

# **North America 5G Technology Market 2020-2030 by Offering, Communication Infrastructure, Connectivity (EMBB, MMTTC, URLLC), Spectrum Range, Application, Industry Vertical, and Country: Trend Forecast and Growth Opportunity**

<https://marketpublishers.com/r/NA9AD6BDFFCFEN.html>

Date: May 2020

Pages: 137

Price: US\$ 2,448.00 (Single User License)

ID: NA9AD6BDFFCFEN

## **Abstracts**

North America 5G technology market is expected to grow by 56.5% annually in the forecast period and reach \$116.41 billion by 2030 despite the impact of COVID-19.

Highlighted with 30 tables and 67 figures, this 137-page report “North America 5G Technology Market 2020-2030 by Offering, Communication Infrastructure, Connectivity (EMBB, MMTTC, URLLC), Spectrum Range, Application, Industry Vertical, and Country: Trend Forecast and Growth Opportunity” is based on a comprehensive research of the entire North America 5G technology market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2015-2019 and provides forecast from 2020 till 2030 with 2019 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

Growth Drivers

## Restraints and Challenges

### Emerging Product Trends & Market Opportunities

### Porter's Fiver Forces

The trend and outlook of North America market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19. The balanced (most likely) projection is used to quantify North America 5G technology market in every aspect of the classification from perspectives of Offering, Communication Infrastructure, Connectivity (EMBB, MMTC, URLLC), Spectrum Range, Application, Industry Vertical, and Country.

Based on offering, the North America market is segmented into the following sub-markets with annual revenue for 2019-2030 included in each section.

Hardware

Software

Services

Based on communication infrastructure, the North America market is segmented into the following sub-markets with annual revenue for 2019-2030 included in each section.  
Radio Access Network (RAN)

Small Cell Base Station

Macro Cell Base Station

Distributed Antenna Systems (DAS)

Core Network

Software-Defined Networking (SDN)

Network Function Virtualization (NFV)

Mobile Edge Computing (MEC)

Fog Computing (FC)

Network Slicing (NS)

#### Transport Network

Based on connectivity, the North America market is segmented into the following sub-markets with annual revenue for 2019-2030 included in each section.

Enhanced Mobile Broadband (EMBB)

Massive Machine-type Communications (MMTC)

Ultra-reliable Low-latency Communication (URLLC)

Based on spectrum range, the North America market is segmented into the following sub-markets with annual revenue for 2019-2030 included in each section.

1–6 GHz

> 6 GHz

Based on application, the North America market is segmented into the following sub-markets with annual revenue for 2019-2030 included in each section.

Industrial IoT

Connected Transportation & Autonomous Driving

Monitoring & Tracking

Enhanced Video Services

Virtual Reality & Augmented Reality

Smart Surveillance

Other Applications

Based on industry vertical, the North America market is segmented into the following sub-markets with annual revenue for 2019-2030 included in each section.

Media and Entertainment

Automotive & Transportation

Healthcare

Consumer Electronics

Industrial Manufacturing

Intelligent Buildings & Home Automation

Energy & Utilities

Public Safety and Surveillance

Defense and Military

Other Verticals

Geographically, the following national/local markets are fully investigated:

U.S.

Canada

Mexico

For each of the aforementioned countries, detailed analysis and data for annual revenue are available for 2019-2030. The breakdowns of key national markets by Communication Infrastructure, Connectivity, and Industry Vertical over the forecast years are also included.

The report also covers current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Specifically, potential risks associated with investing in North America 5G technology market are assayed quantitatively and qualitatively through GMD's Risk Assessment System. According to the risk analysis and evaluation, Critical Success Factors (CSFs) are generated as a guidance to help investors & stockholders identify emerging opportunities, manage and minimize the risks, develop appropriate business models, and make wise strategies and decisions.

Key Players (this may not be a complete list and extra companies can be added upon request):

AT&T, Inc.  
China Mobile Ltd.  
China Telecommunications Corporation  
Cisco Systems, Inc.  
Deutsche Telekom Ag  
Ericsson AB  
Extreme Networks  
Fujitsu  
Google Inc.  
Huawei Technologies Co., Ltd.  
Intel Corporation  
Lenovo  
LG Electronics  
MediaTek Inc.  
Nokia Corp.  
NTT Docomo, Inc.  
Oppo  
Orange S.A.  
Qualcomm Technologies, Inc.  
Samsung Electronics Co., Ltd.  
Sk Telecom Co. Ltd.  
Sprint

Telefonaktiebolaget LM Ericsson  
T-Mobile  
Verizon Communications Inc.

(Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

## Contents

### **1 INTRODUCTION**

- 1.1 Industry Definition and Research Scope
  - 1.1.1 Industry Definition
  - 1.1.2 Research Scope
- 1.2 Research Methodology
  - 1.2.1 Overview of Market Research Methodology
  - 1.2.2 Market Assumption
  - 1.2.3 Secondary Data
  - 1.2.4 Primary Data
  - 1.2.5 Data Filtration and Model Design
  - 1.2.6 Market Size/Share Estimation
  - 1.2.7 Research Limitations
- 1.3 Executive Summary

### **2 MARKET OVERVIEW AND DYNAMICS**

- 2.1 Market Size and Forecast
- 2.2 Major Growth Drivers
- 2.3 Market Restraints and Challenges
- 2.4 Emerging Opportunities and Market Trends
- 2.5 Porter's Fiver Forces Analysis

### **3 SEGMENTATION OF NORTH AMERICA MARKET BY OFFERING**

- 3.1 Market Overview by Offering
- 3.2 Hardware
- 3.3 Software
- 3.4 Service

### **4 SEGMENTATION OF NORTH AMERICA MARKET BY COMMUNICATION INFRASTRUCTURE**

- 4.1 Market Overview by Communication Infrastructure
- 4.2 Radio Access Network (RAN)
  - 4.2.1 Small Cell Base Station
  - 4.2.2 Macro Cell Base Station

- 4.2.3 Distributed Antenna Systems (DAS)
- 4.3 Core Network
  - 4.3.1 Software-Defined Networking (SDN)
  - 4.3.2 Network Function Virtualization (NFV)
  - 4.3.3 Mobile Edge Computing (MEC)
  - 4.3.4 Fog Computing (FC)
  - 4.3.5 Network Slicing (NS)
- 4.4 Transport Network

## **5 SEGMENTATION OF NORTH AMERICA MARKET BY CONNECTIVITY**

- 5.1 Market Overview by Connectivity
- 5.2 Enhanced Mobile Broadband (EMBB)
- 5.3 Massive Machine-type Communications (MMTC)
- 5.4 Ultra-reliable Low-latency Communication (URLLC)

## **6 SEGMENTATION OF NORTH AMERICA MARKET BY SPECTRUM RANGE**

- 6.1 Market Overview by Spectrum Range
- 6.2 6.3 1–6 GHz
- 6.4 > 6 GHz

## **7 SEGMENTATION OF NORTH AMERICA MARKET BY APPLICATION**

- 7.1 Market Overview by Application
- 7.2 Industrial IoT
- 7.3 Connected Transportation & Autonomous Driving
- 7.4 Monitoring & Tracking
- 7.5 Enhanced Video Services
- 7.6 Virtual Reality & Augmented Reality
- 7.7 Smart Surveillance
- 7.8 Other Applications

## **8 SEGMENTATION OF NORTH AMERICA MARKET BY INDUSTRY VERTICAL**

- 8.1 Market Overview by Industry Vertical
- 8.2 Media and Entertainment
- 8.3 Automotive & Transportation
- 8.4 Healthcare



- 8.5 Consumer Electronics
- 8.6 Industrial Manufacturing
- 8.7 Intelligent Buildings & Home Automation
- 8.8 Energy & Utilities
- 8.9 Public Safety and Surveillance
- 8.10 Defense and Military
- 8.11 Other Verticals

## **9 NORTH AMERICA MARKET 2019-2030 BY COUNTRY**

- 9.1 Overview of North America Market
- 9.2 U.S.
- 9.3 Canada
- 9.4 Mexico

## **10 COMPETITIVE LANDSCAPE**

- 10.1 Overview of Key Vendors
- 10.2 New Product Launch, Partnership, Investment, and M&A
- 10.3 Company Profiles
  - AT&T, Inc.
  - China Mobile Ltd.
  - China Telecommunications Corporation
  - Cisco Systems, Inc.
  - Deutsche Telekom Ag
  - Ericsson AB
  - Extreme Networks
  - Fujitsu
  - Google Inc.
  - Huawei Technologies Co., Ltd.
  - Intel Corporation
  - Lenovo
  - LG Electronics
  - MediaTek Inc.
  - Nokia Corp.
  - NTT Docomo, Inc.
  - Oppo
  - Orange S.A.
  - Qualcomm Technologies, Inc.

Samsung Electronics Co., Ltd.  
Sk Telecom Co. Ltd.  
Sprint  
Telefonaktiebolaget LM Ericsson  
T-Mobile  
Verizon Communications Inc.

