

Private 5G Market by Component (Base Station, Radio Access Network, Core Network, Antennas, Software-Defined Network, Network Management, Network Security), Spectrum (Licensed, Shared), Services, Frequency Band, Deployment Mode - Global Forecast to 2028

<https://marketpublishers.com/r/PC995080C515EN.html>

Date: August 2023

Pages: 248

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

ID: PC995080C515EN

Abstracts

The global private 5G market is expected to be valued at USD 2.0 billion in 2023 and is projected to reach USD 11.8 billion by 2028; it is expected to grow at a CAGR of 42.3% from 2023 to 2028. The integration of IoT devices across industries necessitates a connectivity solution that can handle the demands of reliable, low-latency, and high-bandwidth communication. Private 5G networks provide the required infrastructure to support the proliferation of IoT devices on a large scale, enabling businesses to leverage the potential of IoT for improved operational efficiency, data-driven insights, and innovation.

“Software component segment to account for second highest CAGR of private 5G market”

Software components allow Private 5G networks to adapt quickly to changing requirements and conditions. This agility is essential for industries that need to rapidly deploy and reconfigure network services to accommodate varying demands and use cases. Software components play a vital role in implementing robust security measures within Private 5G networks. They enable features such as encryption, authentication, and access control, ensuring data privacy and network integrity. The growth of the software component in the Private 5G market is driven by its ability to provide customization, agility, innovation, security, and cost-efficiency.

“Manufacturing vertical to account for the second largest market share of private 5G market.”

The manufacturing sector is undergoing a significant transformation with Industry 4.0, which emphasizes automation, data exchange, and IoT integration. Private 5G networks provide the high-speed, low-latency connectivity required to implement these advanced technologies and optimize manufacturing processes. The growth of the Private 5G market in the manufacturing vertical is driven by the need for advanced connectivity solutions to support IoT integration, smart manufacturing, automation, and other transformative technologies. Private 5G networks enable manufacturers to optimize their operations, enhance product quality, and remain competitive in an increasingly digital and interconnected manufacturing landscape.

“Europe to have the second highest CAGR for private 5G market”

European industries and businesses are undergoing significant digital transformation efforts. Private 5G networks play a pivotal role in enabling this transformation by providing the connectivity needed to support advanced technologies like IoT, automation, and data analytics. Europe has a strong manufacturing base and is a leader in Industry 4.0 initiatives. Private 5G networks are essential for driving smart manufacturing, process optimization, and the integration of robotics and automation across various industrial sectors. The proliferation of IoT devices and the development of smart cities have fueled the demand for reliable and high-speed connectivity. Private 5G networks offer the necessary infrastructure to support these applications, enhancing efficiency, sustainability, and quality of life.

The study contains insights from various industry experts, ranging from component suppliers to Tier 1 companies and OEMs. The break-up of the primaries is as follows:

By Company Type: Tier 1 – 10%, Tier 2 – 55%, and Tier 3 – 35%

By Designation: C-level Executives – 45%, Directors – 25%, and Others – 30%

By Region: North America – 55%, Europe – 20%, Asia Pacific – 15%, RoW – 10%

The key players operating in the private 5G market are Huawei Technologies Co., Ltd.

(China), Telefonaktiebolaget LM Ericsson (Sweden), Nokia (Finland), Samsung Electronics Co., Ltd. (South Korea), ZTE Corporation (China).

The research report categorizes the Private 5G Market, By Component (Hardware, Software, Services), Spectrum (Licensed, Unlicensed/Shared), Frequency Band (Sub-6 GHz, mmWave), Organization Size (Small and Medium-Sized Businesses, Enterprises), Deployment Type (On-Premise, Cloud), Use Case (IoT, Sports Analytics, AR/VR, Smart Infrastructure, Others), Vertical (BFSI, Manufacturing, Energy & Utilities, Retail & E-commerce, Healthcare, Infrastructure, Transportation & Logistics, Aerospace & Defense, Media & Entertainment, IT & Telecommunication), and Region (North America, Europe, Asia Pacific, and RoW). The scope of the report covers detailed information regarding the major factors, such as drivers, restraints, challenges, and opportunities, influencing the growth of the private 5G market. A detailed analysis of the key industry players has been done to provide insights into their business overviews, products, key strategies; Contracts, partnerships, agreements. new product & service launches, mergers and acquisitions, and recent developments associated with the private 5G market. Competitive analysis of upcoming startups in the private 5G market ecosystem is covered in this report.

Research Coverage:

Key Benefits of Buying the Report

Analysis of key drivers (Emergence of Industry 4.0, Increasing demand for IoT (Internet of Things), Rising adoption of cloud computing, The increasing demand for security and privacy in enterprise networks), restraints (Lack of standardization, Limited availability of spectrum), opportunities (The increasing demand for high-performance applications, Remote monitoring and surveillance, 5G for enterprise connectivity), and challenges (High Initial Deployment Cost, Integration with legacy systems) influencing the growth of the private 5G market.

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the private 5G market

Market Development: Comprehensive information about lucrative markets – the report analyses the private 5G market across varied regions.

Market Diversification: Exhaustive information about new products, untapped

geographies, recent developments, and investments in the private 5G market

Competitive Assessment: In-depth assessment of market shares, growth strategies and service offerings of leading players like Huawei Technologies Co., Ltd. (China), Telefonaktiebolaget LM Ericsson (Sweden), Nokia (Finland), Samsung Electronics Co., Ltd. (South Korea), ZTE Corporation (China) among others in the private 5G market.

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.3 STUDY SCOPE

1.3.1 MARKETS COVERED

FIGURE 1 PRIVATE 5G MARKET: SEGMENTATION

1.3.2 GEOGRAPHICAL SCOPE

1.3.3 INCLUSIONS AND EXCLUSIONS

1.3.4 YEARS CONSIDERED

1.4 CURRENCY CONSIDERED

1.5 STAKEHOLDERS

1.6 RECESSION ANALYSIS

FIGURE 2 GDP GROWTH PROJECTION UNTIL 2023 FOR MAJOR ECONOMIES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 3 PRIVATE 5G MARKET: RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.1.1 Major secondary sources

2.1.1.2 Key data from secondary sources

2.1.2 PRIMARY DATA

2.1.2.1 Primary interviews with experts

2.1.2.2 Key data from primary sources

2.1.2.3 Key industry insights

2.1.2.4 Breakdown of primaries

2.1.3 SECONDARY AND PRIMARY RESEARCH

2.2 MARKET SIZE ESTIMATION

FIGURE 4 RESEARCH FLOW OF MARKET SIZE ESTIMATION

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY (SUPPLY SIDE):

