

# 4G LTE (Long Term Evolution): Market Research Report

<https://marketpublishers.com/r/4351158B530EN.html>

Date: December 2017

Pages: 255

Price: US\$ 5,600.00 (Single User License)

ID: 4351158B530EN

## Abstracts

This report analyzes the worldwide markets for 4G LTE (Long Term Evolution) in Number of Unique Subscribers in Thousand. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World. Annual estimates and forecasts are provided for the period 2014 through 2022. Market data and analytics are derived from primary and secondary research.

Company profiles are primarily based on public domain information including company URLs.

The report profiles 88 companies including many key and niche players such as -

AT&T

Bharti Airtel Limited

China Mobile Limited

China Telecom Corporation Limited

China Unicom (Hong Kong) Limited

## Contents

### I. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS

### II. EXECUTIVE SUMMARY

#### 1. INDUSTRY OVERVIEW

Mobile Communications: An Introductory Prelude

**Table 1.** Global Mobile Network Services Market by Technology (2016): Percentage Breakdown of Number of Unique Subscribers for GSM, HSPA, Long Term Evolution (LTE) and Others (includes corresponding Graph/Chart)

#### **4G: THE LATEST TRANSFORMATIVE PHASE OF MOBILE COMMUNICATION SECTOR**

**Table 2.** 4G Network Availability (In %) in Select Countries (2016) (includes corresponding Graph/Chart)

**Table 3.** Average 4G Network Speeds (in Mbps) in Select Countries (2016) (includes corresponding Graph/Chart)

#### **4G PENETRATION RATES CONTINUE TO RISE**

Key Advantages Offered Drive Wider Adoption

#### **1 GBPS DOWNLINK PEAK DATA SPEEDS OF LTE-A TILT THE TIDE IN FAVOR OF 4G**

Evolution in Peak LTE Downlink Throughput over the Years

Thrust towards QoS & QoE Instigates 4G Deployments

Operators Prioritize 4G in line with Changing User Expectations

Developed Countries: The Foremost Adopters of 4G Services

Developing Countries: Hot Spots for Future Growth

Positive Economic Scenario to Help Augment Market Prospects

**Table 4.** World Real GDP Growth Rates in % (2014-2017P): Breakdown by Country/Region (includes corresponding Graph/Chart)

Global Market Outlook

## **2. MARKET TRENDS & GROWTH DRIVERS**

### **4G MAKES ROBUST GAINS IN GENERAL & ENTERPRISE CONSUMER MARKETS**

Transition from 3G to LTE and WiMAX Fuels Market Growth  
Smartphones Usage Patterns Favor 4G Market

**Table 5.** World Smartphones Market by Region/ Country (2015 & 2020): Breakdown of Annual Shipments (thousand units) for Asia-Pacific (Excluding Japan), Canada, Europe, Japan, Latin America, Middle East and US (includes corresponding Graph/Chart)

**Table 6.** Global Smartphone Adoption Rate and Connections (2013-2020) (includes corresponding Graph/Chart)

**Table 7.** Smartphone Penetration as a Proportion (%) of Total Mobile Users in Select Countries (2015 & 2017E) (includes corresponding Graph/Chart)

Uptrend in Mobile Internet Usage Elevates Market Prospects

### **4G TO PLAY PIVOTAL ROLE IN FUTURE GROWTH OF MOBILE TRAFFIC**

**Table 8.** Global Mobile Traffic Scenario by Application Type (2016 & 2022): Percentage Breakdown of Exabyte Consumption for Browsing, Social Networking, Video and Others (includes corresponding Graph/Chart)

**Table 9.** Monthly Mobile Data Traffic for Smartphones by Region (2016 & 2022): Data Usage in GB/month for North America, Europe, Asia-Pacific, Latin America and Rest of World (includes corresponding Graph/Chart)

**Table 10.** Monthly Mobile Data Traffic (in GB) for Smartphones and Tablet PCs (2016 &

2022) (includes corresponding Graph/Chart)

