

2021 Wireless Markets and Applications in Manufacturing Research Review

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Abstracts

Report Highlights:

The global wireless connectivity market should reach \$130.6 billion by 2026 from \$65.2 billion in 2021 at a compound annual growth rate (CAGR) of 14.9% for the forecast period of 2021 to 2026.

The global 5G Infrastructure market should reach \$115.4 billion by 2026 from \$12.9 billion in 2021 at a compound annual growth rate (CAGR) of 55.0% for the forecast period of 2021 to 2026.

The global smart machines market should reach \$211.7 billion by 2026 from \$101.5 billion in 2021 at a compound annual growth rate (CAGR) of 15.8% for the forecast period of 2021 to 2026.

Wireless technology is a part of our lifestyle; it can be found everywhere from refrigerators and AC units to smartphones, thermostats, smartwatches, cars and airplanes. It also plays a crucial role in today's communications, and new types of wireless technology will become increasingly important in emerging applications such as robots, drones, self-driving vehicles and new medical equipment during the next five years.

Recent increased demands for wireless technologies can be attributed to two main factors -

Adoption of IoT in daily routines.

Industry 4.0 and its effect on automation in manufacturing.

Wireless-based devices are intended to be more efficient, stable and adaptable, with the ability to autonomously track their performance, use and malfunction. In today's world, wireless communication systems have become an integral feature of a wide range of wireless communication devices, allowing users to communicate even from faraway locations. Cities can use 5G infrastructure to become smarter with regards to how they use and manage infrastructure and transportation systems.

Industries around the world use wireless networks to monitor various processes and operations. Distributed platforms having wireless communication and control capabilities are known as wireless networks. Sensors, transmitters, input/output modules and switches that are utilized in industrial facilities as part of automation and to gather information on particular machine components and activities are referred to as industrial wireless instrumentation. These products use Bluetooth, LoraWAN, Zigbee and Wi-Fi as wireless technologies. Due to various technological developments and the ongoing development of wireless networks and installation flexibility, wireless industrial instrumentation offers a lot of promise to improve monitoring and control of industrial processes.

This 2021 Research Review provides a sampling of the type of quantitative market information, analysis, and guidance that has been aiding business decision-making since the inception of BCC Research in 1971. It includes the highlights from the following reports published in 2021 and early 2022 -

IFT229A Global Wireless Connectivity Market.

IFT236A 5G Infrastructure Market.

IAS094C Smart Machines: Technologies and Global Markets.

IAS176A Industrial Wireless Instrumentation: Global Markets.

We encourage you to obtain and benefit from the full market research reports that are excerpted in this Research Review. BCC Research looks forward to serving your market intelligence needs in the future.

Contents

CHAPTER 1 INTRODUCTION

CHAPTER 2 GLOBAL WIRELESS CONNECTIVITY MARKET (IFT229A)

Introduction

Study Goals and Objectives

Reasons for Doing This Study

Scope of Report

Information Sources

Methodology

Intended Audience

Geographic Breakdown

Related BCC Research Reports

Summary and Highlights

Market and Technology Background

Technology Overview

Market Drivers

Market Restraints

Impact of COVID-19 on Wireless Connectivity Market

Market Breakdown by Network Type

Introduction

Wireless Personal Area Network (WPAN)

Wireless Local Area Network (WLAN)

Wireless Metropolitan Area Network (WMAN)

Wireless Wide Area Network (WWAN)

Market Breakdown by Application

Introduction

Automotive and Transportation

Building Automation

Information Technology (IT) and Telecom

Industrial

Healthcare

Aerospace and Defense

Energy and Utilities

Others

CHAPTER 3 5G INFRASTRUCTURE MARKET (IFT236A)

Introduction
5G Applications
Study Goals and Objectives
Scope of Report
Reasons for Doing This Study
Intended Audiences
Information Sources
Methodology
Geographic Breakdown
Related BCC Research Reports
Summary and Highlights
Market Overview
Impact of COVID-19 on 5G Infrastructure Market
5G Communication Network Providers by Country
Use Cases
Market Dynamics
Market Breakdown by Communication Infrastructure
Introduction
Small Cell
Macrocell
Femtocell
Market Breakdown by Network Architecture
Introduction
5G NR Non-standalone (LTE Combined)
5G Standalone (NR + Core)
Market Breakdown by Core Network Technology
Introduction
Software-Defined Networking (SDN)
Network Function Virtualization (NFV)
Market Breakdown by Operational Frequency
Introduction
Sub 6 GHz
Above 6 GHz/mmWave

