

5G Security Market by Offering (Solution and Services), End User (Telecom Operators and Enterprises), Network Component Security (RAN and Core Security), Architecture, Application, Vertical and Region - Global Forecast to 2028

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Report description:

The 5G security market is estimated at USD 1.7 billion in 2023 and is projected to reach USD 9.2 billion by 2028, at a CAGR of 38.9% from 2023 to 2028. Various key players in the ecosystem have led to a competitive and diverse market. The 5G security market is in the nascent stage and fuelled by trends, such as security concerns in the 5G network, increasing IoT connections further increasing the demand for enhanced security requirements, increasing ransomware attacks on IoT devices, and rising attacks on critical infrastructure. 5G is among the major enablers of IoT. With increasing investments in 5G infrastructure, there has been a massive growth in the adoption of IoT devices.

"By vertical, manufacturing segment to hold the largest market size during the forecast period."

In the manufacturing sector, businesses are utilizing a new generation of M2M technologies, mobile apps, and hosting services. Additionally, the software is heavily used by industrial firms to manage supply chains, automate operations, support R&D, and digitalize products and services. Cyberattacks compromise data confidentiality through data loss and system failures, which eventually slow down manufacturing. Therefore, the manufacturing industry vertical needs to use 5G security solutions to shield its entire production process and network infrastructure from the increasing volumetric cyberattacks.

"Based on architecture, the 5G NR Non-standalone segment is expected to register the largest market size during the forecast period."

The non-standalone architecture is a 5G service that is built on an existing 4G network rather than functioning independently. It ties the 5G radio networks' control signaling to the 4G core. This architecture combines the present LTE and EPC infrastructure core network with the 5G Radio Access Network and its New Radio interface, making the N technology available without network replacement. Only 4G services are supported by the configuration; however, they benefit from the 5G New Radio's capacities. LTE

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RAN and core networks are used in conjunction with the 5G network in 5G NR non-standalone systems. They are presently undergoing testing in South Korea and China. These networks allow service providers to offer services quickly and affordably. "Middle East and Africa to register the third highest growth rate during the forecast period."

Several nations, including Israel, the UAE, Qatar, the KSA, and South Africa, are part of the Middle East and Africa region. Numerous oil and gas sectors in these nations are important to the economic development of the area.

Dubai is one of the Middle East countries with smart cities as one of their key priorities. The other cities, including Doha, are said to be leading the way in this global economy. Within the following five years, the nations of the Middle East and Africa also want to have the most technologically sophisticated and connected smart cities in the world. Roads, parking lots, housing, electricity grids, and government services will all be automated and connected because these infrastructures require improved bandwidths, lower latency, and more operational efficiency.

Breakdown of primaries

The study contains insights from various industry experts, from solution vendors to Tier 1 companies. The break-up of the primaries is as follows:

- By Company Type: Tier 1 - 62%, Tier 2 - 23%, and Tier 3 - 15%
- By Designation: C-level -38%, D-level - 30%, and Others - 32%
- By Region: North America - 40%, Europe - 35%, Asia Pacific - 15%, RoW - 10%.

The major players in the 5G security market Ericsson (Sweden), Palo Alto Networks (US), Cisco (US), Allot (Israel), Huawei (China), A10 Networks (US), Nokia (Finland), F5 Networks (US), Juniper Networks (US), Spirent (US), Fortinet (US), Mobileum (US), Trend Micro (US), ZTE (China), Akamai (US), Colt Technology (UK), CLAVISTER (Sweden), Radware (Israel), AT&T (US), Riscure (Netherlands), Avast (Czech Republic), G+D Mobile Security (Germany), Check Point (US), ForgeRock (US), Positive Technologies (UK), Cellwise (US), Banu Networks (US), Suavei (US), Cachengo (US), BroadForward (Netherlands), Trilogy (US), Movandi (US), DeepSig (US), EdgeQ (US), Alcan systems (Germany), Mixcomm (Colombia), and Microamp Solutions (Poland). These players have adopted various growth strategies, such as partnerships, agreements and collaborations, new product launches, enhancements, and acquisitions to expand their footprint in the 5G security market.

Research Coverage

The market study covers the 5G security market size across different segments. It aims at estimating the market size and the growth potential across different segments, including offerings (solutions and services), architecture, network security, end user, application, vertical, and region. The study includes an in-depth competitive analysis of the leading market players, their company profiles, key observations related to product and business offerings, recent developments, and market strategies.

Key Benefits of Buying the Report

The report will help the market leaders/new entrants with information on the closest approximations of the global 5G security market's revenue numbers and subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. Moreover, the report will provide insights for stakeholders to understand the market's pulse and provide them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (security concerns in 5G network, increasing IoT connections to pave the way for mMTC with enhanced security requirement, increasing ransomware attacks on IoT devices, and rising attacks on critical infrastructure), restraints (delay in standardization of spectrum allocation and expensive security solutions impacting budgets of SMEs), opportunities (increasing operator investment for dynamic infrastructure and demand for private 5G across enterprises, governments, and individual sectors), and challenges (uncertainties around ROI and other unprecedented challenges) influencing the growth of the 5G security market. Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and

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new product & service launches in the 5G security market. **Market Development:** Comprehensive information about lucrative markets - the report analyses the 5G security market across various regions. **Market Diversification:** Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the 5G security market. **Competitive Assessment:** In-depth assessment of market shares, growth strategies and service offerings of leading players Ericsson (Sweden), Palo Alto Networks (US), Cisco (US), Allot (Israel), Huawei (China), A10 Networks (US), Nokia (Finland), F5 Networks (US), Juniper Networks (US), Spirent (US), Fortinet (US), Mobileum (US), Trend Micro (US), ZTE (China), Akamai (US), Colt Technology (UK), CLAVISTER (Sweden), Radware (Israel), AT&T (US), Riscure (Netherlands), Avast (Czech Republic), G+D Mobile Security (Germany), Check Point (US), ForgeRock (US), Positive Technologies (UK), Cellwise (US), Banu Networks (US), Suavei (US), Cachengo (US), BroadForward (Netherlands), Trilogy (US), Movandi (US), DeepSig (US), EdgeQ (US), Alcan systems (Germany), Mixcomm (Colombia), and Microamp Solutions (Poland).

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