cloud Integration
Shipments by Operating System
Shipments by Use in Edge Computing
Shipments by Hazardous Location
Shipments by Environmental Rating
Shipments by Customer Type
Shipments by Sales Channel

INDUSTRY PARTICIPANTS
The research identifies all relevant suppliers serving this market.

Worldwide Fixed Industrial Ethernet & Cellular Network Market

(bar chart, years 2016, 2017, 2018, 2019, 2020, 2021)

ARC
Advisory Group