

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

<https://marketpublishers.com/r/552A5776C7EDEN.html>

Date: September 2023

Pages: 247

Price: US\$ 4,950.00 (Single User License)

ID: 552A5776C7EDEN

Abstracts

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 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 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).

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.2.1 INCLUSIONS AND EXCLUSIONS

1.3 STUDY SCOPE

1.3.1 MARKET SEGMENTATION

1.3.2 REGIONS COVERED

1.4 YEARS CONSIDERED

1.5 CURRENCY CONSIDERED

TABLE 1 USD EXCHANGE RATES, 2020–2022

1.6 STAKEHOLDERS

1.7 SUMMARY OF CHANGES

1.8 RECESSION IMPACT

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 1 RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.1.1 Key data from secondary sources

2.1.2 PRIMARY DATA

2.1.2.1 Breakup of primary profiles

FIGURE 2 BREAKUP OF PRIMARY INTERVIEWS: BY COMPANY TYPE, DESIGNATION, AND REGION

2.1.2.2 Key industry insights

2.2 MARKET BREAKUP AND DATA TRIANGULATION

FIGURE 3 DATA TRIANGULATION

2.3 MARKET SIZE ESTIMATION

FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY – APPROACH 1 (SUPPLY SIDE): REVENUE OF SOLUTIONS AND SERVICES OFFERED BY 5G SECURITY VENDORS

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY – APPROACH 1, BOTTOM-UP (SUPPLY SIDE): COLLECTIVE REVENUE OF SOLUTIONS AND SERVICES OFFERED BY 5G SECURITY VENDORS

FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY – APPROACH 2 (DEMAND SIDE)

2.4 MARKET FORECAST

TABLE 2 FACTOR ANALYSIS

2.5 RESEARCH ASSUMPTIONS

2.6 LIMITATIONS AND RISK ASSESSMENT

2.7 IMPACT OF RECESSION ON 5G SECURITY MARKET

FIGURE 7 5G SECURITY MARKET TO WITNESS SLIGHT DIP IN Y-O-Y IN 2023

3 EXECUTIVE SUMMARY

FIGURE 8 5G SECURITY MARKET, 2021–2028 (USD MILLION)

FIGURE 9 5G SECURITY MARKET, BY REGION, 2023

4 PREMIUM INSIGHTS

4.1 OPPORTUNITIES FOR PLAYERS IN 5G SECURITY MARKET

FIGURE 10 RISING DEMAND FOR CONNECTED DEVICES TO DRIVE ADOPTION OF 5G SECURITY SOLUTIONS AND SERVICES

4.2 5G SECURITY MARKET, BY OFFERING

FIGURE 11 SOLUTIONS SEGMENT TO ACCOUNT FOR LARGER SHARE IN 2023

4.3 5G SECURITY MARKET, BY ARCHITECTURE

FIGURE 12 5G NR NON-STANDALONE SEGMENT TO ACCOUNT FOR LARGER SHARE IN 2023

5 MARKET OVERVIEW AND INDUSTRY TRENDS

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 13 5G SECURITY MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

