

# According to CMI Global Private 5G Network Market Size, Forecast & Share to Surpass US\$ 41.80 Bn By 2030 At 49.7% CAGR

Private 5G Network Market was at US\$ 1.45 Billion in 2021 and is growing to approx US\$ 41.80 Billion by 2030, with a CAGR growth of 49.7% between 2022 and 2030.

SANDY, UTAH, UNITED STATES,  
November 22, 2022 /

EINPresswire.com/ -- According to the study, The [Global Private 5G Network Market](#) was estimated at USD 1.45

Billion in 2021 and is anticipated to

reach around USD 41.80 Billion by 2030, growing at a CAGR of roughly 49.7% between 2022 and 2030.

Get a sample of the report: <https://www.custommarketinsights.com/request-for-free-sample/?reportid=21021>

“

The Global Private 5G Network Market was estimated at USD 1.45 Billion in 2021 and is anticipated to reach around USD 41.80 Billion by 2030, growing at a CAGR of roughly 49.7% between 2022 and 2030.”

*Custom Market Insights*



Custom Market Insights

## [Private 5G Network Market: Overview](#)

A private 5G network is similar to a public 5G network; however, it allows an owner to offer preferential licensing and access to its wireless spectrum. It is a wireless local area network that uses 5G-enabled technologies to create a network with dedicated infrastructure and bandwidth to meet the specific connectivity needs of an enterprise. For building a private 5G network, enterprises or other end, users need to purchase spectrum from mobile network operators (MNOs), the government, or third-party

spectrum providers.

The adoption of private 5G networks is attaining traction globally as regulators allocate more

spectrum for enterprises to build private 5G networks. Consequently, the private 5G network market will reach \$xx Mn by 2030.

It is anticipated that vendors in the private 5G network software market will have growth opportunities during the forecast period as enterprises in the manufacturing sector are rapidly implementing 5G capabilities to support transformative applications associated with digital transformation, intelligent factories, and the internet of things (IoT). In addition, many countries are rolling out private 5G networks to augment present capabilities and introduce new possibilities for leading industrial players.

For instance, in 2021, Germany issued 5G personal licenses to about 33 companies, including BASF, BMW, Bosch, Siemens, Volkswagen, and Lufthansa, among others, to run exclusive networks. Also, countries such as France, the U.S., the U.K., and Australia are actively introducing policies to roll out private 5G networks.

#### Private 5G Network Market: Growth Driver

5G technology has become a significant breakthrough in the global telecom sector and is projected to transform almost all other sectors. Hence, the countries are introducing infrastructure development plans that fuel the growth of the private 5G network market. For instance, in June 2022, democratic nations in the Group of Seven (G7) Summit, including Canada, France, Japan, Germany, Italy, the United Kingdom and the United States, introduced a Partnership for Global Infrastructure and Investment to support the development of quality and sustainable infrastructure in middle-income and developing countries.

Through this partnership, G7 nations are aimed at mobilizing about \$600 billion in private and public funding for infrastructure by 2027 to make healthcare, energy, and telecommunications more accessible. On the other hand, as a part of the 14th Five-Year Plan of China 5G network deployment, development has achieved remarkable progress in the past few years.

Thus, infrastructure development plans are boosting the private 5G network market growth.

Furthermore, Industry 4.0 has increased demand for specialized local area networks (LAN) among corporate and industrial sectors. Leading industrial players, including Siemens AG, Mercedes Benz AG, and ABB Ltd., are adopting industrial robotics and sensor-based technologies that help increase production and functional effectiveness. Such technologies rely on the private 5G network for a seamless, secure internet connection.

In addition, 5G-enabled technologies are helping to support the development of intelligent manufacturing and smart factories by offering compelling advantages to manufacturers. This has boosted use cases of self-driving machines, automated guided vehicle systems (AGVs), collaborative mobile robots, AR/VR headsets, predictive maintenance, and augmented reality (A.R.) in industrial applications. Therefore, regulators actively allocate more spectrum to

industrial enterprises to establish their own private 5G networks. For instance, in March 2019, the German regulator, Bundesnetzagentur (The Federal Network Agency), announced an assignment of local 5G licenses to meet the need of SMB-sized businesses and industrial applications.

According to this regulator, 5G could significantly support agriculture, industrial automation, and forestry industries. This has mainly driven the growth of the global private 5G network market.

Report URL: <https://www.custommarketinsights.com/report/private-5g-network-market/>

#### Key Insights:

A) As per the analysis shared by our research analyst, the Private 5G Network market is estimated to grow annually at a CAGR of around 49.7% over the forecast period (2022-2030).