#### **4G TO SUFFICE MOBILE VIDEO DEMAND**

#### **4G ENHANCES ONLINE GAMING EXPERIENCE**

#### **4G CONNECTIVITY FOR END-TO-END SOCIAL NETWORKING**

Mobile Messaging Made Highly Convenient with 4G Service

**Table 11.** Global Mobile Messaging App Market by Region/Country (2016 & 2020): Breakdown of Number of Users (in Thousands) for US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa and Latin America (includes corresponding Graph/Chart)

Urban Locations: The Key Service Zones for 4G

**Table 12.** Total Population Worldwide by Urban and Rural Population in Thousands: 1950-2050P (includes corresponding Graph/Chart)

**Table 13.** Percentage of Urban Population in Select Countries (2010 & 2050P) (includes corresponding Graph/Chart)

Ballooning Middle Class Population Offers Steady Growth Opportunities

**Table 14.** Global Middle Class Population (in Millions) by Geographic Region: 2010 & 2020P (includes corresponding Graph/Chart)

**Table 15.** Global Middle Class Spending (in US\$ Trillion) by Region (2015 & 2030P) (includes corresponding Graph/Chart)

#### **4G OFFERS COMPREHENSIVE SUPPORT FOR IOT & M2M**

Enterprises Prefer 4G Solution in their 'Mobility' Ecosystem

#### **4G TO IMPROVE PROSPECTS OF SMES**

## **4G FOR SEAMLESS MOBILE CLOUD SERVICES**

OFDMA-Based LTE-A Propagates 4G Market Expansion  
Both LTE-TDD and LTE-FDD Gain Traction  
LTE-A Enhancements Augment Proficiency of 4G Networks  
Carrier Aggregation: A High-Tech Enhancement

## **4G DEPLOYMENTS WITH SMALL CELLS GATHER STEAM**

VoLTE to Drive Uptake of 4G Services

## **4G TO PROLIFERATE WI-FI DOMAIN**

Digital Transactions Made Easier with 4G  
High-Potential Opportunities in Automotive Sector

## **4G TO AID HEALTHCARE SECTOR**

Public Safety Operations Made Easier with 4G LTE

## **4G: BOON FOR APP DEVELOPERS**

Seamless Support for App Innovation  
Upcoming 5G Technology to Influence Market Prospects

## **3. TECHNOLOGY OVERVIEW**

### **4. SERVICE/PRODUCT LAUNCHES**

AT&T to Enhance 4G LTE Capacity in Henry County  
Verizon and Samsung Launch 4G LTE Network Extender for Enterprise  
AT&T Rolls Out 4G Services in Greene and Owen County  
Reliance Jio Unveils 4G SIM Cards  
Micromax Introduces Micromax Canvas Spark 4G Smartphone  
Micromax Introduces Canvas 5 Lite Smartphone  
Asus Introduces ASUS Zenfone GO 4.5 LTE  
Telstra Commences Wholesale 4G Mobile Services to MVNO Partners  
VNPN-VinaPhone Commences 4G Services in Vietnam  
BTL and Huawei to Rollout 4G LTE Network in Belize

Etisalat Nigeria Introduces Mobile 4G LTE Service in Nigeria  
Zantel to Unveil 4G Services in Tanzania  
Lenovo Unveils A2010 4G LTE Smartphone  
Micromax Introduces New 4G LTE Smartphones  
Etisalat Introduces 4G LTE Services in the Middle East

## **5. RECENT INDUSTRY ACTIVITY**

AT&T Collaborates with Honda North America  
Avago Technologies Acquires Broadcom  
KDDI Signs VoLTE Roaming Agreement with Verizon  
Qualcomm Signs Patent License Agreement with Lenovo  
Idea Cellular Selects Ericsson for 4G Upgrade  
Vodafone Teams Up with Afrimax Group  
U. S. Cellular to Add 4G LTE Cell Sites  
Mitel Takes Over Mavenir Systems  
Sistema Shyam Teleservices to Merge with Reliance Communications  
MediaTek Extends Collaboration with Micromax Informatics  
SK Telecom Selects Broadcom