5.2.1 DRIVERS

5.2.1.1 Rising security concerns in 5G network

5.2.1.2 Increasing demand for IoT connections

5.2.1.3 Growing ransomware attacks on IoT devices

5.2.1.4 Rising threat to critical infrastructure

5.2.2 RESTRAINTS

5.2.2.1 Delay in standardization of spectrum allocation

5.2.2.2 Expensive security solutions

5.2.3 OPPORTUNITIES

5.2.3.1 Growth in operator investments for dynamic infrastructure

5.2.3.2 Demand for private 5G services across sectors and governments

5.2.4 CHALLENGES

5.2.4.1 Uncertainty around return on investment

5.3 INDUSTRY TRENDS

5.3.1 HISTORY OF 5G SECURITY TECHNOLOGY

5.3.1.1 Evolution of 5G security

5.3.2 VALUE CHAIN ANALYSIS

FIGURE 14 VALUE CHAIN ANALYSIS

5.3.2.1 Telecom equipment manufacturers

5.3.2.2 Technologies studied

5.3.2.2.1 5G radio

5.3.2.2.2 5G security

5.3.2.2.3 5G transport

5.3.2.2.4 NFV/SDN/Cloud

5.3.2.2.5 System integrators/Managed service providers

5.3.2.2.6 End users

5.3.3 ECOSYSTEM ANALYSIS

FIGURE 15 ECOSYSTEM MAP

TABLE 3 ROLE OF PLAYERS IN MARKET ECOSYSTEM

5.3.4 PATENT ANALYSIS

5.3.4.1 Innovation and patent applications

FIGURE 16 NUMBER OF PATENTS, 2013–2023

5.3.4.1.1 Top applicants

FIGURE 17 APPLICANTS WITH HIGH NUMBER OF PATENT APPLICATIONS, 2019–2023

5.3.5 PRICING ANALYSIS

5.3.6 PORTER'S FIVE FORCES MODEL ANALYSIS

TABLE 4 IMPACT OF PORTER'S FIVE FORCES ON 5G SECURITY MARKET

FIGURE 18 PORTER'S FIVE FORCES MODEL ANALYSIS

5.3.6.1 Threat of new entrants

5.3.6.2 Threat of substitutes

5.3.6.3 Bargaining power of buyers

5.3.6.4 Bargaining power of suppliers

5.3.6.5 Intensity of competitive rivalry

5.3.7 ETHICAL CONSIDERATIONS REGARDING 5G SECURITY

5.3.7.1 Biases and fairness

5.3.7.2 Privacy and security

5.3.7.3 Intellectual property

5.3.7.4 Accountability and responsibility

5.3.7.5 Societal and economic impact

5.3.8 TECHNOLOGY ANALYSIS

5.3.8.1 Technologies related to 5G security

5.3.8.1.1 Wi-Fi

5.3.8.1.2 WiMAX

5.3.8.1.3 Network Slicing in Radio Access Network

5.3.8.1.4 Network Slicing in Core Network

5.3.8.1.5 Network Slicing in Transport Network

5.3.8.1.6 Small Cell Networks

5.3.8.1.7 LTE Network

5.3.8.1.8 Citizens Broadband Radio Service (CBRS)

FIGURE 19 THREE-TIER MODEL FOR CBRS SPECTRUM ACCESS

5.3.8.1.9 MulteFire

5.3.9 CURRENT AND EMERGING BUSINESS MODELS

5.3.9.1 Subscription-based

5.3.9.2 Pay-per-use

5.3.9.3 Managed services

5.3.10 REGULATORY LANDSCAPE

5.3.10.1 Regulatory bodies, government agencies, and other organizations

TABLE 5 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 6 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 7 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 8 ROW: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.3.10.1.1 North America

5.3.10.1.2 Europe

5.3.10.1.3 Asia Pacific

5.3.10.1.4 Middle East & Africa

5.3.10.1.5 Latin America

5.3.11 KEY CONFERENCES & EVENTS

TABLE 9 LIST OF CONFERENCES & EVENTS, 2023–2024

5.3.12 CASE STUDY ANALYSIS

5.3.12.1 Use Case 1: Mobile service provider implemented A10 Networks' solutions to scale out security for massive 5G rollout

5.3.12.2 Use Case 2: City of Williamsburg implemented Palo Alto Networks' solutions to prevent cyber threats

5.3.12.3 Use Case 3: Ericsson helped Erillisverkot provide next-generation public safety networks

5.3.13 FUTURE OF 5G SECURITY MARKET

5.3.13.1 5G security technology roadmaps

5.3.13.1.1 Short-term roadmap (2023–2025)

5.3.13.1.2 Mid-term roadmap (2026–2028)

5.3.13.1.3 Long-term roadmap (2029–2030)

5.3.14 KEY STAKEHOLDERS AND BUYING CRITERIA

5.3.14.1 Key stakeholders in buying process

FIGURE 20 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE VERTICALS

TABLE 10 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE VERTICALS

5.3.14.2 Buying criteria

FIGURE 21 KEY BUYING CRITERIA FOR TOP THREE VERTICALS

TABLE 11 KEY BUYING CRITERIA FOR TOP THREE VERTICALS

5.3.15 TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES

FIGURE 22 TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES

6 5G SECURITY MARKET, BY OFFERING

6.1 INTRODUCTION

FIGURE 23 SERVICES SEGMENT TO EXHIBIT HIGHER GROWTH DURING FORECAST PERIOD

TABLE 12 5G SECURITY MARKET, BY COMPONENT, 2021–2028 (USD MILLION)

6.1.1 OFFERINGS: 5G SECURITY MARKET DRIVERS

6.2 SOLUTIONS

6.2.1 NEED TO SAFEGUARD CONFIDENTIALITY OF DATA TRANSMITTED OVER NETWORK TO DRIVE GROWTH

TABLE 13 SOLUTIONS: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)

6.3 SERVICES

6.3.1 REQUIREMENT OF 5G SECURITY SERVICES TO ENCOMPASS IDENTITY AND ACCESS MANAGEMENT TO BOOST MARKET

TABLE 14 SERVICES: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)

7 5G SECURITY MARKET, BY SOLUTION

7.1 INTRODUCTION

FIGURE 24 DDOS PROTECTION SEGMENT TO ACHIEVE HIGHEST GROWTH BY 2028

TABLE 15 5G SECURITY MARKET, BY SOLUTION, 2021–2028 (USD MILLION)

7.2 SOLUTIONS: 5G SECURITY MARKET DRIVERS

7.3 NEXT-GENERATION FIREWALL

7.3.1 FOCUS ON PERFORMANCE OF 5G NETWORKS TO DRIVE DEMAND FOR NEXT-GENERATION FIREWALL SOLUTIONS

TABLE 16 NEXT-GENERATION FIREWALL: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)

7.4 DATA LOSS PREVENTION

7.4.1 NEED TO MITIGATE RISK OF CYBERATTACKS AND DATA BREACHES TO PROPEL MARKET

TABLE 17 DLP: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)

