

Europe Private 5G Networks Market Forecast to 2030 - Regional Analysis - By Component (Hardware, Software, and Services), Frequency (Sub-6 GHz and mmWave), and End User (Manufacturing, Energy and Utilities, Automotive, Military and Defense, Government and Public Safety, and Others)

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Abstracts

The Europe private 5G networks market was valued at US\$ 678.26 million in 2022 and is expected to reach US\$ 10,511.58 million by 2030; it is estimated to record a CAGR of 40.9% from 2022 to 2030.

Rising Digitalization across Enterprises Drives Europe Private 5G Networks Market

Enterprise digitalization is the process of transforming businesses using digital technologies. Enterprise digitalization has surged the demand for private 5G networks. As businesses become more digitalized, they need faster, more reliable, and more secure connectivity to support their operations. Private 5G networks can meet these needs by providing dedicated bandwidth, low latency, and high QoS. Moreover, enterprise digitalization is also leading to new business models for private 5G networks. For example, some vendors are offering managed private 5G services, which allows businesses to deploy and manage private 5G networks without having to invest in their infrastructure. For instance, AT&T provides a 5G enterprise solution that promises to deliver broadband speeds over wireless and cellular networks to unlock new opportunities previously constrained by wired, bandwidth, and transmission limitations. Several market players are also taking initiatives to stay competitive in the market. For instance, in 2023, Nokia partnered with DXC technology to launch DXC signal private LTE and 5G solutions. Nokia and DXC Technology, one of the leading Fortune 500

global technology services companies, announced the availability of DXC Signal Private LTE and 5G, a managed secure private wireless network and digitalization platform solution that helps industrial enterprises digitally transform their operations. Therefore, the increasing requirement for IoT is creating a strong demand for private 5G networks. Private 5G networks can offer the bandwidth, latency, reliability, and security that IoT applications require. As a result, the private 5G network market is growing significantly.

Europe Private 5G Networks Market Overview

The Private 5G Networks market in Europe is segmented into Germany, France, Italy, the UK, Spain, and the Rest of Europe. In Europe, businesses in a variety of industries—such as manufacturing, logistics, and healthcare—are increasingly demanding high-speed, low-latency connectivity to support their operations. Private 5G networks can provide these capabilities, making them an attractive option for businesses. Additionally, the European government is investing in the private 5G network. For instance, in March 2023, the Spanish Ministry launched several tenders with a total value of US\$ 53.3 million. On the contrary, according to local media, the Spanish Ministry of Defence is looking to build private 5G networks for the military. The largest tender is for a project to create a testing and training hub to provide military cyber protection training. The second tender is for the establishment of two private 5G standalone networks for two military installations in Madrid. Moreover, a total of US\$ 21.3 million will be granted to initiatives in healthcare, emergency services, logistics, and defense. The winners of the Belgian government's 5G pilot project tender was announced in March 2023. Orange emerged as the clear winner, and it was chosen to carry out a total of 12 of these projects. Citymesh, a private networking provider, was awarded five projects. The government said that the country suffered from a slower 5G rollout than most other EU countries and that the projects would accelerate 5G innovation in Belgium. The project call was first launched in July 2022. Therefore, the private 5G network market in Europe is expected to experience significant growth in the coming years, driven by the increasing demand for high-speed, low-latency connectivity, the growing need for security and privacy, and the increasing availability of spectrum.

Europe Private 5G Networks Market Revenue and Forecast to 2030 (US\$ Million)

Europe Private 5G Networks Market Segmentation

The Europe private 5G networks market is segmented based on component, frequency, end user, and country. Based on component, the Europe private 5G networks market is

categorized into hardware, software, and services. The hardware segment held the largest market share in 2022.

Based on frequency, the Europe private 5G networks market is bifurcated into sub-6GHz and mmwave. The sub-6GHz segment held a larger market share in 2022.

Based on end user, the Europe private 5G networks market is categorized into manufacturing, energy and utilities, automotive, military and defense, government and public safety, and others. The manufacturing segment held the largest market share in 2022.

Based on country, the Europe private 5G networks market is segmented into Germany, the UK, France, Spain, Italy, and the Rest of Europe. Germany dominated the Europe private 5G networks market share in 2022.

Cisco Systems Inc, Huawei Technologies Co Ltd, Nokia Corp, Telefonaktiebolaget LM Ericsson, T-Systems International GmbH, Verizon Communications Inc, Vodafone Group Plc, AT&T, Qualcomm Inc, and Amazon Web Services Inc are some of the leading companies operating in the Europe private 5G networks market.

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