REVENUE FROM SALES OF PRIVATE 5G PRODUCTS AND SOLUTIONS

2.2.1 BOTTOM-UP APPROACH

2.2.1.1 Approach to determine market share using bottom-up analysis

FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

2.2.2 TOP-DOWN APPROACH

2.2.2.1 Approach to determine market share using top-down analysis (supply side)

FIGURE 7 TOP-DOWN APPROACH

2.3 DATA TRIANGULATION

FIGURE 8 DATA TRIANGULATION

2.4 RESEARCH ASSUMPTIONS

2.5 RISK ASSESSMENT

TABLE 1 RISK FACTOR ANALYSIS

2.6 ASSUMPTIONS: RECESSION

TABLE 2 PARAMETERS CONSIDERED TO UNDERSTAND RECESSION IMPACT
ON PRIVATE 5G MARKET

2.7 STUDY LIMITATIONS

3 EXECUTIVE SUMMARY

3.1 GROWTH RATE ASSUMPTIONS/FORECAST

FIGURE 9 MMWAVE SEGMENT TO ACCOUNT FOR LARGER SHARE OF PRIVATE
5G MARKET DURING FORECAST PERIOD

FIGURE 10 LICENSED SEGMENT TO COMMAND LARGER SHARE OF PRIVATE 5G
MARKET DURING FORECAST PERIOD

FIGURE 11 MANUFACTURING SEGMENT TO REGISTER HIGHEST CAGR IN
PRIVATE 5G MARKET DURING FORECAST PERIOD

FIGURE 12 ASIA PACIFIC TO RECORD HIGHEST CAGR IN PRIVATE 5G MARKET
DURING FORECAST PERIOD

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN PRIVATE 5G MARKET

FIGURE 13 TECHNOLOGICAL ADVANCEMENTS AND INDUSTRY-SPECIFIC
NEEDS TO FAVOR MARKET GROWTH

4.2 NORTH AMERICA: PRIVATE 5G MARKET, BY COUNTRY AND FREQUENCY
BAND

FIGURE 14 US AND MMWAVE SEGMENTS TO HOLD LARGEST SHARE OF NORTH
AMERICAN PRIVATE 5G MARKET IN 2023

4.3 ASIA PACIFIC: PRIVATE 5G MARKET, BY COUNTRY

FIGURE 15 CHINA TO CAPTURE LARGEST SHARE OF PRIVATE 5G MARKET IN
ASIA PACIFIC DURING FORECAST PERIOD

4.4 PRIVATE 5G MARKET, BY COUNTRY

FIGURE 16 PRIVATE 5G MARKET IN CHINA TO EXHIBIT HIGHEST CAGR FROM
2023 TO 2028

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 17 PRIVATE 5G MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

5.2.1 DRIVERS

5.2.1.1 Emergence of Industry 4.0

5.2.1.2 Increasing demand for Internet of Things (IoT)

5.2.1.3 Rising adoption of cloud computing

5.2.1.4 Intensifying need for security and privacy in enterprise networks

FIGURE 18 IMPACT ANALYSIS OF DRIVERS ON PRIVATE 5G MARKET

5.2.2 RESTRAINTS

5.2.2.1 Lack of standardization guidelines

5.2.2.2 Limited availability of spectrum

FIGURE 19 IMPACT ANALYSIS OF RESTRAINTS ON PRIVATE 5G MARKET

5.2.3 OPPORTUNITIES

5.2.3.1 Increasing demand for high-performance applications

5.2.3.2 Growing adoption of private 5G networks for remote monitoring and surveillance

5.2.3.3 Increasing interest among enterprises to deploy private 5G networks

FIGURE 20 IMPACT ANALYSIS OF OPPORTUNITIES IN PRIVATE 5G MARKET

5.2.4 CHALLENGES

5.2.4.1 Need for substantial upfront investment

5.2.4.2 Integration with legacy systems

FIGURE 21 IMPACT ANALYSIS OF CHALLENGES ON PRIVATE 5G MARKET

5.3 VALUE CHAIN ANALYSIS

FIGURE 22 PRIVATE 5G MARKET: VALUE CHAIN ANALYSIS

5.4 ECOSYSTEM MAPPING

FIGURE 23 KEY PLAYERS IN PRIVATE 5G MARKET

TABLE 3 ROLE OF COMPANIES IN ECOSYSTEM

5.5 PORTER'S FIVE FORCES ANALYSIS

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

FIGURE 24 PRIVATE 5G MARKET: PORTER'S FIVE FORCES ANALYSIS

5.5.1 THREAT OF NEW ENTRANTS

5.5.2 THREAT OF SUBSTITUTES

5.5.3 BARGAINING POWER OF SUPPLIERS

5.5.4 BARGAINING POWER OF BUYERS

5.5.5 INTENSITY OF COMPETITION RIVALRY

5.6 KEY STAKEHOLDERS AND BUYING CRITERIA

5.6.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 25 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP 3 VERTICALS

TABLE 5 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP 3 VERTICALS

5.6.2 BUYING CRITERIA

FIGURE 26 KEY BUYING CRITERIA FOR TOP 3 VERTICALS

TABLE 6 KEY BUYING CRITERIA FOR TOP 3 VERTICALS

5.7 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS

FIGURE 27 REVENUE SHIFTS AND NEW REVENUE POCKETS FOR PLAYERS IN PRIVATE 5G MARKET

5.8 AVERAGE SELLING PRICE ANALYSIS

FIGURE 28 AVERAGE SELLING PRICE OF PRIVATE 5G HARDWARE, BY VERTICAL

FIGURE 29 AVERAGE SELLING PRICE TRENDS OF PRIVATE 5G HARDWARE COMPONENTS, 2020–2028

5.9 CASE STUDY ANALYSIS

TABLE 7 SIEMENS AND NOKIA COLLABORATED TO TEST SUITABILITY OF PRIVATE 5G NETWORKS FOR INDUSTRIAL AUTOMATION

TABLE 8 BOSCH AND ERICSSON COLLABORATED TO DEPLOY PRIVATE 5G NETWORK

TABLE 9 WALMART AND VERIZON COLLABORATED TO EXPLORE POTENTIAL OF PRIVATE 5G NETWORKS IN RETAIL

TABLE 10 HARBOUR AIR ENHANCED AVIATION OPERATIONS WITH PRIVATE 5G NETWORK

TABLE 11 LUFTHANSA TECHNIK PARTNERED WITH NOKIA TO DEPLOY PRIVATE 5G NETWORK AT ITS FACILITY

5.10 TECHNOLOGY ANALYSIS

5.10.1 KEY TECHNOLOGIES

5.10.1.1 Network slicing

5.10.1.2 Edge computing

5.10.1.3 Massive multiple-input multiple-output (MIMO)

5.10.1.4 mmWave

5.10.2 COMPLEMENTARY TECHNOLOGIES

5.10.2.1 Internet of Things (IoT)

5.10.2.2 Artificial intelligence (AI) and machine learning (ML)

5.10.2.3 Big data analytics

5.10.3 ADJACENT TECHNOLOGIES

- 5.10.3.1 Cloud computing
- 5.10.3.2 Robotics and automation
- 5.10.3.3 Cybersecurity solutions
- 5.10.3.4 Virtual reality (VR) and augmented reality (AR)