7.5 ANTIVIRUS/ANTIMALWARE

7.5.1 GROWING CYBER THREATS TO DRIVE POPULARITY OF ANTIVIRUS/ANTIMALWARE SOLUTIONS

TABLE 18 ANTIVIRUS/ANTIMALWARE: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)

7.6 DISTRIBUTED DENIAL OF SERVICE PROTECTION

7.6.1 EFFORTS TO OVERCOME DDOS ATTACKS ON SYSTEMS LINKED TO INTERNET TO DRIVE MARKET

TABLE 19 DDOS PROTECTION: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)

7.7 SECURITY GATEWAY

7.7.1 INCREASE IN MALICIOUS TRAFFIC OVER NETWORKS TO BOOST GROWTH OF SECURITY GATEWAY

TABLE 20 SECURITY GATEWAY: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)

7.8 SANDBOXING

7.8.1 NEED TO CONTAIN SPREAD OF MALWARE TO DRIVE USE OF SANDBOXING SOLUTIONS

TABLE 21 SANDBOXING: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)

7.9 OTHER SOLUTIONS

TABLE 22 OTHER SOLUTIONS: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)

8 5G SECURITY MARKET, BY SERVICE

8.1 INTRODUCTION

8.2 SERVICES: 5G SECURITY MARKET DRIVERS

FIGURE 25 IMPLEMENTATION SEGMENT TO LEAD MARKET BY 2028

TABLE 23 5G SECURITY MARKET, BY SERVICE, 2021–2028 (USD MILLION)

8.3 CONSULTING

8.3.1 RAPID ADOPTION OF NETWORK SECURITY SOFTWARE

INFRASTRUCTURE TO DRIVE USE OF CONSULTING SERVICES

TABLE 24 CONSULTING: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)

8.4 IMPLEMENTATION

8.4.1 FOCUS ON BETTER NETWORK PERFORMANCE AND RELIABILITY TO DRIVE GROWTH OF IMPLEMENTATION SERVICES

TABLE 25 IMPLEMENTATION: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)

8.5 SUPPORT & MAINTENANCE

8.5.1 SUPPORT & MAINTENANCE SERVICE PROVIDERS TO HELP ENTERPRISES PROVIDE INSTALLATION, MAINTENANCE, AND OTHER SUPPORT ACTIVITIES

TABLE 26 SUPPORT & MAINTENANCE: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)

9 5G SECURITY MARKET, BY NETWORK COMPONENT SECURITY

9.1 INTRODUCTION

FIGURE 26 MOBILE CORE SECURITY SEGMENT TO DOMINATE MARKET DURING FORECAST PERIOD

TABLE 27 5G SECURITY MARKET, BY NETWORK COMPONENT SECURITY, 2021–2028 (USD MILLION)

9.1.1 NETWORK COMPONENT SECURITY: 5G SECURITY MARKET DRIVERS

9.2 RADIO ACCESS NETWORK SECURITY

9.2.1 GROWING NEED TO PROTECT ORGANIZATIONS' RAN FROM CYBERATTACKS TO DRIVE MARKET

TABLE 28 RADIO ACCESS NETWORK SECURITY: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)

9.3 MOBILE CORE SECURITY

9.3.1 FOCUS ON AUTHENTICATING AND AUTHORIZING USERS BEFORE THEY ACCESS NETWORK TO EMPHASIZE IMPORTANCE OF MOBILE CORE SECURITY SOLUTIONS

TABLE 29 MOBILE CORE SECURITY: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)

10 5G SECURITY MARKET, BY ARCHITECTURE

10.1 INTRODUCTION

FIGURE 27 5G NR STANDALONE SEGMENT TO ACCOUNT FOR LARGER SHARE BY 2028

TABLE 30 5G SECURITY MARKET, BY ARCHITECTURE, 2021–2028 (USD MILLION)

10.1.1 ARCHITECTURE: 5G SECURITY MARKET DRIVERS

10.2 5G NR STANDALONE

10.2.1 DEMAND FOR END-TO-END SUPPORT FOR 5G SERVICES TO PROPEL MARKET GROWTH

TABLE 31 5G NR STANDALONE: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)

10.3 5G NR NON-STANDALONE

10.3.1 NEED TO PROVIDE SERVICES AT LOW COST TO DRIVE DEMAND FOR 5G NR NON-STANDALONE SOLUTIONS

TABLE 32 5G NR NON-STANDALONE: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)

11 5G SECURITY MARKET, BY END USER

11.1 INTRODUCTION

FIGURE 28 ENTERPRISES SEGMENT TO ACHIEVE HIGHER GROWTH DURING FORECAST PERIOD

TABLE 33 5G SECURITY MARKET, BY END USER, 2021–2028 (USD MILLION)

11.1.1 END USERS: 5G SECURITY MARKET DRIVERS

11.2 TELECOM OPERATORS

11.2.1 RISING EMPHASIS ON SECURING NETWORKS AND IMPROVING CUSTOMER SERVICE TO DRIVE MARKET

TABLE 34 TELECOM OPERATORS: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)