## **11 INVESTING IN NORTH AMERICA MARKET: RISK ASSESSMENT AND MANAGEMENT**

11.1 Risk Evaluation of North America Market  
11.2 Critical Success Factors (CSFs)  
Related Reports and Products

## List Of Tables

### LIST OF TABLES

- Table 1. Snapshot of North America 5G Technology Market, 2019-2030
- Table 2. Comparison of Average Download Speed of 3G, 4G, and 5G
- Table 3. World Smartphone Connections, Average Network Connection Speed for Smartphones and Tablets, 2019-2030
- Table 4. World Mobile Data Traffic by Application, 2019-2030, EB/year
- Table 5. World Mobile Data Traffic by Device, 2019-2030, EB/year
- Table 6. Main Product Trends and Market Opportunities in North America 5G Technology Market
- Table 7. North America 5G Technology Market by Offering, 2019-2030, \$ bn
- Table 8. North America 5G Technology Market by Communication Infrastructure, 2019-2030, \$ bn
- Table 9. North America 5G Technology Market by Connectivity, 2019-2030, \$ bn
- Table 10. North America 5G Technology Market by Spectrum Range, 2019-2030, \$ bn
- Table 11. 5G Frequency Bands in Development in Major Region
- Table 12. North America 5G Technology Market by Application, 2019-2030, \$ bn
- Table 13. North America Market by Industry Vertical, 2019-2030, \$ bn
- Table 14. North America 5G Technology Market by Country, 2019-2030, \$ bn
- Table 15. U.S. 5G Technology Market by Communication Infrastructure, 2019-2030, \$ bn
- Table 16. U.S. 5G Technology Market by Connectivity, 2019-2030, \$ bn
- Table 17. U.S. 5G Technology Market by Industry Vertical, 2019-2030, \$ bn
- Table 18. Canada 5G Technology Market by Communication Infrastructure, 2019-2030, \$ bn
- Table 19. Canada 5G Technology Market by Connectivity, 2019-2030, \$ bn
- Table 20. Canada 5G Technology Market by Industry Vertical, 2019-2030, \$ bn
- Table 21. Mexico 5G Technology Market by Communication Infrastructure, 2019-2030, \$ bn
- Table 22. Mexico 5G Technology Market by Connectivity, 2019-2030, \$ bn
- Table 23. Mexico 5G Technology Market by Industry Vertical, 2019-2030, \$ bn
- Table 24. AT&T, Inc.: Company Snapshot
- Table 25. AT&T, Inc.: Business Segmentation
- Table 26. AT&T, Inc.: Product Portfolio
- Table 27. AT&T, Inc.: Revenue, 2016-2018, \$ bn
- Table 28. AT&T, Inc.: Recent Developments
- Table 29. Risk Evaluation for Investing in North America Market, 2019-2030

## Table 30. Critical Success Factors and Key Takeaways

## List Of Figures

### LIST OF FIGURES

Figure 1. Research Method Flow Chart

Figure 2. Breakdown of Primary Research

Figure 3. Bottom-up Approach and Top-down Approach for Market Estimation

Figure 4. North America Market Forecast in Optimistic, Conservative and Balanced Perspectives, 2019-2030

Figure 5. North America 5G Technology Market, 2019-2030, \$ bn

Figure 6. Primary Drivers and Impact Factors of North America 5G Technology Market

Figure 7. World 5G Traffic, 2019-2030, EB/year

Figure 8. Primary Restraints and Impact Factors of North America 5G Technology Market

Figure 9. Porter's Fiver Forces Analysis of North America 5G Technology Market

Figure 10. Breakdown of North America 5G Technology Market by Offering, 2019-2030, % of Revenue

Figure 11. North America Addressable Market Cap in 2020-2030 by Offering, Value (\$ bn) and Share (%)

Figure 12. North America 5G Technology Market: Hardware, 2019-2030, \$ bn

Figure 13. North America 5G Technology Market: Software, 2019-2030, \$ bn

Figure 14. North America 5G Technology Market: Service, 2019-2030, \$ bn

Figure 15. Breakdown of North America 5G Technology Market by Communication Infrastructure, 2019-2030, % of Revenue

Figure 16. North America Addressable Market Cap in 2020-2030 by Communication Infrastructure, Value (\$ bn) and Share (%)

Figure 17. North America 5G Technology Market: Radio Access Network (RAN), 2019-2030, \$ bn

Figure 18. Breakdown of North America 5G Radio Access Network (RAN) Market by Component, 2019-2030, % of Revenue

Figure 19. North America 5G Technology Market: Small Cell Base Station, 2019-2030, \$ bn

Figure 20. North America 5G Technology Market: Macro Cell Base Station, 2019-2030, \$ bn

Figure 21. North America 5G Technology Market: Distributed Antenna Systems (DAS), 2019-2030, \$ bn

Figure 22. North America 5G Technology Market: Core Network, 2019-2030, \$ bn

Figure 23. Breakdown of North America 5G Core Network Market by Type, 2019-2030, % of Revenue

Figure 24. North America 5G Technology Market: Software-Defined Networking (SDN), 2019-2030, \$ bn

Figure 25. North America 5G Technology Market: Network Function Virtualization (NFV), 2019-2030, \$ bn

