

5G Market Assessment: Vendor Strategies, Technology and Infrastructure Outlook and Application Forecasts 2016 - 2025

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Abstracts

Leveraging various technologies such as directional antennas, millimeter wave RF, and edge computing solutions, 5G network provides much higher data rates (in a range of several gigabits per second) as compared to 4G/LTE. Equally important, 5G will provide ultra-low latency (less than 1 millisecond delay) required for certain portable or mobile apps and services such as industrial automation, robotics, haptic Internet, and virtual reality.

5G is also being standardized to provide improvements to the Internet of Things (IoT). However, 5G is not without its own challenges including how it will work with/for fixed wireless and back-haul, how 5G IoT solutions will relate to various non-cellular IoT low power WAN solutions, how will companies deal with massive amounts of data analytics from autonomous vehicles, and more.

This research provides an in-depth assessment of both technical issues (enabling technologies, 5G standardization and research initiatives, spectrum bands, etc.) and business areas (market drivers, challenges, use cases, vertical market applications, regulatory issues, trial commitments, introduction strategies, and impact to CSPs), as well as analysis of the emerging 5G ecosystem.

The report includes specific ecosystem constituent recommendations and forecasts for both 5G investments, subscriptions, and more for the period of 2016 - 2025. All purchases of Mind Commerce reports includes time with an expert analyst who will help you link key findings in the report to the business issues you're addressing. This needs to be used within three months of purchasing the report.

Select Findings:

Large-scale commercial 5G trials to increase 5X by 2021

Manufacturing to be leading IoT 5G industrial application area by 2021

Leading 5G apps include IoT, Haptic Internet, Virtual Reality, and Robotics

5G enabled autonomous robots market is expected to reach \$14.6 billion by 2030

5G will lead to accelerated Virtual Reality deployment with \$72B incremental revenue by 2026

Report Benefits:

Forecasts for leading 5G apps and services

Understand 5G technologies and solutions

Identify company R&D strategies and plans

Learn about 5G challenges and opportunities

Identify 5G investment targets and allocations

Target Audience:

Wireless service providers

5G infrastructure suppliers

Wireless device manufacturers

Big Data and analytics companies

Internet of Things (IoT) companies

Robotics and Virtual Reality suppliers

Enterprise across all industry verticals

Companies and Organizations in Report:

4G Americas

5G PPP

Alcatel-Lucent

Broadcom

China Mobile

Ericsson

Fujitsu

GSMA

Huawei

Intel Corporation

LG Uplus Corp.

METIS

NEC Corporation

NGMN

Nokia Networks

NTT DoCoMo

Ofcom UK

Qualcomm

Samsung

SingTel

SK telecom

ZTE Corporation

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