11.3 ENTERPRISES

11.3.1 GROWING DEMAND FOR RELIABLE AND SECURE NETWORK PROVISIONING TO PROPEL ADOPTION OF 5G SECURITY SERVICES AMONG ENTERPRISES

TABLE 35 ENTERPRISES: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)

12 5G SECURITY MARKET, BY APPLICATION

12.1 INTRODUCTION

FIGURE 29 WIRELESS EHEALTH SEGMENT TO ACHIEVE HIGHEST GROWTH DURING FORECAST PERIOD

TABLE 36 5G SECURITY MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

12.1.1 APPLICATIONS: 5G SECURITY MARKET DRIVERS

12.2 VIRTUAL & AUGMENTED REALITY

12.2.1 NEED FOR LOW LATENCY AND HIGH BANDWIDTH FOR REAL-TIME COLLABORATION TO BOOST GROWTH

TABLE 37 VIRTUAL & AUGMENTED REALITY: 5G SECURITY MARKET, REGION, 2021–2028 (USD MILLION)

12.3 CONNECTED AUTOMOTIVE

12.3.1 INCREASING ROLE OF 5G SERVICES IN CONTROLLING VEHICLES DURING PRODUCTION PHASE TO DRIVE GROWTH

TABLE 38 CONNECTED AUTOMOTIVE: 5G SECURITY MARKET, REGION, 2021–2028 (USD MILLION)

12.4 SMART MANUFACTURING

12.4.1 NEED TO CONTROL CRITICAL PROCESSES IN MANUFACTURING SECTOR TO BOOST ADOPTION OF SMART MANUFACTURING SERVICES

TABLE 39 SMART MANUFACTURING: 5G SECURITY MARKET, REGION, 2021–2028 (USD MILLION)

12.5 WIRELESS EHEALTH

12.5.1 USE OF EHEALTHCARE SERVICES DUE TO GROWTH OF HEALTHCARE INDUSTRY TO DRIVE MARKET

TABLE 40 WIRELESS EHEALTH: 5G SECURITY MARKET, REGION, 2021–2028 (USD MILLION)

12.6 SMART CITIES

12.6.1 DEMAND FOR BETTER INFRASTRUCTURE MANAGEMENT AND IMPROVED LOCAL SERVICES TO DRIVE ADOPTION OF 5G SECURITY SERVICES

TABLE 41 SMART CITIES: 5G SECURITY MARKET, REGION, 2021–2028 (USD MILLION)

13 5G SECURITY MARKET, BY VERTICAL

13.1 INTRODUCTION

FIGURE 30 MEDIA & ENTERTAINMENT SEGMENT TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

TABLE 42 5G SECURITY MARKET, BY VERTICAL, 2021–2028 (USD MILLION)**13.1.1 VERTICALS: 5G SECURITY MARKET DRIVERS****13.2 MANUFACTURING****13.2.1 RELIANCE OF MANUFACTURING COMPANIES ON COMPLEX SOFTWARE SOLUTIONS TO DRIVE NEED FOR 5G SECURITY****TABLE 43 MANUFACTURING: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)****13.3 HEALTHCARE****13.3.1 GROWING DEMAND FOR BETTER EMERGENCY SERVICES TO PROPEL MARKET****TABLE 44 HEALTHCARE: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)****13.4 ENERGY & UTILITIES****13.4.1 FOCUS ON BETTERING OPERATION PERFORMANCE IN ENERGY & UTILITIES SECTOR TO ENCOURAGE USE OF 5G SECURITY SERVICES****TABLE 45 ENERGY & UTILITIES: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)****13.5 RETAIL****13.5.1 NEED FOR SUPERIOR CUSTOMER SERVICE TO AID EXPANSION OF RETAIL SECTOR TO DRIVE MARKET****TABLE 46 RETAIL: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)****13.6 AUTOMOTIVE & TRANSPORTATION****13.6.1 5G SECURITY SOLUTIONS TO HELP NETWORK ADMINISTRATORS MONITOR, ANALYZE, AND SECURE AUTOMOTIVE FACILITIES****TABLE 47 AUTOMOTIVE & TRANSPORTATION: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)****13.7 PUBLIC SAFETY****13.7.1 NEED TO ENHANCE WORKERS' PRODUCTIVITY AND IMPROVE WORKING OF PUBLIC SAFETY DEPARTMENTS TO DRIVE MARKET****TABLE 48 PUBLIC SAFETY: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)****13.8 MEDIA & ENTERTAINMENT****13.8.1 FOCUS ON REDUCING POOR WEB PERFORMANCE, SLOW FRAME RATES, AND UNWANTED WEBPAGE LAG TIMES TO ENCOURAGE MARKET EXPANSION****TABLE 49 MEDIA & ENTERTAINMENT: 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)****13.9 OTHER VERTICALS****TABLE 50 OTHER VERTICALS: 5G SECURITY MARKET, BY REGION, 2021–2028**

(USD MILLION)

14 5G SECURITY MARKET, BY REGION

14.1 INTRODUCTION

TABLE 51 5G SECURITY MARKET, BY REGION, 2021–2028 (USD MILLION)