5.11 PATENT ANALYSIS

FIGURE 30 NUMBER OF PATENTS GRANTED IN PRIVATE 5G MARKET, 2012–2022

TABLE 12 LIST OF FEW PATENTS IN PRIVATE 5G MARKET, 2020–2022

5.12 TRADE ANALYSIS

TABLE 13 IMPORT DATA, BY COUNTRY, 2018–2022 (USD MILLION)

FIGURE 31 IMPORT DATA, BY COUNTRY, 2018–2022 (USD THOUSAND)

TABLE 14 EXPORT DATA, BY COUNTRY, 2018–2022 (USD THOUSAND)

FIGURE 32 EXPORT DATA, BY COUNTRY, 2018–2022 (USD THOUSAND)

5.13 TARIFF ANALYSIS

TABLE 15 MFN TARIFFS FOR PRODUCTS COVERED UNDER HS CODE 851769 EXPORTED BY US

TABLE 16 MFN TARIFFS FOR PRODUCTS COVERED UNDER HS CODE 851769 EXPORTED BY CHINA

TABLE 17 MFN TARIFF FOR PRODUCTS COVERED UNDER HS CODE 851769 EXPORTED BY JAPAN

5.14 STANDARDS AND REGULATORY LANDSCAPE

5.14.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 18 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 19 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 20 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 21 REST OF THE WORLD: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.14.2 STANDARDS AND REGULATIONS RELATED TO PRIVATE 5G MARKET

5.14.2.1 Regulations in Europe

5.14.2.1.1 General Data Protection Regulation

5.14.2.1.2 Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

5.14.2.2 Regulations in US

5.14.2.2.1 Gramm-Leach-Bliley Act

5.14.2.2.2 California Consumer Privacy Act

5.14.2.2.3 Anticybersquatting Consumer Protection Act

5.14.2.2.4 Fair Information Practice Principles

5.15 KEY CONFERENCES AND EVENTS, 2023–2024

TABLE 22 PRIVATE 5G MARKET: DETAILED LIST OF CONFERENCES AND EVENTS

6 USE CASES IN PRIVATE 5G MARKET

6.1 INTRODUCTION

6.2 INTERNET OF THINGS (IOT)

6.2.1 PRIVATE 5G NETWORKS PROVIDE HIGH-SPEED, LOW-LATENCY, AND RELIABLE CONNECTIVITY REQUIRED TO CONNECT IOT DEVICES

6.2.2 CASE STUDY: BOSCH AND NOKIA COLLABORATED TO ESTABLISH PRIVATE 5G NETWORK WITHIN BOSCH'S SMART FACTORY

6.3 SPORTS ANALYTICS

6.3.1 PRIVATE 5G DRIVES INNOVATION IN SPORTS-RELATED TECHNOLOGIES

6.3.2 XFINITY CENTRE ENHANCED OVERALL VIEWING EXPERIENCE WITH DEPLOYMENT OF PRIVATE 5G NETWORK

6.4 AUGMENTED REALITY (AR)/VIRTUAL REALITY (VR)

6.4.1 PRIVATE 5G ENABLES WIDE RANGE OF APPLICATIONS WITHIN AR/VR

6.4.2 CASE STUDY: KOREAN BROADCASTING SYSTEM (KBS) AND SK TELECOM DEPLOYED PRIVATE 5G NETWORK AT KBS SUWON CENTER

6.5 SMART INFRASTRUCTURE

6.5.1 PRIVATE 5G NETWORKS HELP COLLECT REAL-TIME DATA FROM SENSORS, DEVICES, AND EQUIPMENT EMBEDDED IN SMART INFRASTRUCTURE

6.5.2 CASE STUDY: BARCELONA IMPLEMENTED PRIVATE 5G NETWORK AS PART OF SMART CITY INITIATIVES

6.6 OTHERS

6.6.1 CASE STUDY: AGCO AND ERICSSON DEPLOYED PRIVATE 5G NETWORK ON BRAZILIAN FARM TO ENHANCE AGRICULTURE OPERATIONS

7 PRIVATE 5G MARKET, BY OFFERING

7.1 INTRODUCTION

FIGURE 33 HARDWARE SEGMENT TO ACCOUNT FOR LARGEST SHARE OF PRIVATE 5G MARKET DURING FORECAST PERIOD

TABLE 23 PRIVATE 5G MARKET, BY OFFERING, 2020–2022 (USD MILLION)

TABLE 24 PRIVATE 5G MARKET, BY OFFERING, 2023–2028 (USD MILLION)

7.2 HARDWARE

7.2.1 ESSENTIAL FOR ESTABLISHING AND MAINTAINING PRIVATE 5G NETWORKS

7.2.2 BASE STATIONS

7.2.3 ANTENNAS

7.2.4 RADIO ACCESS NETWORK (RAN)

7.2.5 CORE NETWORK

7.2.6 BACKHAUL & TRANSPORT

7.3 SOFTWARE

7.3.1 ENABLE WIDE RANGE OF APPLICATIONS ACROSS INDUSTRIES

7.3.2 SOFTWARE-DEFINED NETWORK (SDN)

7.3.3 NETWORK MANAGEMENT SOFTWARE

7.3.4 NETWORK SECURITY SOFTWARE

7.4 SERVICES

7.4.1 SUPPORT SPECIFIC OPERATIONAL AND STRATEGIC GOALS

7.4.2 INSTALLATION & INTEGRATION

7.4.3 SUPPORT & MAINTENANCE

8 PRIVATE 5G MARKET, BY SPECTRUM

8.1 INTRODUCTION

FIGURE 34 LICENSED SEGMENT TO ACCOUNT FOR LARGER SHARE OF PRIVATE 5G MARKET DURING FORECAST PERIOD

TABLE 25 PRIVATE 5G MARKET, BY SPECTRUM, 2020–2022 (USD MILLION)

