

Global Private 5G Networks Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Private 5G Networks market size was valued at USD 229 million in 2023 and is forecast to a readjusted size of USD 12600 million by 2030 with a CAGR of 77.3% during review period.

A private 5G network is a cellular network that comprises core network servers and cell sites to support connectivity and maximize WAN connection to mobile end points. In addition, it provides features, such as network slicing, low latency, high bandwidth, and more. Moreover, a private 5G network provides industries with high-performing networks and helps in operations of several technologies, such as automated guided vehicles (AGVs), drones, sensor technology, heavy machinery automation, robotics, and others.

Global private 5G networks key players include Nokia, Ericsson, Huawei, etc. Global top 3 manufacturers hold a share over 65%.

Europe is the largest market, with a sales market share about 41%, followed by Asia-Pacific, and North America, both have a sales market share about 55 percent.

In terms of product, Sub-6 GHz is the largest segment, with a share over 80%. And in terms of application, the largest application is energy and utilities, followed by manufacturing.

The Global Info Research report includes an overview of the development of the Private 5G Networks industry chain, the market status of Manufacturing (Sub-6 GHz, mmWave), Energy, Utilities and Mining (Sub-6 GHz, mmWave), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent,

hot applications and market trends of Private 5G Networks.

Regionally, the report analyzes the Private 5G Networks markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Private 5G Networks market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Private 5G Networks market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Private 5G Networks industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the revenue generated, and market share of different by Spectrum (e.g., Sub-6 GHz, mmWave).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Private 5G Networks market.

Regional Analysis: The report involves examining the Private 5G Networks market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Private 5G Networks market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Private 5G Networks:

Company Analysis: Report covers individual Private 5G Networks players, suppliers,

and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Private 5G Networks. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Manufacturing, Energy, Utilities and Mining).

Technology Analysis: Report covers specific technologies relevant to Private 5G Networks. It assesses the current state, advancements, and potential future developments in Private 5G Networks areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Private 5G Networks market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Private 5G Networks market is split by Spectrum and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Spectrum, and by Application in terms of value.

Market segment by Spectrum

Sub-6 GHz

mmWave

Market segment by Application

Manufacturing

Energy, Utilities and Mining

Transportation & Logistics

Education and Hospitality

Government & Public Safety

Corporates & Enterprises

Healthcare

Others

Market segment by players, this report covers

Nokia

Ericsson

Huawei

Samsung

ZTE

China Mobile

China Unicom

Verizon

Deutsche Telekom

Vodafone

Qualcomm

NEC

Fujitsu

NTT

Advantech

Amazon Web Services (AWS)

Cisco

HPE

AT&T

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Australia and Rest of Asia-Pacific)

South America (Brazil, Argentina and Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Private 5G Networks product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Private 5G Networks, with revenue, gross margin and global market share of Private 5G Networks from 2019 to 2024.

Chapter 3, the Private 5G Networks competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Spectrum and application, with consumption value and growth rate by Spectrum, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2019 to 2024. and Private 5G Networks market forecast, by regions, spectrum and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Private 5G Networks.

Chapter 13, to describe Private 5G Networks research findings and conclusion.

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