CHAPTER 4 SMART MACHINES: TECHNOLOGIES AND GLOBAL MARKETS (IAS094C)

Introduction

Study Background
Study Goals and Objectives
Intended Audience
What's New in This Update
Scope of Report
Information Sources and Methodology
Geographic Breakdown
Related BCC Research Reports
Summary and Highlights
Market Overview
Definition, General Description and Properties
History of Smart Machines
Enabling Technologies for Smart Machines
Expert Systems
Introduction
Benefits of Expert Systems
Components/Architecture of Expert Systems
Types of Expert Systems
Applications of Expert Systems
Neural Computers
Definition, General Description and Properties
Technologies
Applications
Autonomous Robots
Definition, General Description and Properties
Technologies
Applications
Intelligent Assistants
Definition, General Description and Properties
Technologies
Applications

CHAPTER 5 INDUSTRIAL WIRELESS INSTRUMENTATION: GLOBAL MARKETS (IAS176A)

Introduction
Study Goals and Objectives
Scope of Report
Reasons for Doing the Study

Intended Audiences
Information Sources
Methodology
Geographic Breakdown
Related BCC Research Reports
Summary and Highlights
Market Overview
Value Chain Analysis
History and Current Status
The Future of Industrial Wireless Instrumentation
Industry Structure
Regulations and Standards
Market Dynamics
Impact of COVID-19
Porter's Five Force Analysis
Segment Overview
Market Breakdown by Major Segment
Introduction
Hardware
Services
Market Breakdown by Component
Introduction
Sensors
Transmitters/Transceivers
Wireless Adapters
Input/Output Modules
Other Accessories
Market Breakdown by Application
Application Market by Region
Asset Management
Process Control and Monitoring
Safety and Security Alarms
Communication Equipment
Others

List Of Tables

LIST OF TABLES

Table 1: Global Market for Wireless Connectivity, by Application, Through 2026

Table 2: Comparison of Major Wireless Technologies

Table 3: Comparative Analysis of 1G, 2G, 3G, 4G and 5G

Table 4: Short Range Wireless Technologies used in Factory Automation

Table 5: Comparative Analysis of Various Wireless Connectivity Network Types

Table 6: Global Market for Wireless Connectivity, by Network Type, Through 2026

Table 7: Global Market for WPAN Type Wireless Connectivity, by Technology, Through 2026

Table 8: Global Market for WLAN Type Wireless Connectivity, by Technology, Through 2026

Table 9: Global Market for WWAN Type Wireless Connectivity, by Technology, Through 2026

Table 10: Global Market for Wireless Connectivity, by Application, Through 2026

Table 11: Global Market for Wireless Connectivity in Consumer Electronics and Wearable Device Applications, by Technology, Through 2026

Table 12: Global Market for Wireless Connectivity in Consumer Electronics and Wearable Device Applications, by Region, Through 2026

Table 13: Global Market for Wireless Connectivity in Automotive and Transportation Applications, by Technology, Through 2026

Table 14: Global Market for Wireless Connectivity in Automotive and Transportation Applications, by Region, Through 2026

Table 15: Global Market for Wireless Connectivity in Building Automation Applications, by Technology, Through 2026

Table 16: Global Market for Wireless Connectivity in Building Automation Applications, by Region, Through 2026

Table 17: Global Market for Wireless Connectivity in IT and Telecom Applications, by Technology, Through 2026

Table 18: Global Market for Wireless Connectivity in IT and Telecom Applications, by Region, Through 2026

Table 19: Global Market for Wireless Connectivity in Industrial Applications, by Technology, Through 2026

Table 20: Global Market for Wireless Connectivity in Industrial Applications, by Region, Through 2026

Table 21: Global Market for Wireless Connectivity in Healthcare Applications, by Technology, Through 2026

Table 22: Global Market for Wireless Connectivity in Healthcare Applications, by Region, Through 2026