## **6. FOCUS ON SELECT GLOBAL PLAYERS**

### **4G SERVICE PROVIDERS**

#### **AT&T (US)**

Bharti Airtel Limited (India)  
China Mobile Limited (China)  
China Telecom Corporation Limited (China)  
China Unicom (Hong Kong) Limited (China)  
KDDI Corp. (Japan)  
KT Corp. (South Korea)  
NTT DoCoMo, Inc. (Japan)  
Orange S. A. (France)  
SK Telecom (South Korea)  
Sprint Nextel Corporation (US)  
Telefónica S. A. (Spain)  
Telenor ASA (Norway)  
Telstra Corporation Limited (Australia)

T-Mobile International AG & Co. KG (Germany)  
Verizon Communications, Inc. (US)  
Vodafone Group Plc (UK)

## **4G HANDSET & INFRASTRUCTURE PROVIDERS**

Apple Inc. (US)  
Cisco Systems, Inc. (US)  
HTC Corporation (Taiwan)  
Huawei Technologies Co., Ltd. (China)  
Lenovo (China)  
Motorola Mobility LLC (US)  
LG Electronics, Inc. (South Korea)  
Nokia Networks (Finland)  
Samsung Electronics Co., Ltd. (South Korea)  
Telefonaktiebolaget LM Ericsson (Sweden)  
ZTE Corporation (China)

## **7. GLOBAL MARKET PERSPECTIVE**

**Table 16.** World Recent Past, Current and Future Analysis for 4G / Long Term Evolution (LTE) by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific, Latin America and Rest of World Markets Independently Analyzed with Number of Unique Subscribers in Thousand for the Years 2014 through 2022 (includes corresponding Graph/Chart)

**Table 17.** World 7-Year Perspective for 4G / Long Term Evolution (LTE) by Geographic Region - Percentage Breakdown of Number of Unique Subscribers for US, Canada, Japan, Europe, Asia-Pacific, Latin America and Rest of World Markets for the Years 2016 and 2022 (includes corresponding Graph/Chart)

## **III. MARKET**

### **1. THE UNITED STATES**

#### **A. Market Analysis**

##### **Market Overview**

**Increasing Role of Mobile Internet Bodes Well for 4G Market**

Uptrend in Mobile Video Vertical Augments 4G Prospects  
Leading Players in the 4G Services Vertical  
Apple Leads 4G Devices Domain  
Service/Product Launches  
Strategic Corporate Developments  
Select Key Players  
B. Market Analytics

**Table 18.** US Recent Past, Current and Future Analysis for 4G / Long Term Evolution (LTE) Market Analyzed with Number of Unique Subscribers in Thousand for the Years 2014 through 2022 (includes corresponding Graph/Chart)

## 2. CANADA

Market Analysis

**Table 19.** Canadian Recent Past, Current and Future Analysis for 4G / Long Term Evolution (LTE) Market Analyzed with Number of Unique Subscribers in Thousand for the Years 2014 through 2022 (includes corresponding Graph/Chart)

## 3. JAPAN

A. Market Analysis  
Outlook

### 4G TO GAIN FROM UPTREND IN SMARTPHONE MARKET

Key Players  
B. Market Analytics

**Table 20.** Japanese Recent Past, Current and Future Analysis for 4G / Long Term Evolution (LTE) Market Analyzed with Number of Unique Subscribers in Thousand for the Years 2014 through 2022 (includes corresponding Graph/Chart)

## 4. EUROPE



## A. Market Analysis

### Outlook

## **4G EMERGES AS A NATURAL CHOICE FOR MOBILE DATA USERS**

**Table 21.** 4G Coverage Rate as a Percentage of Population in Select European Countries as of Q3 2016 (includes corresponding Graph/Chart)

## **4G BENEFITS FROM UPWARD TRAJECTORY IN SMARTPHONES SEGMENT**

**Table 22.** Smartphone Penetration as a Proportion (%) of Total Mobile Users in Select Countries (2015 & 2017E) (includes corresponding Graph/Chart)

### Leading Players in the 4G Services Domain

## B. Market Analytics

**Table 23.** European Recent Past, Current and Future Analysis for 4G / Long Term Evolution (LTE) by Geographic Region - France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Number of Unique Subscribers in Thousand for the Years 2014 through 2022 (includes corresponding Graph/Chart)

