

Wireless Connectivity Market by Connectivity (Wi-Fi, Bluetooth Classic, Bluetooth 4X, Bluetooth 5X, ZigBee, Z-Wave, UWB, NFC, Thread, GNSS, Cellular, EnOcean, Sigfox, LoRa, LTE Cat-M1, NB-IoT), End-use and Region - Global Forecast to 2027

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Abstracts

The wireless connectivity market is projected to reach USD 199.3 billion by 2027, growing at a CAGR of 12.8% from 2022 to 2027. This report covers key applications, namely, wearable devices, healthcare, consumer electronics, building automation, automotive & transportation, and others in wireless connectivity market. The Wi-Fi connectivity type in deploying wireless connectivity accounted for a whopping share of about 21.3% of the market in 2021.

“By end use, the market for healthcare segment is expected to grow at highest pace during the forecast period”

Medical devices that can measure daily routines and collect vital data, sensors in emergency rooms, and data analytics tools that integrate all these are expected to gain importance with the evolution of healthcare systems. The increasing prevalence of chronic diseases such as diabetes, hypertension, cardiac arrhythmias, and heart failure is expected to offer growth opportunities for wireless technologies to be integrated into devices, particularly as consumer health and preventive medicine are gaining greater prominence. While a few products have wide commercial use, a number of devices are in the early stages of launch and may offer some insights into future medical applications.

“North America region is expected to grow at healthy rate in the Wireless Connectivity market during the forecast period.”

The region is a hub for technological innovations and an early adopter of new technologies. The large presence of major companies in the region, high demand for connected technologies, and increased use of innovative devices are expected to drive the growth of the North American market during the review period. This region is a key market as it is home to some of the largest companies such as Intel (US), Qualcomm (US), and Texas Instruments (US) in the wireless connectivity market. The increased spending on research and development in the field of IoT and related technologies is driving the need for better wireless connectivity technologies in North America.

Break-up of the profiles of primary participants:

By Company Type – Tier 1 – 27%, Tier 2 – 41%, and Tier 3 – 32%

By Designation – C-level – 26%, Director-level – 40%, and, Other – 34%

By Region– North America - 47%, Europe – 28%, APAC – 19%, and RoW – 8%

The key players operating in the Wireless Connectivity market include are Intel Corporation (US), Texas Instruments Incorporated (US), Qualcomm Incorporated (US), Broadcom (US), STMicroelectronics N.V. (Switzerland), NXP Semiconductors N.V. (Netherlands), Microchip Technology Inc. (US), MediaTek Inc. (Taiwan), and Renesas Electronics Corporation (Japan). Infineon Technologies AG (Germany), EnOcean (Germany), Nexcom International Co., Ltd. (Taiwan), Skyworks Solutions, Inc. (US), Murata Manufacturing Co., Ltd. (Japan), Nordic Semiconductor (Norway), Expressif Systems (China), CEVA, Inc. (US), Peraso Technologies, Inc. (Canada), Panasonic Corporation (Japan), BehrTech (Canada), Skyworks Solutions, Inc. (US), Semtech (US), MeiG Smart Technology Co., Ltd. (China), Neoway Technology (China), and XIAMEN CHEERZING IoT Technology Co., Ltd. (China). The wireless connectivity market has been segmented into connectivity technology, type, end-use, and region.

Based on connectivity type the Wireless Connectivity market has been segmented by Wi-Fi, Bluetooth Classic, Bluetooth 4X, Bluetooth 5X, ZigBee, Z-Wave, UWB, NFC, Thread, GNSS, Cellular, EnOcean, Sigfox, LoRa, LTE Cat-M1, NB-IoT, and Others. Based on end use the Wireless Connectivity market has been segmented by Wearable Devices, Healthcare, Consumer Electronics, Building Automation, Automotive & Transportation, and Others. Based on region the Wireless Connectivity market has been segmented by North America, Europe, Asia Pacific, and Rest of the World.

Illustrative segmentation, analysis, and forecast of the market based on connectivity technology, type, end use, and region have been conducted to give an overall view of the Wireless Connectivity market.