Table 23: Global Market for Wireless Connectivity in Aerospace and Defense Applications, by Technology, Through 2026

Table 24: Global Market for Wireless Connectivity in Aerospace and Defense Applications, by Region, Through 2026

Table 25: Global Market for Wireless Connectivity in Energy and Utility Applications, by Technology, Through 2026

Table 26: Global Market for Wireless Connectivity in Energy and Utility Applications, by Region, Through 2026

Table 27: Global Market for Wireless Connectivity in Other Applications, by Technology, Through 2026

Table 28: Global Market for Wireless Connectivity in Other Applications, by Region, Through 2026

Table 29: Global Market for 5G Infrastructure, by Region, Through 2026

Table 30: 5G Communication Network Providers, by Country

Table 31: 5G and Factory Automation Processes

Table 32: Global Market for 5G Infrastructure, by Communication Infrastructure, Through 2026

Table 33: Global Market for 5G Infrastructure, by Network Architecture, Through 2026

Table 34: Global Market for 5G NR Non-standalone (LTE Combined), by End-Use Sector, Through 2026

Table 35: Global Market for 5G NR Non-standalone (LTE Combined), by Region, Through 2026

Table 36: Global Market for 5G Standalone (NR + Core), by End-Use Sector, Through 2026

Table 37: Global Market for 5G Standalone (NR + Core), by Region, Through 2026

Table 38: Global Market for 5G Infrastructure, by Core Network Technology, Through 2026

Table 39: Benefits of SDN

Table 40: Global Market for 5G Infrastructure, by Operational Frequency, Through 2026

Table 41: Global Market for 5G Sub 6 GHz Operational Frequency, by Region, Through 2026

Table 42: Global Market for 5G Above 6 GHz Operational Frequency, by Region, Through 2026

Table 43: Global Smart Machines Market, by Technology, Through 2026

Table 44: History of Smart Machines

Table 45: Examples of Expert Systems

Table 46: Global Market for Expert Systems, Through 2026

- Table 47: Global Market for Expert Systems, by Region, Through 2026
- Table 48: Global Market for Physical ANNs, Through 2026
- Table 49: Global Market for Software ANNs, Through 2026
- Table 50: Applications of Artificial Neural Networks in Finance
- Table 51: Applications of Artificial Neural Networks in Manufacturing
- Table 52: Applications of Artificial Neural Networks in Marketing and Sales
- Table 53: Applications of Artificial Neural Networks in Strategic Management and Business Policy
- Table 54: Applications of Artificial Neural Networks in Telecommunications
- Table 55: Applications of Artificial Neural Networks in Healthcare
- Table 56: Global Market for Neural Computing, by Type, Through 2026
- Table 57: Global Market for Autonomous Robots, by Application, Through 2026
- Table 58: Global Market for Intelligent Assistants, Through 2026
- Table 59: Global Market for Industrial Wireless Instrumentation, Through 2026
- Table 60: Global Market for Industrial Wireless Instrumentation, by Region, Through 2026
- Table 61: Industrial Wireless Instrumentation Market Dynamics
- Table 62: Differences Between Wired Instrumentation and Wireless Instrumentation
- Table 63: Impact Analysis of Market Drivers, 2020-2026
- Table 64: Impact Analysis of Market Restraints and Challenges
- Table 65: Impact Analysis of Market Opportunities, 2020-2026
- Table 66: Porter's Five Force Analysis: Overview
- Table 67: Global Market for Industrial Wireless Instrumentation, by Major Segment, Through 2026
- Table 68: Global Market for Industrial Wireless Instrumentation, by Hardware Component, Through 2026
- Table 69: North American Market for Industrial Wireless Instrumentation, by Major Segment, Through 2026
- Table 70: European Market for Industrial Wireless Instrumentation, by Major Segment, Through 2026
- Table 71: Asia-Pacific Market for Industrial Wireless Instrumentation, by Major Segment, Through 2026
- Table 72: RoW Market for Industrial Wireless Instrumentation, by Major Segment, Through 2026
- Table 73: Global Market for Industrial Wireless Instrumentation, by Hardware Component, Through 2026
- Table 74: North American Market for Industrial Wireless Instrumentation, by Hardware Component, Through 2026
- Table 75: European Market for Industrial Wireless Instrumentation, by Hardware