B) In terms of revenue, the Private 5G Network market was valued at around USD 1.45 Billion in 2021 and is projected to reach USD 41.80 Billion by 2030. Due to a variety of driving factors, the market is predicted to rise at a significant rate.

C) The 5G standard demands a much higher data rate, high reliability, ultra-low latency, and security. However, fourth generation (4G) wireless communication technology LTE and LTE advanced has been deployed all over the globe.

D) Organizations willing to deploy private 5G networks heavily invest in new infrastructure to ensure their existing devices are 5G-ready. This creates lucrative growth opportunities for the market.

E) Deployment of a private 5G network is overgrowing globally; however, enterprises still need to work on the technology's costs, competition from well-known alternatives such as Wi-Fi 6, and device limitations.

Press Release For Private 5G Network Market : <https://www.custommarketinsights.com/press-releases/private-5g-network-market-size/>

#### Regional Landscape

North America held a dominant position and is predicted to dominate during the forecast period in the private 5G network market due to increased spending on developing private 5G network infrastructure by significant service providers such as Verizon Communications and AT&T Inc. However, the Asia-Pacific region is expected to witness the highest growth rate during the forecast period due to growing investment in the development of automated factories and the acquisition of a 5G spectrum among countries such as China, South Korea, Japan, and Australia.

Get a sample of the report: <https://www.custommarketinsights.com/request-for-free-sample/?reportid=21021>

#### Key Players

Telefonaktiebolaget LM Ericsson  
Nokia Corp.  
Samsung  
ZTE Corp.  
Deutsche Telekom  
Juniper Networks  
AT&T Inc.  
Verizon Communications  
Altiostar  
Huawei Technologies Co. Ltd.  
Mavenir  
BT Group

Directly Purchase a Copy of the Report @  
<https://www.custommarketinsights.com/checkout/?reportid=21021>

The Private 5G Network Market is segmented as follows:

By Component

Hardware  
Software  
Services

By Frequency

Sub-6 GHz  
mmWave

By Spectrum

Licensed  
Unlicensed/Shared

By Industry Vertical

Manufacturing  
Energy & Utilities  
Transportation & Logistics  
Defense  
Enterprises & Campus  
Mining

Healthcare/Hospitals

Oil & Gas

Retail

Agriculture

Smart Cities

Others

By Geography

North America

The USA

Canada

Mexico

Europe

The UK

Germany

France

Italy

Russia

Rest of Europe

Asia Pacific

China

India

Japan

South Korea

Malaysia

Philippines

Rest of Asia-pacific

Latin America

Brazil

Rest of Latin America

Middle East and Africa

GCC

North Africa

South Africa

Rest of Middle East & Africa

Get a sample of the report: <https://www.custommarketinsights.com/request-for-free->

[sample/?reportid=21021](https://www.custommarketinsights.com/sample/?reportid=21021)

Take a Look at our other Reports:

Global Hydrogen Storage Market 2022 – 2030:

<https://www.custommarketinsights.com/report/hydrogen-storage-market/>

Global Solar Energy Market 2022 – 2030: <https://www.custommarketinsights.com/report/solar-energy-market/>

Global Generic Drug Market 2022 – 2030:

<https://www.custommarketinsights.com/report/generic-drug-market/>

Global Digital Education Publishing Market 2022 – 2030:

<https://www.custommarketinsights.com/report/digital-education-publishing-market/>

Global Animal Healthcare Market 2022 – 2030:

<https://www.custommarketinsights.com/report/animal-healthcare-market/>

About Us

[Custom Market Insights](#) is a market research and advisory company delivering business insights and market research reports to large, small, and medium-scale enterprises. We assist clients with strategies and business policies and regularly work towards achieving sustainable growth in their respective domains.

Custom Market Insights provides a one-stop solution for data collection to investment advice. The expert analysis of our company digs out essential factors that help to understand the significance and impact of market dynamics. The professional experts apply clients inside on the aspects such as strategies for future estimation fall, forecasting or opportunity to grow, and consumer survey.

Get a sample of the report: <https://www.custommarketinsights.com/request-for-free-sample/?reportid=21021>

Contact Us

Joel John

Custom Market Insights

+1 801-639-9061

joel@custommarketinsights.com

Visit us on social media:

[Facebook](#)

[Twitter](#)  
[LinkedIn](#)

---

This press release can be viewed online at: <https://www.einpresswire.com/article/602599857>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2022 Newsmatics Inc. All Right Reserved.