4G LTE (Long Term Evolution) - Global Strategic Business Report

Description: 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.

This report analyzes the worldwide markets for 4G LTE (Long Term Evolution) in Number of Unique Subscribers in Thousand.

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
   - Study Reliability and Reporting Limitations
   - Disclaimers
   - Data Interpretation & Reporting Level
   - Quantitative Techniques & Analytics
   - Product Definitions and Scope of Study

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)
3. TECHNOLOGY OVERVIEW

Evolution of Mobile Network Technologies
First Generation Networks (1G)
Second Generation Networks (2G)
2.5 Generation Technology (2.5G)
Third Generation Networks (3G)
Value Chain in 3G
Mobile Networks that Support 3G Services
UMTS/ WCDMA
Important Features of WCDMA
HSPA
Features
Benefits Offered
HSDPA
HSUPA
HSPA+  
CDMA  
Evolution-Data Optimized (EV-DO)  
Fourth Generation Networks (4G)  
Comparison of Wireless Broadband Technologies  
Key Components in 4G Infrastructure  
Advantages  
Limitations  

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)
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
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
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
A. 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
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
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
A. 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
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 Emerges 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
Android Remains the Most Popular OS Platform in China
Apple Struggles to Make a Mark in the Chinese Market
Local Vendors Spice-Up the Chinese Smartphone Market
Screen Size Drives Smartphone Success
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
User-Friendly Models Gain Traction
Android Platform Dominates Smartphone Scenario
The Rise of Local Players Stirs-Up Budget Segment
Screen Size Drives Smartphone Success
Corporate Development
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
4G Services Market Gathers Steam
Uptrend in Smartphones Market Instigates Opportunities
South Korea
Taiwan
4G Makes Rapid Progress in Taiwan
Leading Mobile Services Providers
Table 41: Leading Players in the Taiwanese Mobile Services Market (2016): Percentage Breakdown of Mobile Subscriptions for Chunghwa Telecom, Far EasTone, Taiwan Mobile and Others (includes corresponding Graph/Chart)
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)
Ordering:

Order Online - [http://www.researchandmarkets.com/reports/2255351/](http://www.researchandmarkets.com/reports/2255351/)

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: 4G LTE (Long Term Evolution) - Global Strategic Business Report
Web Address: http://www.researchandmarkets.com/reports/2255351/
Office Code: SC2GFYUT

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Format Description</th>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User:</td>
<td></td>
<td>USD 4950</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users:</td>
<td></td>
<td>USD 6930</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 10 Users:</td>
<td></td>
<td>USD 9405</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 15 Users:</td>
<td></td>
<td>USD 11880</td>
</tr>
</tbody>
</table>

* The price quoted above is only valid for 30 days. Please submit your order within that time frame to avail of this price as all prices are subject to change.

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: [ ] Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof
First Name: ___________________________ Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

<table>
<thead>
<tr>
<th>Account number</th>
<th>833 130 83</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sort code</td>
<td>98-53-30</td>
</tr>
<tr>
<td>Swift code</td>
<td>ULSBIE2D</td>
</tr>
<tr>
<td>IBAN number</td>
<td>IE78ULSB98533083313083</td>
</tr>
<tr>
<td>Bank Address</td>
<td>Ulster Bank, 27-35 Main Street, Blackrock, Co. Dublin, Ireland.</td>
</tr>
</tbody>
</table>

If you have a Marketing Code please enter it below:

Marketing Code: ____________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World