

5G Devices Market Size, Share, & Trends Analysis Report By Form Factor (Phones, CPE, Modules, Hotspots, Switches & Routers, Laptop, Tablets), By Spectrum (Sub-6 GHz, MmWave), By Region, And Segment Forecasts, 2025 - 2030

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Abstracts

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5G Devices Market Growth & Trends

The global 5G devices market size is expected to reach USD 1,269.20 billion by 2030, growing at a CAGR of 36.4% from 2025 to 2030, according to a new report by Grand View Research, Inc. Beyond consumers, the enterprise and industrial sectors are increasingly adopting 5G devices to improve efficiency and productivity. Businesses are integrating 5G capabilities into their operations, enabling tasks such as remote maintenance, augmented reality-based training, and autonomous robotics. These applications necessitate the use of 5G devices for seamless connectivity, which is instrumental in reducing operational costs and enhancing competitiveness.

Smart cities, which leverage advanced technologies to optimize urban living, are embracing 5G as a core component. From smart traffic management to efficient waste collection, these initiatives depend on 5G devices to function cohesively. As the development of smart cities continues, there is a growing demand for 5G-compatible devices that can support the data-intensive, interconnected systems crucial to these urban projects.

Government initiatives and regulations are playing a key role in driving the adoption of 5G devices. Many governments recognize the significance of 5G technology in

bolstering their economies and enhancing connectivity for their citizens. They are implementing policies and regulations that support the deployment of 5G infrastructure, making it more accessible to the general public and various industries. The wider access to the 5G network is driving the demand for 5G devices.

Supply chain disruptions from the pandemic pushed device manufacturers to innovate and improve production processes, allowing for more cost-effective and widespread deployment of 5G devices. As the pandemic forced the world to adapt to new ways of living and working, it inadvertently fueled market growth. It plays a role in the broader rollout of 5G networks and fostering technological advancements that promise to reshape industries and consumer experiences for years to come.

5G Devices Market Report Highlights

In terms of form factor, the phones segment dominated the market in 2024. Telecommunications carriers worldwide have been actively promoting 5G adoption, often bundling with compelling phone upgrade offers, encouraging users to make the shift.

Based on spectrum, the sub-6 GHz-based segment dominated the market in 2024 with a revenue share of over 66.86%. Many telecom operators worldwide have focused on deploying sub-6 GHz 5G networks, making compatible devices more readily available to consumers. In addition, sub-6 GHz frequencies are generally less affected by signal blockages from obstacles like buildings and trees compared to higher frequency mmWave technology, ensuring a more reliable and consistent user experience.

Asia Pacific dominated the market in 2024 with a revenue share of more than 45.93%. Asia Pacific's status as a technology hub has driven innovation and a strong focus on research and development in 5G technology. This has led to a multitude of cutting-edge 5G devices, not only in the smartphone segment but also in areas such as IoT, automotive, and industrial applications.

Contents

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Market Segmentation & Scope
- 1.2 Market Definitions
- 1.3 Information Procurement
- 1.4 Information Analysis
 - 1.4.1 Market Formulation & Data Visualization
 - 1.4.2 Data Validation & Publishing
- 1.5 Research Scope and Assumptions
- 1.6 List to Data Sources

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Market Snapshot
- 2.2 Segment Snapshot
- 2.3 Competitive Landscape Snapshot

CHAPTER 3 5G DEVICES MARKET VARIABLES AND TRENDS

- 3.1 Parent Market Outlook
- 3.2 Industry Value Chain Analysis
 - 3.2.1 Raw material and component suppliers
 - 3.2.2 5G devices manufacturers
 - 3.2.3 Distributors
 - 3.2.4 End Users
- 3.3 Market Dynamics
 - 3.3.1 Market driver impact analysis
 - 3.3.1.1 Growing number of 5G connections across the globe
 - 3.3.1.2 Growing penetration of 5G mobile phones
 - 3.3.2 Market challenge impact analysis
 - 3.3.2.1 High initial cost of 5G devices, infrastructure, and data security concerns
 - 3.3.3 Market opportunity impact analysis
 - 3.3.3.1 Rise of 5G-enabled wearables and IoT devices
- 3.4 Industry Analysis Tools
 - 3.4.1 Porter's analysis
 - 3.4.2 PESTEL analysis

CHAPTER 4 5G DEVICES MARKET: FORM FACTOR ESTIMATES & TREND ANALYSIS

- 4.1 Form Factor Movement Analysis & Market Share, 2024 & 2030
- 4.2 5G Devices Market Estimates & Forecast, By Form Factor (Revenue, Volume)
 - 4.2.1 Phones
 - 4.2.2 Modules
 - 4.2.3 CPE
 - 4.2.4 Hotspots, Switches, & Routers
 - 4.2.5 Laptop
 - 4.2.6 Tablet
 - 4.2.7 Others

CHAPTER 5 5G DEVICES MARKET: SPECTRUM ESTIMATES & TREND ANALYSIS

- 5.1 Spectrum Movement Analysis & Market Share, 2024 & 2030
- 5.2 5G Devices Market Estimates & Forecast, By Spectrum (Revenue)
 - 5.2.1 Sub-6 GHz
 - 5.2.2 mmWave
 - 5.2.3 Sub-6 GHz + mmWave