**Table 24.** European 7-Year Perspective for 4G / Long Term Evolution (LTE) by Geographic Region - Percentage Breakdown of Number of Unique Subscribers for France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets for the Years 2016 and 2022 (includes corresponding Graph/Chart)

## **4A. FRANCE**

### A. Market Analysis

#### Key Player

### B. Market Analytics

**Table 25.** French Recent Past, Current and Future Analysis for 4G / Long Term Evolution (LTE) Market Analyzed with Number of Unique Subscribers in Thousand for the Years 2014 through 2022 (includes corresponding Graph/Chart)

## 4B. GERMANY

A. Market Analysis

Key Player

B. Market Analytics

**Table 26.** German Recent Past, Current and Future Analysis for 4G / Long Term Evolution (LTE) Market Analyzed with Number of Unique Subscribers in Thousand for the Years 2014 through 2022 (includes corresponding Graph/Chart)

## 4C. ITALY

Market Analysis

**Table 27.** Italian Recent Past, Current and Future Analysis for 4G / Long Term Evolution (LTE) Market Analyzed with Number of Unique Subscribers in Thousand for the Years 2014 through 2022 (includes corresponding Graph/Chart)

## 4D. THE UNITED KINGDOM

A. Market Analysis

Key Player

B. Market Analytics

**Table 28.** UK Recent Past, Current and Future Analysis for 4G / Long Term Evolution (LTE) Market Analyzed with Number of Unique Subscribers in Thousand for the Years 2014 through 2022 (includes corresponding Graph/Chart)

## 4E. SPAIN

A. Market Analysis

Key Player

B. Market Analytics

**Table 29.** Spanish Recent Past, Current and Future Analysis for 4G / Long Term

Evolution (LTE) Market Analyzed with Number of Unique Subscribers in Thousand for the Years 2014 through 2022 (includes corresponding Graph/Chart)

#### **4F. RUSSIA**

Market Analysis

**Table 30.** Russian Recent Past, Current and Future Analysis for 4G / Long Term Evolution (LTE) Market Analyzed with Number of Unique Subscribers in Thousand for the Years 2014 through 2022 (includes corresponding Graph/Chart)

#### **4G. REST OF EUROPE**

A. Market Analysis

Outlook

#### **4G MARKET SEES FAST PACED GROWTH IN SCANDINAVIAN COUNTRIES**

Key Players

B. Market Analytics

**Table 31.** Rest of Europe Recent Past, Current and Future Analysis for 4G / Long Term Evolution (LTE) Market Analyzed with Number of Unique Subscribers in Thousand for the Years 2014 through 2022 (includes corresponding Graph/Chart)

#### **5. ASIA-PACIFIC**

A. Market Analysis

Outlook

Expanding User Base of Smartphones to Augment Demand for 4G Services

**Table 32.** Smartphone Penetration as a Proportion (%) of Total Mobile Users in Select Countries (2015 & 2017E) (includes corresponding Graph/Chart)

B. Market Analytics

**Table 33.** Asia-Pacific Recent Past, Current and Future Analysis for 4G / Long Term Evolution (LTE) by Geographic Region - China, India and Rest of Asia-Pacific Markets Independently Analyzed with Number of Unique Subscribers in Thousand for the Years 2014 through 2022 (includes corresponding Graph/Chart)

**Table 34.** Asia-Pacific 7-Year Perspective for 4G / Long Term Evolution (LTE) by Geographic Region - Percentage Breakdown of Number of Unique Subscribers for China, India and Rest of Asia-Pacific Markets for the Years 2016 and 2022 (includes corresponding Graph/Chart)

## 5A. CHINA

A. Market Analysis  
Outlook

### 4G EMERGENCES AS MOBILE NETWORK OF CHOICE

Rapidly Expanding 4G Subscription Rates in China

**Table 35.** Chinese Mobile Communication Market by Technology (2017E): Percentage Breakdown of Subscribers for 4G, 3G and 2G (includes corresponding Graph/Chart)

**Table 36.** Chinese Mobile Subscriber Penetration as a Percentage (%) of Total Population (2009-2017E) (includes corresponding Graph/Chart)

