

IoT Managed Services Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, By Type (Infrastructure Management Service, Security Management Service, Network Management Service, Data Management Service, Device Management Service), By Industry Vertical (Manufacturing, Retail, IT & Telecom, Transportation, Energy & Utilities, Healthcare, BFSI, Others), By Region & Competition, 2020-2030F

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Abstracts

Market Overview

The Global IoT Managed Services Market was valued at USD 82.81 billion in 2024 and is projected to reach USD 264.32 billion by 2030, growing at a CAGR of 21.34%. This market encompasses outsourced services designed to manage and optimize Internet of Things (IoT) environments, including devices, networks, data systems, and applications. Services range from remote monitoring and maintenance to cybersecurity, data analytics, device lifecycle management, and cloud integration. As IoT adoption scales across sectors such as healthcare, manufacturing, transportation, agriculture, and smart cities, organizations face increasing complexity in managing large, interconnected systems. IoT Managed Service Providers (MSPs) help businesses streamline operations, ensure uptime, enhance security, and alleviate pressure on internal IT resources. Market growth is driven by the rapid rise in connected device deployments, expanding hybrid cloud and edge computing usage, and heightened regulatory compliance needs. Small and medium enterprises are also turning to managed services to access advanced capabilities and expertise without incurring high internal

development costs.

Key Market Drivers

Surge in Connected Device Deployments Driving Managed Service Demand

The dramatic increase in connected device adoption across various industries is a primary driver of the IoT Managed Services Market. With billions of sensors and endpoints integrated into manufacturing lines, logistics networks, agricultural systems, and smart city infrastructure, enterprises require robust support to manage, monitor, and maintain these complex ecosystems. IoT Managed Services offer solutions for device provisioning, performance optimization, firmware updates, and security enforcement. As hybrid and edge computing architectures become more prevalent, businesses are increasingly reliant on service providers to handle the full lifecycle of IoT deployments. By late 2024, enterprise networks globally operated more than 15 billion connected IoT devices—triple the volume recorded in 2018—underscoring the rising need for scalable and comprehensive managed solutions that can support increasingly distributed and heterogeneous environments.

Key Market Challenges

Interoperability and Integration Complexity Across Diverse IoT Ecosystems

A critical challenge facing the IoT Managed Services Market is the lack of interoperability across highly varied device ecosystems. Enterprises deploy devices from multiple vendors, each utilizing different communication protocols, firmware, and platforms. This diversity creates obstacles for seamless integration, monitoring, and system management. The absence of standardized frameworks results in extended onboarding, compatibility issues, and elevated customization costs. These factors slow down implementation and inflate operational expenses for clients. The challenge extends beyond hardware to encompass cloud systems, connectivity management, edge computing, and enterprise software integration. Without coordinated performance tuning and regular updates across all layers, data accuracy, workflow efficiency, and system security are at risk. Service providers must invest heavily in middleware, custom APIs, and integration platforms to address these issues—efforts that increase time, cost, and complexity. The lack of universal standards continues to hinder broad market adoption and efficient service delivery.

Key Market Trends

Convergence of Artificial Intelligence with IoT Managed Services

The integration of artificial intelligence (AI) into IoT Managed Services is transforming how enterprises oversee and utilize connected ecosystems. AI algorithms analyze real-time data from IoT devices to enable predictive maintenance, early fault detection, and performance optimization. Managed service platforms are increasingly incorporating machine learning models to automate responses, streamline decision-making, and reduce manual effort. This shift enhances operational efficiency and responsiveness across industries. AI-powered managed services also support dynamic analytics, smart alerts, and context-aware reporting, making them indispensable for modern applications such as smart factories, healthcare systems, and supply chain optimization. As enterprises aim for autonomous and proactive operations, AI will become a cornerstone of service differentiation, driving innovation, cost efficiency, and value delivery in the managed services domain.

Key Market Players

Microsoft Corporation

Cisco Systems, Inc.

Accenture plc

Capgemini SE

IBM Corporation

AT&T Inc.

HCL Technologies Limited

Infosys?Limited

Report Scope:

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

IoT Managed Services Market, By Type:

Infrastructure Management Service

Security Management Service

Network Management Service

Data Management Service

Device Management Service

IoT Managed Services Market, By Industry Vertical:

Manufacturing

Retail

IT & Telecom

Transportation

Energy & Utilities

Healthcare

BFSI

Others

IoT Managed Services Market, By Region:

North America

United States

Canada

Mexico

Europe

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

Competitive Landscape

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

Available Customizations:

Global IoT Managed Services Market report with the given market data, TechSci 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).

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