A value chain analysis has been performed to provide in-depth insight into the Wireless Connectivity market.

The key drivers, restraints, opportunities, and challenges pertaining to the Wireless Connectivity market have been detailed in this report.

The report includes a detailed competitive landscape of the market, along with key players, as well as in-depth analysis of their revenues

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.2.1 INCLUSIONS AND EXCLUSIONS

1.3 STUDY SCOPE

FIGURE 1 MARKETS COVERED

1.3.1 GEOGRAPHIC SCOPE

FIGURE 2 WIRELESS CONNECTIVITY MARKET: REGIONAL SCOPE

1.3.2 YEARS CONSIDERED

FIGURE 3 WIRELESS CONNECTIVITY MARKET: FORECAST YEARS

1.4 CURRENCY CONSIDERED

1.5 PACKAGE SIZE

1.6 LIMITATIONS

1.7 STAKEHOLDERS

1.8 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 4 WIRELESS CONNECTIVITY MARKET: RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.1.1 List of major secondary sources

2.1.1.2 Secondary sources

2.1.2 PRIMARY DATA

2.1.2.1 Key industry insights

2.1.2.2 Breakdown of primaries

2.2 MARKET SIZE ESTIMATION

FIGURE 5 PROCESS FLOW OF MARKET SIZE ESTIMATION

2.2.1 BOTTOM-UP APPROACH

FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

2.2.2 TOP-DOWN APPROACH

FIGURE 7 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

2.3 DATA TRIANGULATION

FIGURE 8 DATA TRIANGULATION

2.4 RESEARCH ASSUMPTIONS

3 EXECUTIVE SUMMARY

3.1 GROWTH RATE ASSUMPTIONS/GROWTH FORECASTS

FIGURE 9 LPWAN-ENABLED CONNECTIVITY TYPE SEGMENT TO REGISTER HIGHEST CAGR BETWEEN 2022 AND 2027

FIGURE 10 CELLULAR SEGMENT TO GENERATE HIGHEST MARKET OPPORTUNITY FROM 2022 TO 2027

FIGURE 11 WIRELESS CONNECTIVITY MARKET IN ASIA PACIFIC TO EXHIBIT HIGHEST CAGR BETWEEN 2022 AND 2027

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN WIRELESS CONNECTIVITY MARKET, 2022–2027 (USD BILLION)

FIGURE 12 INCREASING DEMAND FOR WIRELESS SENSOR NETWORKS FOR DEVELOPING SMART INFRASTRUCTURE IS DRIVING GROWTH OF WIRELESS CONNECTIVITY MARKET

4.2 WIRELESS CONNECTIVITY MARKET, BY END-USE

FIGURE 13 CONSUMER ELECTRONICS SEGMENT HELD LARGEST SHARE OF WIRELESS CONNECTIVITY MARKET IN 2022

4.3 WIRELESS CONNECTIVITY MARKET IN ASIA PACIFIC, BY CONNECTIVITY TECHNOLOGY AND COUNTRY

FIGURE 14 CELLULAR TECHNOLOGY AND CHINA ARE LARGEST SHAREHOLDERS OF WIRELESS CONNECTIVITY MARKET IN ASIA PACIFIC IN 2022

4.4 WIRELESS CONNECTIVITY MARKET, BY REGION

FIGURE 15 ASIA PACIFIC TO REGISTER HIGHEST CAGR BETWEEN 2022 AND 2027

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 16 MARKET DYNAMICS: WIRELESS CONNECTIVITY MARKET

5.2.1 DRIVERS

FIGURE 17 WIRELESS CONNECTIVITY MARKET DRIVERS AND THEIR IMPACT

5.2.1.1 Increasing demand for wireless sensors to develop smart infrastructure

5.2.1.2 Growing internet penetration rate

FIGURE 18 GLOBAL MACHINE-TO-MACHINE CONNECTIONS FROM 2018 TO 2025

(BILLION UNITS)

FIGURE 19 GLOBAL IOT CONNECTIONS, 2020 & 2026 (BILLION UNITS)