TABLE 26 PRIVATE 5G MARKET, BY SPECTRUM, 2023–2028 (USD MILLION)

8.2 LICENSED

8.2.1 LICENSED SPECTRUM OFFERS HIGHER LEVEL OF SECURITY

TABLE 27 LICENSED: PRIVATE 5G MARKET, BY REGION, 2020–2022 (USD MILLION)

TABLE 28 LICENSED: PRIVATE 5G MARKET, BY REGION, 2023–2028 (USD MILLION)

8.3 UNLICENSED/SHARED

8.3.1 SHARED/UNLICENSED SPECTRUM PRESENTS COST-EFFICIENT OPTION FOR DEPLOYING PRIVATE 5G NETWORKS

TABLE 29 UNLICENSED/SHARED: PRIVATE 5G MARKET, BY REGION, 2020–2022 (USD MILLION)

TABLE 30 UNLICENSED/SHARED: PRIVATE 5G MARKET, BY REGION, 2023–2028 (USD MILLION)

9 PRIVATE 5G MARKET, BY FREQUENCY BAND

9.1 INTRODUCTION

FIGURE 35 MMWAVE SEGMENT TO EXHIBIT HIGHER CAGR IN PRIVATE 5G MARKET DURING FORECAST PERIOD

TABLE 31 PRIVATE 5G MARKET, BY FREQUENCY BAND, 2020–2022 (USD MILLION)

TABLE 32 PRIVATE 5G MARKET, BY FREQUENCY BAND, 2023–2028 (USD MILLION)

9.2 SUB-6 GHZ

9.2.1 ESSENTIAL FOR WIDESPREAD 5G COVERAGE AND IOT SUPPORT

TABLE 33 SUB-6 GHZ: PRIVATE 5G MARKET, BY REGION, 2020–2022 (USD MILLION)

TABLE 34 SUB-6 GHZ: PRIVATE 5G MARKET, BY REGION, 2023–2028 (USD MILLION)

9.3 MMWAVE

9.3.1 OFFERS INCREDIBLY HIGH DATA TRANSFER RATES

TABLE 35 MMWAVE: PRIVATE 5G MARKET, BY REGION, 2020–2022 (USD MILLION)

TABLE 36 MMWAVE: PRIVATE 5G MARKET, BY REGION, 2023–2028 (USD MILLION)

10 PRIVATE 5G MARKET, BY ORGANIZATION SIZE

10.1 INTRODUCTION

FIGURE 36 SMALL AND MEDIUM ENTERPRISES (SMES) SEGMENT TO EXHIBIT HIGHER CAGR IN PRIVATE 5G MARKET DURING FORECAST PERIOD

TABLE 37 PRIVATE 5G MARKET, BY ORGANIZATION SIZE, 2020–2022 (USD MILLION)

TABLE 38 PRIVATE 5G MARKET, BY ORGANIZATION SIZE, 2023–2028 (USD MILLION)

10.2 SMALL AND MEDIUM ENTERPRISES (SMES)

10.2.1 NEED TO REDUCE CAPEX IN NETWORK INFRASTRUCTURE TO PROMPT SMES TO ADOPT PRIVATE 5G

TABLE 39 SMALL AND MEDIUM ENTERPRISES: PRIVATE 5G MARKET, BY REGION, 2020–2022 (USD MILLION)

TABLE 40 SMALL AND MEDIUM ENTERPRISES: PRIVATE 5G MARKET, BY REGION, 2023–2028 (USD MILLION)

10.3 LARGE ENTERPRISES

10.3.1 NEED TO MANAGE EXTENSIVE NETWORK INFRASTRUCTURES TO FUEL

ADOPTION OF PRIVATE 5G AMONG LARGE ENTERPRISES

TABLE 41 LARGE ENTERPRISES: PRIVATE 5G MARKET, BY REGION, 2020–2022 (USD MILLION)

TABLE 42 LARGE ENTERPRISES: PRIVATE 5G MARKET, BY REGION, 2023–2028 (USD MILLION)

11 PRIVATE 5G MARKET, BY DEPLOYMENT TYPE

11.1 INTRODUCTION

FIGURE 37 CLOUD-BASED SEGMENT TO DOMINATE PRIVATE 5G MARKET DURING FORECAST PERIOD

TABLE 43 PRIVATE 5G MARKET, BY DEPLOYMENT TYPE, 2020–2022 (USD MILLION)

TABLE 44 PRIVATE 5G MARKET, BY DEPLOYMENT TYPE, 2023–2028 (USD MILLION)

11.2 ON-PREMISES

11.2.1 SUITABLE FOR INDUSTRIES WITH SENSITIVE DATA OR CRITICAL OPERATIONS

TABLE 45 ON-PREMISES: PRIVATE 5G MARKET, BY REGION, 2020–2022 (USD MILLION)

TABLE 46 ON-PREMISES: PRIVATE 5G MARKET, BY REGION, 2023–2028 (USD MILLION)

11.3 CLOUD-BASED

11.3.1 IDEAL FOR BUSINESSES WITH DYNAMIC AND EVOLVING NETWORKING REQUIREMENTS

TABLE 47 CLOUD-BASED: PRIVATE 5G MARKET, BY REGION, 2020–2022 (USD MILLION)

TABLE 48 CLOUD-BASED: PRIVATE 5G MARKET, BY REGION, 2023–2028 (USD MILLION)

12 PRIVATE 5G MARKET, BY VERTICAL

12.1 INTRODUCTION

FIGURE 38 IT & TELECOMMUNICATIONS SEGMENT TO RECORD HIGHEST CAGR IN PRIVATE 5G MARKET DURING 2023–2028

TABLE 49 PRIVATE 5G MARKET, BY VERTICAL, 2020–2022 (USD MILLION)

TABLE 50 PRIVATE 5G MARKET, BY VERTICAL, 2023–2028 (USD MILLION)

12.2 BANKING, FINANCIAL SERVICES AND INSURANCE (BFSI)

12.2.1 NEED TO ENHANCE SECURITY, OPTIMIZE OPERATIONS, AND IMPROVE

CUSTOMER SERVICE TO BOOST ADOPTION OF PRIVATE 5G IN BFSI

12.2.2 CASE STUDY: WELLS FARGO PARTNERED WITH VERIZON BUSINESS TO EXPLORE POTENTIAL OF PRIVATE 5G NETWORKS

TABLE 51 BFSI: PRIVATE 5G MARKET, BY REGION, 2020–2022 (USD MILLION)

