

IIoT Gateways & Routers Market Research

FIVE-YEAR MARKET ANALYSIS AND TECHNOLOGY FORECAST THROUGH 2022

CONNECT/COMPUTE PLATFORMS FOR EVOLVING EDGE ECOSYSTEMS

The edge has emerged as one of the most diverse, dynamic components of evolving Industrial Internet of Things (IIoT) ecosystems. Originally charged with the data connectivity and conversion inherent in IIoT and cloud-based applications, industrial gateway and routers are increasingly viewed as platforms for local computation and application execution in service to enterprise business processes.

This report focuses on industrially hardened IIoT gateways and routers that support edge-to-cloud integration protocols, embedded cloud agents, and/or edge computing. The functional requirements of these previously connectivity-only devices continue to broaden as a result of these escalating demands.

Tighter integration with cloud platforms, addition of incremental local processing power, and application execution capabilities are just some examples of the evolving requirements and capabilities. This profile continues to evolve as activities at the edge morph to incorporate Artificial Intelligence (AI), machine learning (ML), video analytics, and an expanding landscape of hardware, software, and solutions.

These incremental requirements are indicative of the overall trend toward compute/connect in edge devices originally designed primarily for IT/OT connectivity.

For more information, please visit us at www.arcweb.com/market-studies/.

STRATEGIC ISSUES

Incremental functional requirements for edge devices are just one of the challenges facing suppliers. Others include:

- Response to new competitive product introductions from IT and OT suppliers
- Evaluating ecosystem participation versus support of standard IIoT connectivity protocols
- Offsetting hardware commoditization and price declines through software and services

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 Network Type
 Ethernet
 Cellular
 Wireless
Market Shares by Revenue Category
 Hardware
 Software
 Services
Market Shares by Industry
 Automotive
 Electric Power Generation
 Electric Power T&D
 Electronics & Electrical
 Machinery
 Oil & Gas
 Smart Cities
 Transportation & Logistics
 Water & Wastewater

Market Shares by New versus Retrofit Installations
Market Shares by CPU Type
Market Shares by Operating System
Market Shares by Use in Edge Computing
Market Shares by Form Factor
Market Shares by Hazardous Location
Market Shares by Environmental Rating
Market Shares by Customer Type
Market Shares by Sales Channel

MARKET FORECASTS

Total IIoT Gateways & Routers Business
Shipments by Region
Shipments by Network Type
Shipments by Revenue Category

Shipments by Industry
Shipments by New versus Retrofit Installations
Shipments by CPU Type
Shipments by Operating System
Shipments by Use in Edge Computing
Shipments by Form Factor
Shipments by Hazardous Location
Shipments by Environmental Rating
Shipments by Customer Type
Shipments by Sales Channel

INDUSTRY PARTICIPANTS

The research profiles all relevant suppliers serving this market.

The Worldwide IIoT Gateways & Routers Market