CHAPTER 6 5G DEVICES MARKET: REGIONAL ESTIMATES & TREND ANALYSIS

- 6.1 5G Devices Market: Regional Outlook
- 6.2 North America
 - 6.2.1 North America 5G devices market estimates & forecasts, 2019 - 2030 (USD Billion)
 - 6.2.2 U.S.
 - 6.2.2.1 U.S. 5G devices market estimates & forecasts, 2019 - 2030 (USD Billion)
 - 6.2.3 Canada
 - 6.2.3.1 Canada 5G devices market estimates & forecasts, 2019 - 2030 (USD Billion)
 - 6.2.3 Mexico
 - 6.2.3.1 Mexico 5G devices market estimates & forecasts, 2019 - 2030 (USD Billion)
- 6.3 Europe
 - 6.3.1 Europe 5G devices market estimates & forecasts, 2019 - 2030 (USD Billion)
 - 6.3.2 U.K.
 - 6.3.2.1 U.K. 5G devices market estimates & forecasts, 2019 - 2030 (USD Billion)
 - 6.3.3 Germany
 - 6.3.3.1 Germany 5G devices market estimates & forecasts, 2019 - 2030 (USD Billion)

6.3.4 France

6.3.4.1 France 5G devices market estimates & forecasts, 2019 - 2030 (USD Billion)

6.4 Asia Pacific

6.4.1 Asia Pacific 5G devices market estimates & forecasts, 2019 - 2030 (USD Billion)

6.4.2 China

6.4.2.1 China 5G devices market estimates & forecasts, 2019 - 2030 (USD Billion)

6.4.3 India

6.4.3.1 India 5G devices market estimates & forecasts, 2019 - 2030 (USD Billion)

6.4.4 Japan

6.4.4.1 Japan 5G devices market estimates & forecasts, 2019 - 2030 (USD Billion)

6.4.5 South Korea

6.4.5.1 South Korea 5G devices market estimates & forecasts, 2019 - 2030 (USD Billion)

6.4.6 Australia

6.4.6.1 Australia 5G devices market estimates & forecasts, 2019 - 2030 (USD Billion)

6.5 Latin America

6.5.1 Latin America 5G devices market estimates & forecasts, 2019 - 2030 (USD Billion)

6.5.2 Brazil

6.5.2.1 Brazil 5G devices market estimates & forecasts, 2019 - 2030 (USD Billion)

6.6 Middle East & Africa

6.6.1 Middle East & Africa 5G devices market estimates & forecasts, 2019 - 2030 (USD Billion)

6.6.2 Kingdom of Saudi Arabia

6.6.2.1 Kingdom of Saudi Arabia 5G devices market estimates & forecasts, 2019 - 2030 (USD Billion)

6.6.3 UAE

6.6.3.1 UAE 5G devices market estimates & forecasts, 2019 - 2030 (USD Billion)

6.6.4 South Africa

6.6.4.1 South Africa 5G devices market estimates & forecasts, 2019 - 2030 (USD Billion)

CHAPTER 7 5G DEVICES MARKET — COMPETITIVE LANDSCAPE

7.1 Company Categorization

7.1.1 ZTE Corporation

7.1.1.1 Business overview

7.1.1.2 Financial Performance

7.1.1.3 Product benchmarking

- 7.1.1.4 Strategic initiatives
- 7.1.2 Xiaomi
 - 7.1.2.1 Business overview
 - 7.1.2.2 Financial Performance
 - 7.1.2.3 Product benchmarking
 - 7.1.2.4 Strategic initiatives
- 7.1.3 SAMSUNG
 - 7.1.3.1 Business overview
 - 7.1.3.2 Financial Performance
 - 7.1.3.3 Product benchmarking
 - 7.1.3.4 Strategic initiatives
- 7.1.4 SONY GROUP CORPORATION
 - 7.1.4.1 Business overview
 - 7.1.4.2 Financial Performance
 - 7.1.4.3 Product benchmarking
- 7.1.5 D-Link Corporation
 - 7.1.5.1 Business overview
 - 7.1.5.2 Financial Performance
 - 7.1.5.3 Product benchmarking
 - 7.1.5.4 Strategic initiatives
- 7.1.6 Huawei Technologies Co., Ltd.
 - 7.1.6.1 Business overview
 - 7.1.6.2 Financial Performance
 - 7.1.6.3 Product benchmarking
- 7.1.7 Nokia
 - 7.1.7.1 Business overview
 - 7.1.7.2 Financial Performance
 - 7.1.7.3 Product benchmarking
 - 7.1.7.4 Strategic initiatives
- 7.1.8 Fibocom Wireless Inc.
 - 7.1.8.1 Business overview
 - 7.1.8.2 Financial Performance
 - 7.1.8.3 Product benchmarking
 - 7.1.8.4 Strategic initiatives
- 7.1.9 Inseego Corp
 - 7.1.9.1 Business overview
 - 7.1.9.2 Financial Performance
 - 7.1.9.3 Product benchmarking
 - 7.1.9.4 Strategic initiatives

7.1.10 HTC Corporation

7.1.10.1 Business overview

7.1.10.2 Financial Performance

7.1.10.3 Product benchmarking

7.1.11 Askey Computer Corp

7.1.11.1 Business overview

7.1.11.2 Financial Performance

7.1.11.3 Product benchmarking

7.2 Company Market Share Analysis, 2024

7.3 Company Market Positioning

7.4 Company Heat Map Analysis

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