5.2.1.3 Surging adoption of Internet of Things

FIGURE 20 GLOBAL IOT-CONNECTED DEVICES, 2015–2025

5.2.1.4 Rising demand for low-power wide-area networks in IoT applications

5.2.2 RESTRAINTS

FIGURE 21 WIRELESS CONNECTIVITY MARKET RESTRAINTS AND THEIR IMPACT

5.2.2.1 High power consumption by wireless sensors, terminals, and connected devices

5.2.2.2 Lack of uniform communication standards

5.2.3 OPPORTUNITIES

FIGURE 22 WIRELESS CONNECTIVITY MARKET OPPORTUNITIES AND THEIR IMPACT

5.2.3.1 Development of 5G network, particularly in automotive sector

FIGURE 23 GLOBAL VEHICLE PRODUCTION, 2017–2021 (MILLION UNITS)

5.2.3.2 Significant financial support from governments worldwide for R&D in Internet of Things

TABLE 1 GOVERNMENT FUNDING PLANS FOR INTERNET OF THINGS

5.2.3.3 Growing need for cross-domain applications

5.2.4 CHALLENGES

FIGURE 24 WIRELESS CONNECTIVITY MARKET CHALLENGES AND THEIR IMPACT

5.2.4.1 Increasing privacy and security concerns in the age of IoT

5.3 VALUE CHAIN ANALYSIS

FIGURE 25 VALUE CHAIN ANALYSIS OF WIRELESS CONNECTIVITY ECOSYSTEM: SOLUTION & PLATFORM PROVIDERS ADD MAXIMUM VALUE

5.4 ECOSYSTEM ANALYSIS

FIGURE 26 WIRELESS CONNECTIVITY MARKET: ECOSYSTEM

TABLE 2 WIRELESS CONNECTIVITY ECOSYSTEM

5.5 WIRELESS CONNECTIVITY ASP ANALYSIS

5.6 TECHNOLOGY ANALYSIS

5.6.1 COMPLEMENTARY TECHNOLOGY

5.6.1.1 Message queuing telemetry transport

5.6.2 ADJACENT TECHNOLOGY

5.6.2.1 5G

5.7 PORTER'S FIVE FORCES ANALYSIS

TABLE 3 WIRELESS CONNECTIVITY MARKET: PORTER'S FIVE FORCES ANALYSIS

5.8 CASE STUDY ANALYSIS

5.8.1 HEALTHCARE

5.8.2 BUILDING AUTOMATION

5.8.3 RETAIL

5.9 TRADE ANALYSIS

TABLE 4 EXPORT DATA FOR HS CODE 851769 FOR TOP COUNTRIES, 2017–2021 (THOUSAND USD)

FIGURE 27 EXPORT DATA FOR HS CODE 851769 FOR TOP COUNTRIES, 2017–2021 (THOUSAND UNITS)

TABLE 5 IMPORT DATA FOR HS CODE 851769 FOR TOP COUNTRIES, 2017–2021 (THOUSAND USD)

FIGURE 28 IMPORT DATA FOR HS CODE 851769 FOR TOP COUNTRIES, 2017–2021 (THOUSAND UNITS)

5.10 PATENT ANALYSIS

FIGURE 29 WIRELESS CONNECTIVITY: PATENT ANALYSIS

5.11 TARIFF AND REGULATORY LANDSCAPE

5.11.1 REGULATORY LANDSCAPE

5.11.2 TARIFF

TABLE 6 TARIFF FOR ELECTRONIC-INTEGRATED CIRCUITS AS PROCESSORS AND CONTROLLERS EXPORTED BY US, 2020

TABLE 7 TARIFF FOR ELECTRONIC-INTEGRATED CIRCUITS AS PROCESSORS AND CONTROLLERS EXPORTED BY CHINA, 2020

TABLE 8 TARIFF FOR ELECTRONIC-INTEGRATED CIRCUITS AS PROCESSORS AND CONTROLLERS EXPORTED BY GERMANY, 2020

6 WIRELESS CONNECTIVITY MARKET, BY CONNECTIVITY TECHNOLOGY

6.1 INTRODUCTION

FIGURE 30 NB-IOT TECHNOLOGY SEGMENT TO EXHIBIT HIGHEST CAGR IN WIRELESS CONNECTIVITY MARKET, IN TERMS OF VOLUME, FROM 2022 TO 2027