14.2 NORTH AMERICA

14.2.1 NORTH AMERICA: RECESSION IMPACT

14.2.2 NORTH AMERICA: 5G SECURITY MARKET DRIVERS

FIGURE 31 NORTH AMERICA: MARKET SNAPSHOT

TABLE 52 NORTH AMERICA: 5G SECURITY MARKET, BY COMPONENT, 2021–2028 (USD MILLION)

TABLE 53 NORTH AMERICA: 5G SECURITY MARKET, BY SOLUTION, 2021–2028 (USD MILLION)

TABLE 54 NORTH AMERICA: 5G SECURITY MARKET, BY SERVICE, 2021–2028 (USD MILLION)

TABLE 55 NORTH AMERICA: 5G SECURITY MARKET, BY NETWORK COMPONENT SECURITY, 2021–2028 (USD MILLION)

TABLE 56 NORTH AMERICA: 5G SECURITY MARKET, BY ARCHITECTURE, 2021–2028 (USD MILLION)

TABLE 57 NORTH AMERICA: 5G SECURITY MARKET, BY END USER, 2021–2028 (USD MILLION)

TABLE 58 NORTH AMERICA: 5G SECURITY MARKET, BY VERTICAL, 2021–2028 (USD MILLION)

TABLE 59 NORTH AMERICA: 5G SECURITY MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 60 NORTH AMERICA: 5G SECURITY MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

14.2.3 US

14.2.3.1 Rapid growth in technology innovation and network infrastructure to drive market growth

TABLE 61 US: 5G SECURITY MARKET, BY COMPONENT, 2021–2028 (USD MILLION)

TABLE 62 US: 5G SECURITY MARKET, BY SOLUTION, 2021–2028 (USD MILLION)

TABLE 63 US: 5G SECURITY MARKET, BY SERVICE, 2021–2028 (USD MILLION)

TABLE 64 US: 5G SECURITY MARKET, BY NETWORK COMPONENT SECURITY, 2021–2028 (USD MILLION)

TABLE 65 US: 5G SECURITY MARKET, BY ARCHITECTURE, 2021–2028 (USD MILLION)

TABLE 66 US: 5G SECURITY MARKET, BY END USER, 2021–2028 (USD MILLION)

TABLE 67 US: 5G SECURITY MARKET, BY VERTICAL, 2021–2028 (USD MILLION)

TABLE 68 US: 5G SECURITY MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

14.2.4 CANADA

14.2.4.1 Public-private partnerships and increased government initiatives to drive market

TABLE 69 CANADA: 5G SECURITY MARKET, BY COMPONENT, 2021–2028 (USD MILLION)

TABLE 70 CANADA: 5G SECURITY MARKET, BY SOLUTION, 2021–2028 (USD MILLION)

TABLE 71 CANADA: 5G SECURITY MARKET, BY SERVICE, 2021–2028 (USD MILLION)

TABLE 72 CANADA: 5G SECURITY MARKET, BY NETWORK COMPONENT SECURITY, 2021–2028 (USD MILLION)

TABLE 73 CANADA: 5G SECURITY MARKET, BY ARCHITECTURE, 2021–2028 (USD MILLION)

TABLE 74 CANADA: 5G SECURITY MARKET, BY END USER, 2021–2028 (USD MILLION)

TABLE 75 CANADA: 5G SECURITY MARKET, BY VERTICAL, 2021–2028 (USD MILLION)

TABLE 76 CANADA: 5G SECURITY MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

14.3 EUROPE

14.3.1 EUROPE: RECESSION IMPACT

14.3.2 EUROPE: 5G SECURITY MARKET DRIVERS

TABLE 77 EUROPE: 5G SECURITY MARKET, BY COMPONENT, 2021–2028 (USD MILLION)

TABLE 78 EUROPE: 5G SECURITY MARKET, BY SOLUTION, 2021–2028 (USD MILLION)

TABLE 79 EUROPE: 5G SECURITY MARKET, BY SERVICE, 2021–2028 (USD MILLION)

TABLE 80 EUROPE: 5G SECURITY MARKET, BY NETWORK COMPONENT SECURITY, 2021–2028 (USD MILLION)

TABLE 81 EUROPE: 5G SECURITY MARKET, BY ARCHITECTURE, 2021–2028 (USD MILLION)

TABLE 82 EUROPE: 5G SECURITY MARKET, BY END USER, 2021–2028 (USD MILLION)

TABLE 83 EUROPE: 5G SECURITY MARKET, BY VERTICAL, 2021–2028 (USD

MILLION)

TABLE 84 EUROPE: 5G SECURITY MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 85 EUROPE: 5G SECURITY MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

14.3.3 UK

14.3.3.1 Increased investments and presence of major telecommunication vendors to boost growth

TABLE 86 UK: 5G SECURITY MARKET, BY COMPONENT, 2021–2028 (USD MILLION)

TABLE 87 UK: 5G SECURITY MARKET, BY SOLUTION, 2021–2028 (USD MILLION)

TABLE 88 UK: 5G SECURITY MARKET, BY SERVICE, 2021–2028 (USD MILLION)