TABLE 52 BFSI: PRIVATE 5G MARKET, BY REGION, 2023–2028 (USD MILLION)

12.3 MANUFACTURING

12.3.1 ADOPTION OF INDUSTRIAL AUTOMATION TO FUEL DEMAND FOR PRIVATE 5G

12.3.2 CASE STUDY: ERICSSON AND AUDI AG COLLABORATED OVER PRIVATE 5G

TABLE 53 MANUFACTURING: PRIVATE 5G MARKET, BY REGION, 2020–2022 (USD MILLION)

TABLE 54 MANUFACTURING: PRIVATE 5G MARKET, BY REGION, 2023–2028 (USD MILLION)

12.4 ENERGY & UTILITIES

12.4.1 DIGITIZATION OF SEVERAL UTILITY-DRIVEN FIELDWORKS TO BOOST DEPLOYMENT OF PRIVATE 5G NETWORKS

12.4.2 CASE STUDY: SHELL DEPLOYED PRIVATE 5G NETWORK AT RHEINLAND REFINERY IN GERMANY

TABLE 55 ENERGY & UTILITIES: PRIVATE 5G MARKET, BY REGION, 2020–2022 (USD MILLION)

TABLE 56 ENERGY & UTILITIES: PRIVATE 5G MARKET, BY REGION, 2023–2028 (USD MILLION)

12.5 RETAIL & E-COMMERCE

12.5.1 FOCUS ON AUTOMATING WAREHOUSE MANAGEMENT AND RELATED SERVICES IN RETAIL TO FUEL ADOPTION OF PRIVATE 5G

12.5.2 CASE STUDY: BRUNET DEPLOYED PRIVATE 5G NETWORK AT ITS PHARMACY IN MONTREAL, CANADA

TABLE 57 RETAIL & E-COMMERCE: PRIVATE 5G MARKET, BY REGION, 2020–2022 (USD MILLION)

TABLE 58 RETAIL & E-COMMERCE: PRIVATE 5G MARKET, BY REGION, 2023–2028 (USD MILLION)

12.6 HEALTHCARE

12.6.1 INVESTMENTS IN PRIVATE 5G BY HEALTHCARE GIANTS TO BRING ADVANCED TECHNOLOGY TO RURAL AREAS TO DRIVE MARKET

12.6.2 CASE STUDY: MAYO CLINIC AND AT&T COLLABORATED TO EXPLORE USE OF PRIVATE 5G IN HEALTHCARE

TABLE 59 HEALTHCARE: PRIVATE 5G MARKET, BY REGION, 2020–2022 (USD MILLION)

TABLE 60 HEALTHCARE: PRIVATE 5G MARKET, BY REGION, 2023–2028 (USD MILLION)

12.7 INFRASTRUCTURE

12.7.1 NEED FOR FAST AND ROBUST SURVEILLANCE SYSTEMS TO DRIVE ADOPTION OF PRIVATE 5G

12.7.2 CASE STUDY: RWTH AACHEN UNIVERSITY DEPLOYED PRIVATE 5G IN CAMPUS

TABLE 61 INFRASTRUCTURE: PRIVATE 5G MARKET, BY REGION, 2020–2022 (USD MILLION)

TABLE 62 INFRASTRUCTURE: PRIVATE 5G MARKET, BY REGION, 2023–2028 (USD MILLION)

12.8 TRANSPORTATION & LOGISTICS

12.8.1 NEED FOR REAL-TIME TRACKING, MONITORING, MANAGEMENT OF SHIPMENTS TO DRIVE DEMAND FOR PRIVATE 5G

12.8.2 CASE STUDY: UPS ENHANCED PACKAGE SORTING AND DELIVERY OPERATIONS WITH PRIVATE 5G

TABLE 63 TRANSPORTATION & LOGISTICS: PRIVATE 5G MARKET, BY REGION, 2020–2022 (USD MILLION)

TABLE 64 TRANSPORTATION & LOGISTICS: PRIVATE 5G MARKET, BY REGION, 2023–2028 (USD MILLION)

12.9 AEROSPACE & DEFENSE

12.9.1 DEPLOYMENT OF PRIVATE 5G NETWORKS AT MULTIPLE INTERNATIONAL AND DOMESTIC AIRPORTS GLOBALLY TO DRIVE MARKET

12.9.2 CASE STUDY: BAE SYSTEMS AND O2 (TELEFONICA UK) COLLABORATED TO DEPLOY PRIVATE 5G IN DEFENSE MANUFACTURING ENVIRONMENT

TABLE 65 AEROSPACE & DEFENSE: PRIVATE 5G MARKET, BY REGION, 2020–2022 (USD MILLION)

TABLE 66 AEROSPACE & DEFENSE: PRIVATE 5G MARKET, BY REGION, 2023–2028 (USD MILLION)

12.10 MEDIA & ENTERTAINMENT

12.10.1 ADOPTION OF PRIVATE 5G BY OTT PLATFORMS TO ENABLE UNINTERRUPTED STREAMING OF HIGH-QUALITY CONTENT TO DRIVE MARKET

12.10.2 CASE STUDY: NEW YORK'S METLIFE STADIUM DEPLOYED PRIVATE 5G TO ENHANCE FAN EXPERIENCES DURING LIVE EVENTS

TABLE 67 MEDIA & ENTERTAINMENT: PRIVATE 5G MARKET, BY REGION, 2020–2022 (USD MILLION)

TABLE 68 MEDIA & ENTERTAINMENT: PRIVATE 5G MARKET, BY REGION, 2023–2028 (USD MILLION)

12.11 IT & TELECOMMUNICATIONS

12.11.1 FOCUS ON DEVELOPMENT OF ULTRA-SMART OFFICE BUILDINGS TO CREATE DEMAND FOR PRIVATE 5G

12.11.2 CASE STUDY: NOKIA AND SANDVIK COLLABORATED TO DEPLOY PRIVATE 5G TO ENHANCE COMMUNICATION

TABLE 69 IT & TELECOMMUNICATIONS: PRIVATE 5G MARKET, BY REGION, 2020–2022 (USD MILLION)

TABLE 70 IT & TELECOMMUNICATIONS: PRIVATE 5G MARKET, BY REGION, 2023–2028 (USD MILLION)

13 PRIVATE 5G MARKET, BY REGION

13.1 INTRODUCTION

FIGURE 39 PRIVATE 5G MARKET TO REGISTER HIGHEST CAGR IN ASIA PACIFIC DURING FORECAST PERIOD

TABLE 71 PRIVATE 5G MARKET, BY REGION, 2020–2022 (USD MILLION)

