

Global Public Safety LTE Market Size Study & Forecast, by Product (Private LTE, Commercial LTE, Hybrid LTE), by End-user Application (Emergency Medical Services, Law Enforcement, Border Control, Firefighting Services, Disaster Management), and Regional Analysis, 2023-2030

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Abstracts

Global Public Safety LTE Market is valued at approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2023-2030. Public Safety LTE (Long-Term Evolution) refers to a wireless communication network designed specifically for public safety agencies and emergency services. This technology is widely used in commercial cellular networks and it is adapted to provide reliable, secure, and high-speed data connectivity to support critical communications and applications for public safety organizations. Additionally, the market for Public Safety LTE is driven by increased investments aimed at improving network connectivity and the growing dependency on robust networks for critical public welfare and economic activities.

The growing emphasis on public safety and emergency preparedness, driven by increasing incidents of natural disasters is fueling the demand for robust communication systems. Public Safety LTE networks offer a reliable and dedicated communication infrastructure to support these efforts. According to a comprehensive report published in 2022 by the World Meteorological Organization (WMO), an average of one disaster related to weather, climate, or water hazards occurred every day over the past 50 years. These disasters resulted in the loss of 115 lives and caused daily economic losses amounting to approximately USD 202 million. The report highlights the significant impact of these events on human lives and economies, underscoring the need for

effective strategies to reduce the devastating consequences of such hazards. Furthermore, the market is projected to be fueled by government initiatives such as the development of smart cities, the expanding penetration of the Internet of Things (IoT), and the escalating concerns regarding natural disasters and crimes. However, costly infrastructure, issues associated with the allocation of spectrums, and reliability concerns act as a market throughout the forecast period of 2023-2030.

The key regions considered for the Global Public Safety LTE Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the presence of major players such as General Dynamics Corporation, Harris Corporation, rising investment in IT infrastructure and adoption of digital technologies. Asia Pacific is expected to grow significantly over the forecast period, owing to the substantial demand for LTE networks in countries such as China, Japan, and India. Moreover, the Chinese military has prioritized the advancement of a technologically sophisticated LTE network enabled by 5G, aiming to enhance voice communication services along China's international borders.

Major market players included in this report are:

Airbus SE
AT&T, Inc.
Bittium Corporation
General Dynamics Corporation
Harris Corporation
Huawei Technologies Co. Ltd
Hytera Communications Corporations
KT Corporation
Samsung Electronics Co. Ltd
ZTE Corporations

Recent Developments in the Market:

In July 2020, Hytera has unveiled a new version of its Push-to-Talk over Cellular (PoC) broadband solution, which integrates seamlessly with carriers. Hytera HyTalk MC, this comprehensive solution supports essential services such as 3GPP Mission Critical Push-to-Talk (MCPTT), Mission Critical Data (MCData), and Mission Critical Video (MCVideo). It caters to the needs of both mission-critical and business-critical communication users.

In February 2020, APD Communications entered a contract with the UK Home Office Emergency Services Network (ESN) to provide a public safety network. The purpose of this agreement is to establish a connection between the emergency services using the

LTE network.

Global Public Safety LTE Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Product, End-user Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product:

Private LTE

Commercial LTE

Hybrid LTE

By End-user Application:

Emergency Medical Services

Law Enforcement

Border Control

Firefighting Services

Disaster Management

By Region:

North America

U.S.
Canada

Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC

Latin America
Brazil
Mexico

Middle East & Africa
Saudi Arabia
South Africa
Rest of Middle East & Africa

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