**Table 37.** Leading Players in the Chinese 4G LTE Market by Subscriber Base (2016): Percentage Breakdown of Number of Unique Subscribers for China Mobile, China Telecom, China Unicom and Others (includes corresponding Graph/Chart)

**Table 38.** Leading Players in the Chinese 4G LTE Market by Base Station Count (2016): Percentage Breakdown of Number of 4G Base Stations for China Mobile, China Telecom, China Unicom and Others (includes corresponding Graph/Chart)

Large User Base of Smartphones & Mobile Internet Favor Market Expansion  
Key Trends in the Chinese Smartphone Market  
Corporate Development  
Key Players

## B. Market Analytics

**Table 39.** Chinese Recent Past, Current and Future Analysis for 4G / Long Term Evolution (LTE) Market Analyzed with Number of Unique Subscribers in Thousand for the Years 2014 through 2022 (includes corresponding Graph/Chart)

### 5B. INDIA

#### A. Market Analysis

##### Outlook

Launch of Reliance Jio Boosts 4G Market Prospects in India

Mobile Network Operators Prioritize 4G Services

Expanding Smartphones Market Paves Way for 4G Services

Key Trends in the Indian Smartphone Market

Service/Product Launches

Strategic Corporate Developments

Key Player

#### B. Market Analytics

**Table 40.** Indian Recent Past, Current and Future Analysis for 4G / Long Term Evolution (LTE) Market Analyzed with Number of Unique Subscribers in Thousand for the Years 2014 through 2022 (includes corresponding Graph/Chart)

### 5C. REST OF ASIA-PACIFIC

#### A. Market Analysis

##### Outlook

Overview of Select Regional Markets

Australia

South Korea

Taiwan

Service/Product Launches

Corporate Development

Key Players

#### B. Market Analytics

**Table 42.** Rest of Asia-Pacific Recent Past, Current and Future Analysis for 4G / Long Term Evolution (LTE) Market Analyzed with Number of Unique Subscribers in Thousand for the Years 2014 through 2022 (includes corresponding Graph/Chart)

## 6. LATIN AMERICA

### A. Market Analysis

#### Outlook

Market Senses High-Potential Opportunities in Latin America

Mexico 4G Services Market

### B. Market Analytics

**Table 43.** Latin American Recent Past, Current and Future Analysis for 4G / Long Term Evolution (LTE) Market Analyzed with Number of Unique Subscribers in Thousand for the Years 2014 through 2022 (includes corresponding Graph/Chart)

## 7. REST OF WORLD

### A. Market Analysis

#### Outlook

African Mobile Scenario: Key Statistical Data

**Table 44.** African Mobile Communication Market by Technology Type (2016 & 2020P): Percentage Breakdown of Subscriptions for 2G, 3G and 4G (includes corresponding Graph/Chart)

**Table 45.** African Mobile Communication Market (2016 & 2020P): Penetration of Mobile Connectivity as a Percentage (%) of Total Population (includes corresponding Graph/Chart)

**Table 46.** African Mobile Communication Market by Handset Type (2016 & 2020P): Percentage Breakdown of Subscriptions for Smartphones and Non-Smartphones (includes corresponding Graph/Chart)

Service/Product Launches

Corporate Development

### B. Market Analytics

**Table 47.** Rest of World Recent Past, Current and Future Analysis for 4G / Long Term Evolution (LTE) Market Analyzed with Number of Unique Subscribers in Thousand for the Years 2014 through 2022 (includes corresponding Graph/Chart)

#### **IV. COMPETITIVE LANDSCAPE**

Total Companies Profiled: 88 (including Divisions/Subsidiaries - 96)

The United States (16)

Canada (3)

Japan (3)

Europe (25)

France (2)

Germany (2)

The United Kingdom (1)

Italy (1)

Spain (1)

Rest of Europe (18)

Asia-Pacific (Excluding Japan) (33)

Middle East (5)

Latin America (3)

Africa (8)

## I would like to order

Product name: 4G LTE (Long Term Evolution): Market Research Report

Product link: <https://marketpublishers.com/r/4351158B530EN.html>

Price: US\$ 5,600.00 (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/4351158B530EN.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