Figure 26. North America 5G Technology Market: Mobile Edge Computing (MEC), 2019-2030, \$ bn

Figure 27. North America 5G Technology Market: Fog Computing (FC), 2019-2030, \$ bn

Figure 28. North America 5G Technology Market: Network Slicing (NS), 2019-2030, \$ bn

Figure 29. North America 5G Technology Market: Transport Network, 2019-2030, \$ bn

Figure 30. Breakdown of North America 5G Technology Market by Connectivity, 2019-2030, % of Sales Revenue

Figure 31. North America Addressable Market Cap in 2020-2030 by Connectivity, Value (\$ bn) and Share (%)

Figure 32. North America 5G Technology Market: Enhanced Mobile Broadband (EMBB), 2019-2030, \$ bn

Figure 33. North America 5G Technology Market: Massive Machine-type Communications (MMTC), 2019-2030, \$ bn

Figure 34. North America 5G Technology Market: Ultra-reliable Low-latency Communication (URLLC), 2019-2030, \$ bn

Figure 35. Breakdown of North America 5G Technology Market by Spectrum Range, 2019-2030, % of Sales Revenue

Figure 36. North America Addressable Market Cap in 2020-2030 by Spectrum Range, Value (\$ bn) and Share (%)

Figure 37. North America 5G Technology Market: <math>\le 1\text{ GHz}</math>, 2019-2030, \$ bn

Figure 38. North America 5G Technology Market: 1–6 GHz, 2019-2030, \$ bn

Figure 39. North America 5G Technology Market: > 6 GHz, 2019-2030, \$ bn

Figure 40. Breakdown of North America 5G Technology Market by Application, 2019-2030, % of Revenue

Figure 41. North America Addressable Market Cap in 2020-2030 by Application, Value (\$ bn) and Share (%)

Figure 42. North America 5G Technology Market: Industrial IoT, 2019-2030, \$ bn

Figure 43. North America 5G Technology Market: Connected Transportation & Autonomous Driving, 2019-2030, \$ bn

Figure 44. North America 5G Technology Market: Monitoring & Tracking, 2019-2030, \$ bn

Figure 45. North America 5G Technology Market: Enhanced Video Services, 2019-2030, \$ bn

Figure 46. North America 5G Technology Market: Virtual Reality & Augmented Reality, 2019-2030, \$ bn

Figure 47. North America 5G Technology Market: Smart Surveillance, 2019-2030, \$ bn

Figure 48. North America 5G Technology Market: Other Applications, 2019-2030, \$ bn

Figure 49. Breakdown of North America Market by Industry Vertical, 2019-2030, % of Revenue

Figure 50. North America Addressable Market Cap in 2020-2030 by Industry Vertical, Value (\$ bn) and Share (%)

Figure 51. North America 5G Technology Market: Media and Entertainment, 2019-2030, \$ bn

Figure 52. North America 5G Technology Market: Automotive & Transportation, 2019-2030, \$ bn

Figure 53. North America 5G Technology Market: Healthcare, 2019-2030, \$ bn

Figure 54. North America 5G Technology Market: Consumer Electronics, 2019-2030, \$ bn

Figure 55. North America 5G Technology Market: Industrial Manufacturing, 2019-2030, \$ bn

Figure 56. North America 5G Technology Market: Intelligent Buildings & Home Automation, 2019-2030, \$ bn

Figure 57. North America 5G Technology Market: Energy & Utilities, 2019-2030, \$ bn

Figure 58. North America 5G Technology Market: Public Safety and Surveillance, 2019-2030, \$ bn

Figure 59. North America 5G Technology Market: Defense and Military, 2019-2030, \$ bn

Figure 60. North America 5G Technology Market: Other Verticals, 2019-2030, \$ bn

Figure 61. Breakdown of North America 5G Technology Market by Country, 2019 and 2030, % of Revenue

Figure 62. Contribution to North America 2020-2030 Cumulative Revenue by Country, Value (\$ bn) and Share (%)

Figure 63. U.S. 5G Technology Market, 2019-2030, \$ bn

Figure 64. Canada 5G Technology Market, 2019-2030, \$ bn

Figure 65. 5G Technology Market in Mexico, 2015-2026, \$ bn

Figure 66. Growth Stage of North America 5G Technology Industry over the Forecast Period

Figure 67. Key Players in 5G Technology Supply Chain

## I would like to order

Product name: North America 5G Technology Market 2020-2030 by Offering, Communication Infrastructure, Connectivity (EMBB, MMTTC, URLLC), Spectrum Range, Application, Industry Vertical, and Country: Trend Forecast and Growth Opportunity

Product link: <https://marketpublishers.com/r/NA9AD6BDFFCFEN.html>

Price: US\$ 2,448.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/NA9AD6BDFFCFEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below



and fax the completed form to +44 20 7900 3970