Component, Through 2026

Table 76: Asia-Pacific Market for Industrial Wireless Instrumentation, by Hardware

Component, Through 2026

Table 77: RoW Market for Industrial Wireless Instrumentation, by Hardware

Component, Through 2026

Table 78: Global Market for Industrial Wireless Instrumentation, by Application, Through 2026

Table 79: North American Market for Industrial Wireless Instrumentation, by Application, Through 2026

Table 80: European Market for Industrial Wireless Instrumentation, by Application, Through 2026

Table 81: Asia-Pacific Market for Industrial Wireless Instrumentation, by Application, Through 2026

Table 82: RoW Market for Industrial Wireless Instrumentation, by Application, Through 2026

List Of Figures

LIST OF FIGURES

Figure 1: Global Market for Wireless Connectivity, 2020-2026

Figure 2: Type of Wireless Networks

Figure 3: Wireless Architecture for IoT

Figure 4: Wireless Technologies for Connected Cars

Figure 5: Wireless Technologies in Healthcare Devices

Figure 6: Global Percentage of Cyber-Attacks, by Categories, 2019

Figure 7: Global Market Shares of Wireless Connectivity, by Network Type, 2020

Figure 8: Global Market Shares of WPAN Type Wireless Connectivity, by Technology, 2020

Figure 9: Global Market Shares of WLAN Type Wireless Connectivity, by Technology, 2020

Figure 10: Global Market Shares of Wireless Connectivity, by Application, 2020

Figure 11: Global Market Shares of Wireless Connectivity in Consumer Electronics and Wearable Device Applications, by Technology, 2020

Figure 12: Global Market Shares of Wireless Connectivity in Consumer Electronics and Wearable Device Applications, by Region, 2020

Figure 13: Global Market Shares of Wireless Connectivity in Automotive and Transportation Applications, by Technology, 2020

Figure 14: Global Market Shares of Wireless Connectivity in Automotive and Transportation Applications, by Region, 2020

Figure 15: Global Market Shares of Wireless Connectivity in Building Automation Applications, by Technology, 2020

Figure 16: Global Market Shares of Wireless Connectivity in Building Automation Applications, by Region, 2020

Figure 17: Global Market Shares of Wireless Connectivity in IT and Telecom Applications, by Technology, 2020

Figure 18: Global Market Shares of Wireless Connectivity in IT and Telecom Applications, by Region, 2020

Figure 19: Global Market Shares of Wireless Connectivity in Industrial Applications, by Technology, 2020

Figure 20: Global Market Shares of Wireless Connectivity in Industrial Applications, by Region, 2020

Figure 21: Global Market Shares of Wireless Connectivity in Healthcare Applications, by Technology, 2020

Figure 22: Global Market Shares of Wireless Connectivity in Healthcare Applications, by

Region, 2020

Figure 23: Global Market Shares of Wireless Connectivity in Aerospace and Defense Applications, by Technology, 2020

Figure 24: Global Market Shares of Wireless Connectivity in Aerospace and Defense Applications, by Region, 2020

Figure 25: Global Market Shares of Wireless Connectivity in Energy and Utility Applications, by Technology, 2020

Figure 26: Global Market Shares of Wireless Connectivity in Energy and Utility Applications, by Region, 2020

Figure 27: Global Market Shares of Wireless Connectivity in Other Applications, by Technology, 2020

Figure 28: Global Market Shares of Wireless Connectivity in Other Applications, by Region, 2020

Figure 29: Global Market Shares of 5G Infrastructure, by Region, 2020*

Figure 30: Ericsson 5G Network in a Distributed Architecture

Figure 31: Ericsson Solution with Hardware and Software

Figure 32: Use Case 1: Merging from Merging Lane into Main Lane

Figure 33: Use Case 2: Merging into Main Lane in a Traffic Jam

Figure 34: Global Mobile Network Data Traffic

Figure 35: 5G Applications

Figure 36: Global Market Shares of 5G Infrastructure, by Communication Infrastructure, 2020

Figure 37: Global Market Shares of 5G Infrastructure, by Communication Infrastructure, 2026

Figure 38: Migration to 5G

Figure 39: Global Market Shares of 5G Infrastructure, by Network Architecture, 2020

