+357 96 030922
info@marketpublishers.com

IoT Connectivity Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, By Component (Platform, Services), By Application (Building & Home Automation, Smart Energy & Utility, Smart Manufacturing, Connected Health, Smart Retail, Smart Transportation, Others), By Organization Size (Large Enterprises, SMEs), By Region & Competition, 2020-2030F

https://marketpublishers.com/r/I838942354DDEN.html
Date: June 2025
Pages: 185
Price: US$ 4,500.00 (Single User License)
ID: I838942354DDEN

Abstracts

Market Overview

The Global IoT Connectivity Market was valued at USD 9.87 billion in 2024 and is projected to reach USD 28.11 billion by 2030, growing at a CAGR of 19.06%. This market encompasses the technologies, platforms, and services that facilitate seamless communication between interconnected IoT devices across industries such as manufacturing, transportation, energy, healthcare, and smart cities. It includes both wired and wireless communication protocols—such as cellular, Wi-Fi, LPWAN, and satellite—that support real-time data transmission and interoperability. Market growth is being driven by rapid IoT adoption, declining hardware costs, and a growing reliance on automated and data-driven decision-making. Enterprises are deploying IoT solutions to monitor assets, improve operational efficiency, and deliver personalized experiences. Rising investment in smart infrastructure, the deployment of 5G networks, and the growth of edge computing are also propelling demand for high-speed, secure, and scalable connectivity. As digital transformation deepens and Industry 4.0 adoption accelerates, the market is poised for sustained expansion.

+357 96 030922
info@marketpublishers.com

Key Market Drivers

Accelerating Industrial Digitization and Smart Manufacturing Initiatives

The widespread implementation of smart manufacturing solutions is a major driver for the IoT Connectivity Market. Industries such as automotive, aerospace, pharmaceuticals, and consumer goods are adopting IoT to enable predictive maintenance, asset tracking, and automated production workflows. In smart factory environments, IoT ensures real-time connectivity between robots, sensors, and equipment, supporting continuous monitoring and efficient resource utilization. As Industry 4.0 frameworks become mainstream, seamless machine-to-machine communication is essential for mass customization, just-in-time delivery, and zero-defect manufacturing. Modern factories may deploy over 10,000 IoT-connected devices, reflecting the scale of connectivity needed for full automation. This surge in device density drives demand for robust, low-latency, and secure connectivity infrastructure capable of supporting high-throughput, real-time analytics and adaptive control systems. Manufacturers are investing in scalable connectivity solutions to future-proof operations and meet the performance expectations of next-generation industrial ecosystems.

Key Market Challenges

Data Privacy and Security Risks in Large-Scale IoT Networks

The expansion of IoT networks presents significant data privacy and cybersecurity challenges. IoT devices, often limited in processing power and security features, are vulnerable to threats such as unauthorized access, malware attacks, and data breaches. These risks are particularly acute in sectors handling sensitive data, such as healthcare, finance, and smart homes. As IoT ecosystems expand, each device increases the overall attack surface, making network-wide protection more complex. Regulatory bodies are responding with mandates around encryption, firmware updates, and access controls, but compliance imposes added costs and technical burdens—especially for SMEs. Furthermore, global deployments create legal complications around data residency and cross-border data transfer. These security concerns can delay IoT adoption and erode stakeholder trust, compelling companies to balance innovation with regulatory and operational risk mitigation.

Key Market Trends

Expansion of Edge Computing to Reduce Latency in IoT Connectivity Market

+357 96 030922
info@marketpublishers.com

Edge computing is emerging as a key trend in the IoT Connectivity Market, driven by the need to reduce latency and dependence on centralized cloud systems. As the volume of connected devices grows, and applications such as autonomous vehicles and industrial automation demand real-time responsiveness, edge computing enables faster data processing by bringing computation closer to the device. This architecture supports faster decision-making, lowers data transmission costs, and enhances security by limiting the exposure of sensitive data. Edge capabilities are increasingly embedded in sensors and micro data centers, enabling localized analytics and autonomous operation. Telecom providers are enhancing their networks with edge support to deliver improved performance for latency-sensitive use cases. With the rollout of 5G, edge computing will play an even greater role in enabling intelligent, scalable, and resilient IoT deployments across sectors.

Key Market Players

AT&T Inc.

Verizon Communications Inc.

Telef?nica, S.A.

China Mobile Limited

Orange S.A.

T-Mobile US, Inc.

Cisco Systems, Inc.

Qualcomm Incorporated

Report Scope:

In this report, the Global IoT Connectivity Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

IoT Connectivity Market, By Component:

+357 96 030922
info@marketpublishers.com

- Platform
- Services

IoT Connectivity Market, By Application:

- Building & Home Automation
- Smart Energy & Utility
- Smart Manufacturing
- Connected Health
- Smart Retail
- Smart Transportation
- Others

IoT Connectivity Market, By Organization Size:

- Large Enterprises
- SMEs

IoT Connectivity Market, By Region:

- North America
  - United States
  - Canada
  - Mexico
- Europe

+357 96 030922
info@marketpublishers.com

- Germany
- France
- United Kingdom
- Italy
- Spain

Asia Pacific

- China
- India
- Japan
- South Korea
- Australia

Middle East & Africa

- Saudi Arabia
- UAE
- South Africa

South America

- Brazil
- Colombia
- Argentina

+357 96 030922
info@marketpublishers.com

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global IoT Connectivity Market.

Available Customizations:

Global IoT Connectivity Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

8. ASIA PACIFIC IOT CONNECTIVITY MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

9. MIDDLE EAST & AFRICA IOT CONNECTIVITY MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

10. SOUTH AMERICA IOT CONNECTIVITY MARKET OUTLOOK

11. MARKET DYNAMICS

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: IoT Connectivity Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, By Component (Platform, Services), By Application (Building & Home Automation, Smart Energy & Utility, Smart Manufacturing, Connected Health, Smart Retail, Smart Transportation, Others), By Organization Size (Large Enterprises, SMEs), By Region & Competition, 2020-2030F

Product link: https://marketpublishers.com/r/I838942354DDEN.html

Price: US$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/I838942354DDEN.html