

Middle East & Africa 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 Middle East & Africa private 5G networks market was valued at US\$ 90.47 million in 2022 and is expected to reach US\$ 1,152.29 million by 2030; it is estimated to record a CAGR of 37.4% from 2022 to 2030.

Increasing Use of 5G Small Cells Bolsters Middle East & Africa Private 5G Networks Market

A small cell is a low-powered cellular base station that runs on many frequencies. Small cells, depending on their size, can have transmission ranges extending from 40 feet to a few kilometers. These tiny base stations communicate with the main cellular network by Ethernet, fiber, or wireless. In the consumer and commercial markets, indoor small cells are becoming more common. Small cells, in conjunction with distributed antenna systems and Wi-Fi networks, are increasingly enabling RF coverage. Companies are seeking to build their own private 5G network for corporate use cases will install some of these small cells. For example, according to Small Cell Forum, manufacturing, utility, energy, retail, and transportation industries are the largest investors in small cells due to their requirement to support wide geographic areas. Enterprises can establish a secure, reliable, low-latency, and high-speed private network on premises by combining a private 5G core with a small cell network. Airspan, Cisco, CommScope, Ericsson, NEC Corp, Nokia, and Samsung are among the prominent vendors in the 5G small cell

market. Therefore, the adoption of 5G small cell is expected to remain a trend in the private 5G network market.

Middle East & Africa Private 5G Networks Market Overview

The Middle East & Africa (MEA) Private 5G Networks market is segmented into Saudi Arabia, the UAE, South Africa, and the Rest of MEA. The key countries driving the private 5G network market in the MEA include Saudi Arabia, the UAE, Qatar, and Kuwait. These countries are investing heavily in 5G infrastructure and are promoting the adoption of private 5G networks by businesses. For instance, in March 2023, Aramco signed a non-binding Memorandum of Understanding (MoU) with Samsung Electronics Co., Ltd., outlining preliminary intentions for a strategic collaboration to localize an industrial 5G technology ecosystem in Saudi Arabia, beginning with private networks. Additionally, LTE has been launched by 201 operators in 66 countries in the region, including Guinea, Mozambique, Niger, Syria, Togo, and Yemen (including fully mobile networks and FWA broadband networks using LTE).

The growth of the private 5G network market in the MEA is expected to create significant opportunities for vendors of 5G infrastructure and equipment, as well as for system integrators and managed service providers.

Middle East & Africa Private 5G Networks Market Revenue and Forecast to 2030 (US\$ Million)

Middle East & Africa Private 5G Networks Market Segmentation

The Middle East & Africa private 5G networks market is segmented based on component, frequency, end user, and country. Based on component, the Middle East & Africa private 5G networks market is categorized into hardware, software, and services. The hardware segment held the largest market share in 2022.

In terms of frequency, the Middle East & Africa private 5G networks market is bifurcated into sub-6GHz and mmwave. The sub-6GHz segment held a larger market share in 2022.

By end user, the Middle East & Africa 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 Middle East & Africa private 5G networks market is segmented into the UAE, Saudi Arabia, South Africa, and the Rest of Middle East & Africa. The UAE dominated the Middle East & Africa private 5G networks market share in 2022.

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

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