Figure 40: Global Market Shares of 5G Infrastructure, by Network Architecture, 2026

Figure 41: Global Market Shares of 5G NR Non-standalone (LTE Combined), by End-Use Sector, 2020

Figure 42: Global Market Shares of 5G NR Non-standalone (LTE Combined), by End-Use Sector, 2026

Figure 43: Global Market Shares of 5G NR Non-standalone (LTE Combined), by Region, 2020

Figure 44: Global Market Shares of 5G NR Non-standalone (LTE Combined), by Region, 2026

Figure 45: Global Market Shares of 5G Standalone (NR + Core), by End-Use Sector, 2020

Figure 46: Global Market Shares of 5G Standalone (NR + Core), by End-Use Sector, 2026

Figure 47: Global Market Shares of 5G Standalone (NR + Core), by Region, 2020

Figure 48: Global Market Shares of 5G Standalone (NR + Core), by Region, 2026

Figure 49: Global Market Shares of 5G Infrastructure, by Core Network Technology, 2020

Figure 50: Global Market Shares of 5G Infrastructure, by Core Network Technology, 2026

Figure 51: Global Market Shares of 5G Infrastructure, by Operational Frequency, 2020

Figure 52: Global Market Shares of 5G Infrastructure, by Operational Frequency, 2026

Figure 53: Global Market Shares of 5G Sub 6 GHz Operational Frequency, by Region, 2020

Figure 54: Global Market Shares of 5G Sub 6 GHz Operational Frequency, by Region, 2026

Figure 55: Global Market Shares of 5G Above 6 GHz Operational Frequency, by Region, 2020

Figure 56: Global Market Shares of 5G Above 6 GHz Operational Frequency, by Region, 2026

Figure 57: Global Smart Machines Market, by Technology, 2019-2026

Figure 58: Global Market for Industrial Wireless Instrumentation, 2020-2026

Figure 59: Global Market for Industrial Wireless Instrumentation: Key Applications

Figure 60: Advantages of Wireless Instrumentation

Figure 61: Industrial Wireless Instrumentation Value Chain

Figure 62: Evolution of the Industry Stages

Figure 63: Success Criteria of Industrial Wireless Systems

Figure 64: Wireless Industrial Instrumentation Technology Comparison and Architecture

Figure 65: Industrial Wireless Instrumentation Market—Porter's Five Force Analysis

Figure 66: Supplier's Bargaining Power Analysis

Figure 67: Buyer's Bargaining Power Analysis

Figure 68: Analysis of Threat of New Entrants

Figure 69: Analysis of Threat of Substitutes

Figure 70: Analysis of Competitive Rivalry

Figure 71: Global Market Shares of Industrial Wireless Instrumentation, by Application, 2026

Figure 72: Global Market Shares of Industrial Wireless Instrumentation, by End-User Industry, 2020

Figure 73: Global Market for Industrial Wireless Instrumentation, by Major Segment, 2020-2026

Figure 74: Global Market for Industrial Wireless Instrumentation Hardware, 2020-2026

Figure 75: Global Market for Industrial Wireless Instrumentation Services, 2020-2026

Figure 76: Global Market for Wireless Sensors in Industrial Wireless Instrumentation,

2020-2026

Figure 77: Global Market for Wireless Transmitters/Transceivers in Industrial Wireless Instrumentation, 2020-2026

Figure 78: Global Market for Wireless Adapters in Industrial Wireless Instrumentation, 2020-2026

Figure 79: Global Market for Wireless Input/Output Modules in Industrial Wireless Instrumentation, 2020-2026

Figure 80: Global Market for Other Accessories for Industrial Wireless Instrumentation, 2020-2026

Figure 81: Global Market for Asset Management in Industrial Wireless Instrumentation, 2020-2026

Figure 82: Global Market for Process Control and Monitoring in Industrial Wireless Instrumentation, 2020-2026

Figure 83: Global Market for Safety and Security Alarms in Industrial Wireless Instrumentation, 2020-2026

Figure 84: Global Market for Communication Equipment in Industrial Wireless Instrumentation, 2020-2026

Figure 85: Global Market for Other Applications of Industrial Wireless Instrumentation, 2020-2026

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