TABLE 72 PRIVATE 5G MARKET, BY REGION, 2023–2028 (USD MILLION)

13.2 NORTH AMERICA

FIGURE 40 NORTH AMERICA: PRIVATE 5G MARKET SNAPSHOT

13.2.1 NORTH AMERICA: RECESSION IMPACT

TABLE 73 NORTH AMERICA: PRIVATE 5G MARKET, BY COUNTRY, 2020–2022 (USD MILLION)

TABLE 74 NORTH AMERICA: PRIVATE 5G MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 75 NORTH AMERICA: PRIVATE 5G MARKET, BY FREQUENCY BAND, 2020–2022 (USD MILLION)

TABLE 76 NORTH AMERICA: PRIVATE 5G MARKET, BY FREQUENCY BAND, 2023–2028 (USD MILLION)

TABLE 77 NORTH AMERICA: PRIVATE 5G MARKET, BY ORGANIZATION SIZE, 2020–2022 (USD MILLION)

TABLE 78 NORTH AMERICA: PRIVATE 5G MARKET, BY ORGANIZATION SIZE, 2023–2028 (USD MILLION)

TABLE 79 NORTH AMERICA: PRIVATE 5G MARKET, BY SPECTRUM, 2020–2022 (USD MILLION)

TABLE 80 NORTH AMERICA: PRIVATE 5G MARKET, BY SPECTRUM, 2023–2028 (USD MILLION)

TABLE 81 NORTH AMERICA: PRIVATE 5G MARKET, BY DEPLOYMENT TYPE, 2020–2022 (USD MILLION)

TABLE 82 NORTH AMERICA: PRIVATE 5G MARKET, BY DEPLOYMENT TYPE, 2023–2028 (USD MILLION)

TABLE 83 NORTH AMERICA: PRIVATE 5G MARKET, BY VERTICAL, 2020–2022 (USD MILLION)

TABLE 84 NORTH AMERICA: PRIVATE 5G MARKET, BY VERTICAL, 2023–2028 (USD MILLION)

13.2.2 US

13.2.2.1 Growing government initiatives and investments in 5G technology to drive market

13.2.2.2 Case study: Ford and Dell Technologies collaborated to deploy private 5G network to enhance manufacturing efficiency

13.2.3 CANADA

13.2.3.1 Implementation of private 5G networks across various sectors to augment market growth

13.2.3.2 Case study: Port of Montreal and Ericsson partnered to deploy private 5G network for testing and research purposes

13.2.4 MEXICO

13.2.4.1 Increasing demand for advanced wireless infrastructure to foster market growth

13.2.4.2 Case study: Deployment of private 5G network at manufacturing facility helped Ternium enhance operational efficiency

13.3 EUROPE

FIGURE 41 EUROPE: PRIVATE 5G MARKET SNAPSHOT

13.3.1 EUROPE: RECESSION IMPACT

TABLE 85 EUROPE: PRIVATE 5G MARKET, BY COUNTRY, 2020–2022 (USD MILLION)

TABLE 86 EUROPE: PRIVATE 5G MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 87 EUROPE: PRIVATE 5G MARKET, BY FREQUENCY BAND, 2020–2022 (USD MILLION)

TABLE 88 EUROPE: PRIVATE 5G MARKET, BY FREQUENCY BAND, 2023–2028 (USD MILLION)

TABLE 89 EUROPE: PRIVATE 5G MARKET, BY ORGANIZATION SIZE, 2020–2022 (USD MILLION)

TABLE 90 EUROPE: PRIVATE 5G MARKET, BY ORGANIZATION SIZE, 2023–2028 (USD MILLION)

TABLE 91 EUROPE: PRIVATE 5G MARKET, BY SPECTRUM, 2020–2022 (USD MILLION)

TABLE 92 EUROPE: PRIVATE 5G MARKET, BY SPECTRUM, 2023–2028 (USD MILLION)

TABLE 93 EUROPE: PRIVATE 5G MARKET, BY DEPLOYMENT TYPE, 2020–2022

(USD MILLION)

TABLE 94 EUROPE: PRIVATE 5G MARKET, BY DEPLOYMENT TYPE, 2023–2028

(USD MILLION)

TABLE 95 EUROPE: PRIVATE 5G MARKET, BY VERTICAL, 2020–2022 (USD MILLION)

TABLE 96 EUROPE: PRIVATE 5G MARKET, BY VERTICAL, 2023–2028 (USD MILLION)

13.3.2 UK

13.3.2.1 Increasing demand for secure and reliable connectivity for businesses to drive adoption of private 5G networks

13.3.2.2 Case study: Deployment of private 5G network enabled advanced applications at British Steel's manufacturing facility

13.3.3 GERMANY

13.3.3.1 Wide applications of private 5G in manufacturing to create conducive environment for market growth

13.3.3.2 Case study: Siemens collaborated with Deutsche Telekom to deploy private 5G network at its manufacturing facilities

13.3.4 FRANCE

13.3.4.1 Increasing investments in telecom infrastructure to foster market growth

13.3.4.2 Case study: Schneider Electric collaborated with Orange Business Services to deploy private 5G network at its manufacturing facilities

13.3.5 REST OF EUROPE

13.4 ASIA PACIFIC

FIGURE 42 ASIA PACIFIC: PRIVATE 5G MARKET SNAPSHOT

13.4.1 ASIA PACIFIC: RECESSION IMPACT

TABLE 97 ASIA PACIFIC: PRIVATE 5G MARKET, BY COUNTRY, 2020–2022 (USD MILLION)

TABLE 98 ASIA PACIFIC: PRIVATE 5G MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 99 ASIA PACIFIC: PRIVATE 5G MARKET, BY FREQUENCY BAND, 2020–2022 (USD MILLION)

TABLE 100 ASIA PACIFIC: PRIVATE 5G MARKET, BY FREQUENCY BAND, 2023–2028 (USD MILLION)

TABLE 101 ASIA PACIFIC: PRIVATE 5G MARKET, BY ORGANIZATION SIZE, 2020–2022 (USD MILLION)

TABLE 102 ASIA PACIFIC: PRIVATE 5G MARKET, BY ORGANIZATION SIZE, 2023–2028 (USD MILLION)

TABLE 103 ASIA PACIFIC: PRIVATE 5G MARKET, BY SPECTRUM, 2020–2022 (USD MILLION)

TABLE 104 ASIA PACIFIC: PRIVATE 5G MARKET, BY SPECTRUM, 2023–2028 (USD MILLION)