TABLE 89 UK: 5G SECURITY MARKET, BY NETWORK COMPONENT SECURITY, 2021–2028 (USD MILLION)

TABLE 90 UK: 5G SECURITY MARKET, BY ARCHITECTURE, 2021–2028 (USD MILLION)

TABLE 91 UK: 5G SECURITY MARKET, BY END USER, 2021–2028 (USD MILLION)

TABLE 92 UK: 5G SECURITY MARKET, BY VERTICAL, 2021–2028 (USD MILLION)

TABLE 93 UK: 5G SECURITY MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

14.3.4 GERMANY

14.3.4.1 Need for stringent security across networks due to increase in cyberattacks to drive market

14.3.5 FRANCE

14.3.5.1 Demand for robust security measures to drive competitive market for innovative technologies to propel market expansion

14.3.6 REST OF EUROPE

14.4 ASIA PACIFIC

14.4.1 ASIA PACIFIC: RECESSION IMPACT

14.4.2 ASIA PACIFIC: 5G SECURITY MARKET DRIVERS

FIGURE 32 ASIA PACIFIC: MARKET SNAPSHOT

TABLE 94 ASIA PACIFIC: 5G SECURITY MARKET, BY COMPONENT, 2021–2028 (USD MILLION)

TABLE 95 ASIA PACIFIC: 5G SECURITY MARKET, BY SOLUTION, 2021–2028 (USD MILLION)

TABLE 96 ASIA PACIFIC: 5G SECURITY MARKET, BY SERVICE, 2021–2028 (USD MILLION)

TABLE 97 ASIA PACIFIC: 5G SECURITY MARKET, BY NETWORK COMPONENT SECURITY, 2021–2028 (USD MILLION)

TABLE 98 ASIA PACIFIC: 5G SECURITY MARKET, BY ARCHITECTURE, 2021–2028 (USD MILLION)

TABLE 99 ASIA PACIFIC: 5G SECURITY MARKET, BY END USER, 2021–2028 (USD MILLION)

TABLE 100 ASIA PACIFIC: 5G SECURITY MARKET, BY VERTICAL, 2021–2028 (USD MILLION)

TABLE 101 ASIA PACIFIC: 5G SECURITY MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 102 ASIA PACIFIC: 5G SECURITY MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

14.4.3 CHINA

14.4.3.1 Government initiatives and huge investments in network infrastructure to drive market

14.4.4 SOUTH KOREA

14.4.4.1 Rapid growth in technology innovations and need for faster communications to boost demand

14.4.5 JAPAN

14.4.5.1 Rapid expansion due to widespread 5G deployment to encourage growth

14.4.6 REST OF ASIA PACIFIC

14.5 MIDDLE EAST & AFRICA

14.5.1 MIDDLE EAST & AFRICA: RECESSION IMPACT

14.5.2 MIDDLE EAST & AFRICA: 5G SECURITY MARKET DRIVERS

TABLE 103 MIDDLE EAST & AFRICA: 5G SECURITY MARKET, BY COMPONENT, 2021–2028 (USD MILLION)

TABLE 104 MIDDLE EAST & AFRICA: 5G SECURITY MARKET, BY SOLUTION, 2021–2028 (USD MILLION)

TABLE 105 MIDDLE EAST & AFRICA: 5G SECURITY MARKET, BY SERVICE, 2021–2028 (USD MILLION)

TABLE 106 MIDDLE EAST & AFRICA: 5G SECURITY MARKET, BY NETWORK COMPONENT SECURITY, 2021–2028 (USD MILLION)

TABLE 107 MIDDLE EAST & AFRICA: 5G SECURITY MARKET, BY ARCHITECTURE, 2021–2028 (USD MILLION)

TABLE 108 MIDDLE EAST & AFRICA: 5G SECURITY MARKET, BY END USER, 2021–2028 (USD MILLION)

TABLE 109 MIDDLE EAST & AFRICA: 5G SECURITY MARKET, BY VERTICAL, 2021–2028 (USD MILLION)

TABLE 110 MIDDLE EAST & AFRICA: 5G SECURITY MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 111 MIDDLE EAST & AFRICA: 5G SECURITY MARKET, BY COUNTRY,

2021–2028 (USD MILLION)

14.5.3 UAE

14.5.3.1 Growing need to protect 5G network and users' security to drive adoption of 5G security services

14.5.4 KSA

14.5.4.1 Greater emphasis on resolving potential cybersecurity weaknesses to drive adoption of security measures

14.5.5 SOUTH AFRICA

14.5.5.1 Rapid rolling out of 5G infrastructure and rising emphasis on mitigating cybersecurity concerns to drive market

14.5.6 REST OF MIDDLE EAST & AFRICA

14.6 LATIN AMERICA

14.6.1 LATIN AMERICA: RECESSION IMPACT

14.6.2 LATIN AMERICA: 5G SECURITY MARKET DRIVERS

TABLE 112 LATIN AMERICA: 5G SECURITY MARKET, BY COMPONENT, 2021–2028 (USD MILLION)

