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Long-Term Evolution (LTE) Market - Forecasts from 2018 to 2023

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Abstracts

The global long term evolution (LTE) market was valued at US$5.302 billion in 2017 and is expected to reach US$50.102 billion in 2023 growing at CAGR of 45.40% during the forecast period. According to Internet World Stats, the number of internet users have increased from 1,574 million in 2008 to 4,156 million in 2017 with internet penetration rate increased from 23.5% in 2008 to 54.4% in 2017. With increasing internet penetration rate across the globe, the need for advanced wireless technology is surging among the population so as to get better connectivity. Long Term Evolution (LTE) is a standard for 4G wireless broadband technology that offers increased network capacity and speed to wireless device users. It is a technology that offers higher peak data transfer rates- up to 100 Mbps downstream and 30 Mbps upstream, reduced latency, scalable bandwidth capacity and backward-compatibility with existing GSM (Global System for Mobile) and UMTS (Universal Mobile Telecommunications System) technology.

Rapid urbanization, fast industrial growth and advancement in communication technology are leading the way for advanced wireless networks and solutions. Rising trend of automation and smart factories in a number of industries such as automotive, manufacturing, and etc. are boosting the demand for fast and high-speed internet services. This, in turn, is compelling service providers to invest in new wireless technologies to improve the network services across the globe. The key players are increasingly investing in LTE technology so as to provide high-speed data services to the users. For an instance, in April 2016, 3 Sweden invested in TD-LTE- Advanced mobile broadband technology to enhance quality of service in Sweden. In February 2017, Vodafone heavily invested in the deployment of 4G LTE networks in India. The company awarded $300 million contract to Ericsson to deploy 4G services in different telecom zones such as UP West, Rajasthan, Odisha, Assam, and North East.

However, lower internet penetration rate in some regions such as Sub Saharan Africa

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due to lack of network infrastructure can restrain the growth of LTE market.

By Mode

By technology, the global long term evolution (LTE) market has been segmented as LTE-FDD (long-term evolution frequency dividion duplex) and LTE-TDD (long term evolution time division duplex). LTE-TDD is deployed more often in emerging markets partly because it is more suitable than LTE-FDD for broadband wireless access (BWA), which is in strong demand in emerging regions. The relatively low-level of deployment of LTE-TDD in developed regions such as Europe is either “spectrum crunch” does not exist in these regions or it has been mitigated by the release of substantial amounts of paired spectrum by national regulatory (NRAs) to operators, including licensing for the use of 700 MHz and 800 MHz digital dividend licenses.

By Application

By Application, the global long term evolution (LTE) market has been segmented as Audio/Video Telephony, Live TV, Browsing, Gaming, Sharing. Audio/Video Telephony holds a significant market share owing to the burgeoning demand of on demand videos, video chat and better voice services by the users. VOLTE support many callers and reallocate bandwidth as required.

By Geography

Geographically, the Global Long-term evolution (LTE) market is segmented as North America, Europe, Middle East & Africa, Asia-Pacific and South America. Asia Pacific is expected to grow at an impressive rate owing to the increasing LTE investments in this region. Currently, South Korea holds a major share in the market has the best LTE penetration with approximately 97% of the country covered by LTE service.

Competitive Intelligence

The global Long-term evolution (LTE)is competitive owing to the presence of well diversified global and regional players. The key players are ZTE, SAMSUNG, FUJITSU, Cisco, QualcoMM, Aricent Inc., Nokia, Motorola Solutions, Inc., HUAWEI, Ericsson, Alcatel-Lucent, and Juniper Networks among others.

Segmentation

The global long-term evolution (LTE) has been analyzed through following segments:

Segmentation

By Mode

FDD (Frequency Division Duplex)

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TDD (Time Division Duplex)

By Technology

LTE OFDM (Orthogonal Frequency Division Multiplex)

LTE MIMO (Multiple Input Multiple Output)

LTE SAE (System Architecture Evolution)

By Application

Audio/Video Telephony
Live TV
Browsing
Gaming
Sharing

By End User Device

Smartphones

Tablets

Laptops

By Geography

North America

U.S.

Canada

Mexico

Others

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South America

Brazil

Others

Europe

UK

Germany

France

Others

Middle East and Africa

Saudi Arabia

UAE

Israel

Others

Asia-Pacific

Japan

China

India

Australia

Others

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