TABLE 105 ASIA PACIFIC: PRIVATE 5G MARKET, BY DEPLOYMENT TYPE, 2020–2022 (USD MILLION)

TABLE 106 ASIA PACIFIC: PRIVATE 5G MARKET, BY DEPLOYMENT TYPE, 2023–2028 (USD MILLION)

TABLE 107 ASIA PACIFIC: PRIVATE 5G MARKET, BY VERTICAL, 2020–2022 (USD MILLION)

TABLE 108 ASIA PACIFIC: PRIVATE 5G MARKET, BY VERTICAL, 2023–2028 (USD MILLION)

13.4.2 CHINA

13.4.2.1 Growing gaming and AR/VR industries to support market growth

13.4.2.2 Case study: BMW Brilliance Automotive deployed private 5G network at manufacturing facility in Shenyang

13.4.3 JAPAN

13.4.3.1 Increasing investments in 5G infrastructure development to augment market growth

13.4.3.2 Case study: KDDI helped Toyota deploy private 5G network at manufacturing facility

13.4.4 SOUTH KOREA

13.4.4.1 Investments in Korean content by streaming giants to create demand for private 5G networks

13.4.4.2 Case study: SAMSUNG deployed private 5G network for advanced manufacturing and Industry 4.0 exploration

13.4.5 REST OF ASIA PACIFIC

13.5 REST OF THE WORLD (ROW)

13.5.1 ROW: RECESSION IMPACT

TABLE 109 REST OF THE WORLD: PRIVATE 5G MARKET, BY REGION, 2020–2022 (USD MILLION)

TABLE 110 REST OF THE WORLD: PRIVATE 5G MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 111 REST OF THE WORLD: PRIVATE 5G MARKET, BY FREQUENCY BAND, 2020–2022 (USD MILLION)

TABLE 112 REST OF THE WORLD: PRIVATE 5G MARKET, BY FREQUENCY BAND, 2023–2028 (USD MILLION)

TABLE 113 REST OF THE WORLD: PRIVATE 5G MARKET, BY ORGANIZATION SIZE, 2020–2022 (USD MILLION)

TABLE 114 REST OF THE WORLD: PRIVATE 5G MARKET, BY ORGANIZATION SIZE, 2023–2028 (USD MILLION)

TABLE 115 REST OF THE WORLD: PRIVATE 5G MARKET, BY SPECTRUM, 2020–2022 (USD MILLION)

TABLE 116 REST OF THE WORLD: PRIVATE 5G MARKET, BY SPECTRUM, 2023–2028 (USD MILLION)

TABLE 117 REST OF THE WORLD: PRIVATE 5G MARKET, BY DEPLOYMENT TYPE, 2020–2022 (USD MILLION)

TABLE 118 REST OF THE WORLD: PRIVATE 5G MARKET, BY DEPLOYMENT TYPE, 2023–2028 (USD MILLION)

TABLE 119 REST OF THE WORLD: PRIVATE 5G MARKET, BY VERTICAL, 2020–2022 (USD MILLION)

TABLE 120 REST OF THE WORLD: PRIVATE 5G MARKET, BY VERTICAL, 2023–2028 (USD MILLION)

13.5.2 MIDDLE EAST & AFRICA

13.5.2.1 Increase in mobile subscriber base to favor market growth

13.5.3 SOUTH AMERICA

13.5.3.1 Formulation of new telecom policies to drive market

14 COMPETITIVE LANDSCAPE

14.1 INTRODUCTION

14.2 STRATEGIES ADOPTED BY KEY PLAYERS

TABLE 121 OVERVIEW OF STRATEGIES ADOPTED BY KEY PLAYERS IN PRIVATE 5G MARKET

14.3 MARKET SHARE ANALYSIS, 2022

FIGURE 43 MARKET SHARE OF MAJOR PLAYERS, 2022

TABLE 122 PRIVATE 5G MARKET: MARKET SHARE ANALYSIS (2022)

14.3.1 KEY PLAYERS IN PRIVATE 5G MARKET, 2022

14.4 REVENUE ANALYSIS OF KEY PLAYERS IN PRIVATE 5G MARKET

FIGURE 44 3-YEAR REVENUE ANALYSIS OF KEY PLAYERS IN PRIVATE 5G MARKET

14.5 COMPANY EVALUATION MATRIX

14.5.1 STARS

14.5.2 EMERGING LEADERS

14.5.3 PERVASIVE PLAYERS

14.5.4 PARTICIPANTS

FIGURE 45 PRIVATE 5G MARKET (GLOBAL): COMPANY EVALUATION MATRIX, 2022

14.6 STARTUPS/SMALL AND MEDIUM-SIZED ENTERPRISES (SMES) EVALUATION MATRIX, 2022

14.6.1 PROGRESSIVE COMPANIES

14.6.2 RESPONSIVE COMPANIES

14.6.3 DYNAMIC COMPANIES

14.6.4 STARTING BLOCKS

FIGURE 46 PRIVATE 5G MARKET: STARTUPS/SMES EVALUATION MATRIX, 2022

14.7 COMPANY FOOTPRINT ANALYSIS

TABLE 123 COMPANY OVERALL FOOTPRINT

TABLE 124 COMPANY OFFERING FOOTPRINT

TABLE 125 COMPANY SPECTRUM FOOTPRINT

TABLE 126 COMPANY FREQUENCY BAND FOOTPRINT

TABLE 127 COMPANY ORGANIZATION FOOTPRINT

TABLE 128 COMPANY DEPLOYMENT TYPE FOOTPRINT

TABLE 129 COMPANY VERTICAL FOOTPRINT

TABLE 130 COMPANY REGION FOOTPRINT

TABLE 131 STARTUPS/SMES MATRIX: DETAILED LIST OF KEY STARTUPS

14.8 STARTUPS FOOTPRINT ANALYSIS

TABLE 132 STARTUPS OVERALL FOOTPRINT

TABLE 133 STARTUPS OFFERING FOOTPRINT

TABLE 134 STARTUPS SPECTRUM FOOTPRINT

TABLE 135 STARTUPS FREQUENCY BAND FOOTPRINT

TABLE 136 STARTUPS ORGANIZATION SIZE FOOTPRINT

TABLE 137 STARTUPS DEPLOYMENT TYPE FOOTPRINT

TABLE 138 STARTUPS VERTICAL FOOTPRINT

TABLE 139 STARTUPS REGION FOOTPRINT

14.9 COMPETITIVE SCENARIOS AND TRENDS

TABLE 140 PRIVATE 5G MARKET: TOP PRODUCT LAUNCHES, OCTOBER 2020 TO JUNE 2023

TABLE 141 PRIVATE 5G MARKET: TOP DEALS AND OTHER DEVELOPMENTS, JUNE 2020 TO JULY 2023

15 COMPANY PROFILES

(Business Overview, Products/Solutions/Services Offered, Recent Developments, MnM view (Key strengths/Right to win, Strategic choices made, Weakness/competitive threats)*

