

Total Available Market for Fixed Industrial Network Edge Infrastructure Market Research

FIVE-YEAR MARKET ANALYSIS AND TECHNOLOGY FORECAST THROUGH 2022

HOW MANY FIXED INDUSTRIAL NETWORK INFRASTRUCTURE DEVICES ARE AVAILABLE AT THE IIOT EDGE?

The industrial network “edge” infrastructure tier is populated by devices such as gateways, switches, routers, and wireless access points (WAPs). This tier is a critical enabler of industrial internet-enabled strategies in areas such as IT-OT integration, edge-to-cloud connectivity, and edge computing.

Edge infrastructure devices are taking on IT characteristics ranging from use of standard operating systems to support for IT protocols and enterprise platform agents. Some perform edge computing to address the need for local data processing as well as latency and security.

Growth of the market into promising segments such as transportation, infrastructure, energy, and smart cities is driving further developments. Each of these segments requires specific product configurations that meet their own requirements.

The objective of this analysis is to quantify the Total Available Market (TAM) for fixed industrial network edge infrastructure from the perspective of both installed base and annual shipments.

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

STRATEGIC ISSUES

Industrial network edge infrastructure devices have emerged as a primary vehicle for delivering incremental business value via internet-enabled business strategies.

- How many fixed industrial infrastructure devices are available for incorporation into the IIoT?
- What are the growth prospects by geographical region and industry?
- What is the anticipated impact of Linux adoption in edge infrastructure devices?
- How many and what type of network infrastructure devices will be used in edge computing applications?

RESEARCH FOCUS AREAS

STRATEGIC ANALYSIS

Major Trends
Regional, Industry, and End User Trends
Strategies for Buyers
Strategies for Product Suppliers

MARKET FORECASTS

Total Available Market (TAM) for Fixed Industrial Network Edge Infrastructure (\$s, Installed Units)

TAM by Device Type (\$s, Installed Units)

Ethernet Switches
Ethernet Routers
Ethernet Gateways
Cellular Routers
Cellular Gateways
Wireless Routers & Access Points
Wireless Gateways
IPC-based Gateways

Shipments of Fixed Industrial Network Edge Infrastructure (\$s, Units, ASP)

Shipments by Device Type (\$s, Units, ASP)

Shipments by Region

North America
EMEA
Asia
Latin America

Shipments by Industry

Industrial Machinery
Oil & Gas
Electric Utilities
Water & Wastewater
Building Automation
Transportation
Other Industries

Shipments by Operating System

Linux
Windows
Shipments of Linux- and Windows-based Infrastructure Used in Edge Computing
Shipments Used in Edge Computing by Device Type

Worldwide TAM for Fixed Industrial Network Edge Infrastructure