TABLE 113 LATIN AMERICA: 5G SECURITY MARKET, BY SOLUTION, 2021–2028 (USD MILLION)

TABLE 114 LATIN AMERICA: 5G SECURITY MARKET, BY SERVICE, 2021–2028 (USD MILLION)

TABLE 115 LATIN AMERICA: 5G SECURITY MARKET, BY NETWORK COMPONENT SECURITY, 2021–2028 (USD MILLION)

TABLE 116 LATIN AMERICA: 5G SECURITY MARKET, BY ARCHITECTURE, 2021–2028 (USD MILLION)

TABLE 117 LATIN AMERICA: 5G SECURITY MARKET, BY END USER, 2021–2028 (USD MILLION)

TABLE 118 LATIN AMERICA: 5G SECURITY MARKET, BY VERTICAL, 2021–2028 (USD MILLION)

TABLE 119 LATIN AMERICA: 5G SECURITY MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 120 LATIN AMERICA: 5G SECURITY MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

14.6.3 BRAZIL

14.6.3.1 Increasing adoption of cloud computing and big data analytics to drive growth

14.6.4 MEXICO

14.6.4.1 Growing awareness regarding importance of cybersecurity among businesses and consumers to propel market

14.6.5 REST OF LATIN AMERICA

15 COMPETITIVE LANDSCAPE

15.1 INTRODUCTION

15.2 STRATEGIES ADOPTED BY KEY PLAYERS

TABLE 121 OVERVIEW OF STRATEGIES ADOPTED BY KEY PLAYERS

15.3 HISTORICAL REVENUE ANALYSIS

FIGURE 33 HISTORICAL REVENUE ANALYSIS FOR KEY PLAYERS, 2020–2022 (USD MILLION)

15.4 MARKET SHARE ANALYSIS FOR KEY PLAYERS

TABLE 122 INTENSITY OF COMPETITIVE RIVALRY

15.5 COMPANY EVALUATION MATRIX FOR KEY PLAYERS

FIGURE 34 COMPANY EVALUATION MATRIX FOR KEY PLAYERS: CRITERIA WEIGHTAGE

15.5.1 STARS

15.5.2 EMERGING LEADERS

15.5.3 PERVASIVE PLAYERS

15.5.4 PARTICIPANTS

FIGURE 35 COMPANY EVALUATION MATRIX FOR KEY PLAYERS, 2023

15.5.5 COMPANY FOOTPRINT

TABLE 123 OVERALL PRODUCT FOOTPRINT FOR KEY PLAYERS

15.6 COMPANY EVALUATION MATRIX FOR STARTUPS/SMES

15.6.1 PROGRESSIVE COMPANIES

15.6.2 RESPONSIVE COMPANIES

15.6.3 DYNAMIC COMPANIES

15.6.4 STARTING BLOCKS

FIGURE 36 COMPANY EVALUATION MATRIX FOR STARTUPS/SMES, 2023

15.6.5 COMPETITIVE BENCHMARKING

TABLE 124 LIST OF KEY STARTUPS/SMES

15.7 COMPETITIVE SCENARIO

15.7.1 PRODUCT LAUNCHES

TABLE 125 PRODUCT LAUNCHES, 2021

15.7.2 DEALS

TABLE 126 DEALS, 2021–2023

15.7.3 OTHERS

TABLE 127 OTHERS, 2021

16 COMPANY PROFILES

(Business overview, Products/Solutions/Services offered, Recent Developments, MNM view)*

16.1 KEY PLAYERS

16.1.1 ERICSSON

TABLE 128 ERICSSON: BUSINESS OVERVIEW

FIGURE 37 ERICSSON: COMPANY SNAPSHOT

TABLE 129 ERICSSON: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 130 ERICSSON: PRODUCT LAUNCHES

TABLE 131 ERICSSON: DEALS

TABLE 132 ERICSSON: OTHERS

16.1.2 PALO ALTO NETWORKS

TABLE 133 PALO ALTO NETWORKS: BUSINESS OVERVIEW

FIGURE 38 PALO ALTO NETWORKS: COMPANY SNAPSHOT

TABLE 134 PALO ALTO NETWORKS: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 135 PALO ALTO NETWORKS: PRODUCT LAUNCHES

TABLE 136 PALO ALTO NETWORKS: DEALS

16.1.3 CISCO

TABLE 137 CISCO: BUSINESS OVERVIEW

FIGURE 39 CISCO: COMPANY SNAPSHOT

TABLE 138 CISCO: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 139 CISCO: PRODUCT LAUNCHES

TABLE 140 CISCO: DEALS

16.1.4 ALLOT

TABLE 141 ALLOT: BUSINESS OVERVIEW

FIGURE 40 ALLOT: COMPANY SNAPSHOT

TABLE 142 ALLOT: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 143 ALLOT: PRODUCT LAUNCHES

TABLE 144 ALLOT: DEALS

16.1.5 HUAWEI

TABLE 145 HUAWEI: BUSINESS OVERVIEW

FIGURE 41 HUAWEI: COMPANY SNAPSHOT

TABLE 146 HUAWEI: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 147 HUAWEI: PRODUCT LAUNCHES