15.1 KEY PLAYERS

15.1.1 HUAWEI TECHNOLOGIES CO., LTD.

TABLE 142 HUAWEI TECHNOLOGIES CO., LTD.: COMPANY OVERVIEW

FIGURE 47 HUAWEI TECHNOLOGIES CO., LTD.: COMPANY SNAPSHOT

TABLE 143 HUAWEI TECHNOLOGIES CO., LTD.:

PRODUCTS/SERVICES/SOLUTIONS OFFERED

TABLE 144 HUAWEI TECHNOLOGIES CO., LTD.: PRODUCT LAUNCHES

TABLE 145 HUAWEI TECHNOLOGIES CO., LTD.: DEALS

15.1.2 TELEFONAKTIEBOLAGET LM ERICSSON

TABLE 146 TELEFONAKTIEBOLAGET LM ERICSSON: COMPANY OVERVIEW

FIGURE 48 TELEFONAKTIEBOLAGET LM ERICSSON: COMPANY SNAPSHOT

TABLE 147 TELEFONAKTIEBOLAGET LM ERICSSON:

PRODUCTS/SERVICES/SOLUTIONS OFFERED

TABLE 148 TELEFONAKTIEBOLAGET LM ERICSSON: PRODUCT LAUNCHES

TABLE 149 TELEFONAKTIEBOLAGET LM ERICSSON: DEALS

15.1.3 NOKIA

TABLE 150 NOKIA: COMPANY OVERVIEW

FIGURE 49 NOKIA: COMPANY SNAPSHOT

TABLE 151 NOKIA: PRODUCTS/SERVICES/SOLUTIONS OFFERED

TABLE 152 NOKIA: DEALS

15.1.4 SAMSUNG

TABLE 153 SAMSUNG: COMPANY OVERVIEW

FIGURE 50 SAMSUNG: COMPANY SNAPSHOT

TABLE 154 SAMSUNG: PRODUCTS/SERVICES/SOLUTIONS OFFERED

TABLE 155 SAMSUNG: PRODUCT LAUNCHES

TABLE 156 SAMSUNG: DEALS

15.1.5 ZTE CORPORATION

TABLE 157 ZTE CORPORATION: COMPANY OVERVIEW

FIGURE 51 ZTE CORPORATION: COMPANY SNAPSHOT

TABLE 158 ZTE CORPORATION: PRODUCTS/SERVICES/SOLUTIONS OFFERED

TABLE 159 ZTE CORPORATION: PRODUCT LAUNCHES

TABLE 160 ZTE CORPORATION: DEALS

15.1.6 NEC CORPORATION

TABLE 161 NEC CORPORATION: COMPANY OVERVIEW

FIGURE 52 NEC CORPORATION: COMPANY SNAPSHOT

TABLE 162 NEC CORPORATION: PRODUCTS/SERVICES/SOLUTIONS OFFERED

TABLE 163 NEC CORPORATION: PRODUCT LAUNCHES

TABLE 164 NEC CORPORATION: DEALS

15.1.7 ORACLE

TABLE 165 ORACLE: COMPANY OVERVIEW

FIGURE 53 ORACLE: COMPANY SNAPSHOT

TABLE 166 ORACLE: PRODUCTS/SERVICES/SOLUTIONS OFFERED

TABLE 167 ORACLE: PRODUCT LAUNCHES

15.1.8 CISCO SYSTEMS, INC.

TABLE 168 CISCO SYSTEMS, INC.: COMPANY OVERVIEW

FIGURE 54 CISCO SYSTEMS, INC.: COMPANY SNAPSHOT

TABLE 169 CISCO SYSTEMS, INC.: PRODUCTS/SERVICES/SOLUTIONS OFFERED

TABLE 170 CISCO SYSTEMS, INC.: DEALS

15.1.9 CIENA CORPORATION

TABLE 171 CIENA CORPORATION: COMPANY OVERVIEW

FIGURE 55 CIENA CORPORATION: COMPANY SNAPSHOT

TABLE 172 CIENA CORPORATION: PRODUCTS/SERVICES/SOLUTIONS OFFERED

TABLE 173 CIENA CORPORATION: DEALS

15.1.10 JUNIPER NETWORKS, INC.

TABLE 174 JUNIPER NETWORKS, INC.: COMPANY OVERVIEW

FIGURE 56 JUNIPER NETWORKS, INC.: COMPANY SNAPSHOT

TABLE 175 JUNIPER NETWORKS, INC.: PRODUCTS/SERVICES/SOLUTIONS OFFERED

TABLE 176 JUNIPER NETWORKS, INC.: DEALS

15.2 OTHER PLAYERS

15.2.1 HEWLETT PACKARD ENTERPRISE DEVELOPMENT LP

15.2.2 AFFIRMED NETWORKS

15.2.3 MAVENIR

15.2.4 CELONA INC.

15.2.5 AIRSPAN NETWORKS

15.2.6 COMMSCOPE

15.2.7 VMWARE, INC.

15.2.8 EXTREME NETWORKS

15.2.9 COMBA TELECOM SYSTEMS HOLDINGS LTD.

15.2.10 DEUTSCHE TELEKOM AG

15.2.11 FUJITSU

15.2.12 VERIZON

15.2.13 AT&T

15.2.14 SK TELECOM CO., LTD.

15.2.15 DELL INC.

Details on Business Overview, Products/Solutions/Services Offered, Recent Developments, MnM view (Key strengths/Right to win, Strategic choices made, Weakness/competitive threats) might not be captured in case of unlisted companies.

16 APPENDIX

16.1 DISCUSSION GUIDE

- 16.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL
- 16.3 CUSTOMIZATION OPTIONS
- 16.4 RELATED REPORTS
- 16.5 AUTHOR DETAILS

I would like to order

Product name: Private 5G Market by Component (Base Station, Radio Access Network, Core Network, Antennas, Software-Defined Network, Network Management, Network Security), Spectrum (Licensed, Shared), Services, Frequency Band, Deployment Mode - Global Forecast to 2028

Product link: <https://marketpublishers.com/r/PC995080C515EN.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/PC995080C515EN.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