

# 5G IoT Market by Component (Solutions, Connectivity Services), Architecture (5G NR Standalone, 5G NR Non-standalone), Application (Autonomous Vehicles, Security & Surveillance), End User, and Geography - Global Forecast to 2030

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## Abstracts

The research report titled “5G IoT Market Component (Solutions, Connectivity Services), Architecture (5G NR Standalone, 5G NR Non-standalone), Application (Autonomous Vehicles, Security & Surveillance), End User, and Geography — Global Forecasts to 2030”, provides in-depth analysis of 5G IoT market across five major geographies and emphasizes on the current market trends, market sizes, market shares, recent developments, and forecasts till 2030.

The global 5G IoT market is expected to reach \$17.68 billion by 2030, growing at a CAGR of 47.6% during the forecast period of 2023–2030.

The growth of this market is attributed to the growing significance of 5G IoT devices in smart city projects and the increasing demand for digital wearable devices. In addition, the high potential for 5G IoT in connected healthcare is expected to offer significant growth opportunities for the growth of this market. High costs for 5G IoT network installation and security & data privacy concerns are creating challenges for market growth.

Based on component, the market is segmented into solutions and connectivity services. In 2022, the solutions segment accounted for the larger share of the overall 5G IoT market. The proliferation of wireless technologies in industry operations is expected to drive market growth.

Based on device range, the market is segmented into short-range and wide/long-range. In 2022, the short-range segment accounted for the larger share of the overall 5G IoT market. The growth of the segment is attributed to the rising need for improving short-range connectivity and coverage rate.

Based on architecture, the market is segmented into 5G NR Standalone (SA) and 5G NR Non-standalone (NSA). In 2022, the 5G NR Non-standalone (NSA) segment is expected to account for the larger share of the overall 5G IoT market. The growth of this segment is attributed to the rising need for reliable communications and increasing delivery efficiency at a low cost.

Based on application, the market is segmented into autonomous vehicles, connected cars, industry 4.0, smart energy & utilities, smart farming, security & surveillance, smart healthcare, asset tracking, smart logistics & supply chains, smart consumer electronics, and other applications. In 2022, the security & surveillance segment is expected to account for the largest share of the overall 5G IoT market. Thus, the rising need to monitor multiple locations and facility conditions in real-time drives market growth.

Based on end user, the market is segmented into B2B end users (business-to-business) and B2C end users (business-to-consumer). In 2022, the B2B end-user segment is expected to account for the larger share of the overall 5G IoT market. The growth of this segment is attributed to the rising need for predicting performance to improve efficiency.

#### Geographic Review:

Based on geography, the market is broadly segmented into North America, Europe, Asia-Pacific, Latin America, and the Middle East & Africa. In 2022, Asia-Pacific accounted for the largest share of 46.7% of the global 5G IoT market. The large market share of this segment is attributed to the increasing investments in 5G IoT devices, rising deployments of 5G IoT solutions, and increasing collaborations for deploying smart solutions across the region. Additionally, this region is expected to register the highest CAGR during the forecast period.

The key players operating in the global 5G IoT market are Telefonaktiebolaget LM Ericsson (Sweden), Nokia Corporation (Finland), Qualcomm Incorporated (U.S.), AT&T Inc. (U.S.), Vodafone Limited (U.K.), SK Telecom Co., Ltd. (South Korea), Samsung Electronics Co., Ltd. (South Korea), NEC Corporation (Japan), Telit (U.K.), Cisco Systems, Inc. (U.S.), Intel Corporation (U.S.), ZTE Corporation (China), IBM Corporation (U.S.), Thales Group (France), Sierra Wireless, Inc. (Canada), T-Mobile

US, Inc. (U.S.), Verizon Communications Inc. (U.S.), Juniper Networks Inc. (U.S.), and Huawei Technologies Co., Ltd. (China).

Key questions answered in the report:

Which are the high-growth market segments in terms of component, device range, architecture, application, end user, and countries?

What is the historical market for 5G IoT across the globe?

What are the market forecasts and estimates from 2022–2029?

What are the major drivers, restraints, and opportunities in the global 5G IoT market?

Who are the major players in the global 5G IoT market, and what shares of the market do they hold?

Who are the major players in various countries, and what shares of the market do they hold?

How is the competitive landscape?

What are the recent developments in the global 5G IoT market?

What are the different strategies adopted by the major players in the global 5G IoT market?

What are the geographical trends and high-growth countries?

Who are the local emerging players in the global 5G IoT market and how do they compete with the other players?

Scope of the Report:

Market by Component

Solutions

Platforms

Hardware

Business Services

? Professional Services

Managed Services

Connectivity Services

Market by Device Range

Short-range

Wide/Long-range

Market by Architecture

5G NR Standalone (SA)

5G NR Non-Standalone (NSA)

Market by Application

Autonomous Vehicles

Connected Cars

Industry 4.0

Smart Energy & Utilities

Smart Farming

Smart Healthcare

Security & Surveillance

Smart Logistics & Supply Chains

Smart Consumer Electronics

Asset Tracking

Other Applications

## Market by End User

### B2B End Users

Automotive

Healthcare

Agriculture

Energy & Utilities

Transportation & Logistics

Government & Public Safety

Food & Beverage

Other B2B End Users

### B2C End Users

Home Automation

## Building Automation

### Market by Geography

#### North America

U.S.

Canada

#### Europe

U.K.

Germany

France

Italy

Spain

Netherlands

Switzerland

Rest of Europe

#### Asia-Pacific

China

South Korea

India

Japan

Taiwan

Singapore

Australia & New Zealand

Rest of Asia-Pacific

Latin America

Brazil

Mexico

Rest of Latin America

The Middle East and Africa

Israel

UAE

Rest of MEA

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