TABLE 148 HUAWEI: DEALS

16.1.6 A10 NETWORKS

TABLE 149 A10 NETWORKS: BUSINESS OVERVIEW

FIGURE 42 A10 NETWORKS: COMPANY SNAPSHOT

TABLE 150 A10 NETWORKS: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 151 A10 NETWORKS: PRODUCT LAUNCHES

16.1.7 NOKIA

TABLE 152 NOKIA: BUSINESS OVERVIEW

FIGURE 43 NOKIA: COMPANY SNAPSHOT

TABLE 153 NOKIA: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 154 NOKIA: PRODUCT LAUNCHES

TABLE 155 NOKIA: DEALS

TABLE 156 NOKIA: OTHERS

16.1.8 F5 NETWORKS

TABLE 157 F5 NETWORKS: BUSINESS OVERVIEW

FIGURE 44 F5 NETWORKS: COMPANY SNAPSHOT

TABLE 158 F5 NETWORKS: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 159 F5 NETWORKS: PRODUCT LAUNCHES

TABLE 160 F5 NETWORKS: DEALS

TABLE 161 F5 NETWORKS: OTHERS

16.1.9 JUNIPER NETWORKS

TABLE 162 JUNIPER NETWORKS: BUSINESS OVERVIEW

FIGURE 45 JUNIPER NETWORKS: COMPANY SNAPSHOT

TABLE 163 JUNIPER NETWORKS: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 164 JUNIPER NETWORKS: PRODUCT LAUNCHES

TABLE 165 JUNIPER NETWORKS: DEALS

16.1.10 SPIRENT

TABLE 166 SPIRENT: BUSINESS OVERVIEW

FIGURE 46 SPIRENT: COMPANY SNAPSHOT

TABLE 167 SPIRENT: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 168 SPIRENT: PRODUCT LAUNCHES

TABLE 169 SPIRENT: DEALS

16.1.11 FORTINET

16.1.12 MOBILEUM

16.1.13 TREND MICRO

16.1.14 ZTE

16.1.15 AKAMAI TECHNOLOGIES

16.1.16 COLT TECHNOLOGY SERVICES

16.1.17 CLAVISTER

16.1.18 RADWARE

16.1.19 AT&T

16.1.20 RISCURE

16.1.21 AVAST

16.1.22 G+D MOBILE SECURITY

16.1.23 CHECK POINT SOFTWARE TECHNOLOGIES

16.1.24 FORGEROCK

16.2 STARTUPS/SMES

16.2.1 POSITIVE TECHNOLOGIES

16.2.2 CELLWIZE

16.2.3 BENU NETWORKS

16.2.4 SUAVEI

16.2.5 CACHENGO

16.2.6 BROADFORWARD

16.2.7 TRILOGY

16.2.8 MOVANDI

16.2.9 DEEPSIG

16.2.10 EDGEQ

16.2.11 ALCAN SYSTEMS

16.2.12 MIXCOMM

16.2.13 MICROAMP SOLUTIONS

*Details on Business overview, Products/Solutions/Services offered, Recent Developments, MNM view might not be captured in case of unlisted companies.

17 ADJACENT AND RELATED MARKETS

17.1 INTRODUCTION

17.1.1 5G IOT MARKET – GLOBAL FORECAST TO 2027

17.1.1.1 Market definition

17.1.1.2 Market overview

17.1.1.3 5G IoT market, by component

TABLE 170 5G IOT MARKET, BY COMPONENT, 2020–2028 (USD MILLION)

17.1.1.4 5G IoT market, by network type

TABLE 171 5G IOT MARKET, BY NETWORK TYPE, 2020–2028 (USD MILLION)

17.1.1.5 5G IoT market, by organization size

TABLE 172 5G IOT MARKET, BY ORGANIZATION SIZE, 2020–2028 (USD MILLION)

17.1.1.6 5G IoT market, by type

TABLE 173 5G IOT MARKET, BY TYPE, 2020–2028 (USD MILLION)

17.1.1.7 5G IoT market, by region

TABLE 174 5G IOT MARKET, BY REGION, 2020–2028 (USD MILLION)

17.1.2 5G SERVICES MARKET – GLOBAL FORECAST TO 2027

17.1.2.1 Market definition

17.1.2.2 Market overview

17.1.2.3 5G services market, by end user

TABLE 175 5G SERVICES MARKET, BY END USER, 2020–2027 (USD BILLION)

17.1.2.4 5G services market, by communication type

TABLE 176 5G SERVICES MARKET, BY COMMUNICATION TYPE, 2020–2027 (USD BILLION)

17.1.2.5 5G services market, by enterprise

TABLE 177 5G SERVICES MARKET, BY ENTERPRISE, 2020–2027 (USD BILLION)

18 APPENDIX

18.1 DISCUSSION GUIDE

18.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

18.3 CUSTOMIZATION OPTIONS

18.4 RELATED REPORTS

18.5 AUTHOR DETAILS

I would like to order

Product name: 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

Product link: <https://marketpublishers.com/r/552A5776C7EDEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/552A5776C7EDEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970