TABLE 9 WIRELESS CONNECTIVITY MARKET, BY CONNECTIVITY TECHNOLOGY, 2018–2021 (MILLION UNITS)

TABLE 10 WIRELESS CONNECTIVITY MARKET, BY CONNECTIVITY TECHNOLOGY, 2022–2027 (MILLION UNITS)

6.2 WI-FI

TABLE 11 WIRELESS CONNECTIVITY MARKET FOR WI-FI TECHNOLOGY, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 12 WIRELESS CONNECTIVITY MARKET FOR WI-FI TECHNOLOGY, BY

REGION, 2022–2027 (MILLION UNITS)

TABLE 13 WIRELESS CONNECTIVITY MARKET FOR WI-FI TECHNOLOGY, BY REGION, 2018–2021 (USD MILLION)

TABLE 14 WIRELESS CONNECTIVITY MARKET FOR WI-FI TECHNOLOGY, BY REGION, 2022–2027 (USD MILLION)

6.2.1 WI-FI, BY BAND

6.2.1.1 Single band

6.2.1.1.1 Overlapping channels with limited capacity

6.2.1.2 Dual band

6.2.1.2.1 High data rate applications such as video streaming and gaming

6.2.1.3 Tri band

6.2.1.3.1 High data transfer rate with negligible congestion

TABLE 15 WIRELESS CONNECTIVITY MARKET FOR WI-FI TECHNOLOGY, BY BAND, 2018–2021 (MILLION UNITS)

TABLE 16 WIRELESS CONNECTIVITY MARKET FOR WI-FI TECHNOLOGY, BY BAND, 2022–2027 (MILLION UNITS)

6.3 BLUETOOTH CLASSIC

6.3.1 USED TO TRANSFER DATA OVER SHORT DISTANCES

TABLE 17 WIRELESS CONNECTIVITY MARKET FOR BLUETOOTH CLASSIC TECHNOLOGY, BY REGION, 2018–2022 (MILLION UNITS)

TABLE 18 WIRELESS CONNECTIVITY MARKET FOR BLUETOOTH CLASSIC TECHNOLOGY, BY REGION, 2018–2022 (USD MILLION)

6.4 BLUETOOTH 4X

6.4.1 OPTIMIZED VERSION OF PROPRIETARY WIRELESS BLUETOOTH TECHNOLOGY

TABLE 19 WIRELESS CONNECTIVITY MARKET FOR BLUETOOTH 4X TECHNOLOGY, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 20 WIRELESS CONNECTIVITY MARKET FOR BLUETOOTH 4X TECHNOLOGY, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 21 WIRELESS CONNECTIVITY MARKET FOR BLUETOOTH 4X TECHNOLOGY, BY REGION, 2018–2021 (USD MILLION)

TABLE 22 WIRELESS CONNECTIVITY MARKET FOR BLUETOOTH 4X TECHNOLOGY, BY REGION, 2022–2027 (USD MILLION)

6.5 BLUETOOTH 5X

6.5.1 USED IN WIRELESS HEADPHONES AND OTHER AUDIO HARDWARE

TABLE 23 WIRELESS CONNECTIVITY MARKET FOR BLUETOOTH 5X TECHNOLOGY, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 24 WIRELESS CONNECTIVITY MARKET FOR BLUETOOTH 5X TECHNOLOGY, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 25 WIRELESS CONNECTIVITY MARKET FOR BLUETOOTH 5X TECHNOLOGY, BY REGION, 2018–2021 (USD MILLION)

TABLE 26 WIRELESS CONNECTIVITY MARKET FOR BLUETOOTH 5X TECHNOLOGY, BY REGION, 2022–2027 (USD MILLION)

6.6 ZIGBEE

6.6.1 PERSONAL AREA NETWORKS WITH SMALL AND LOW-POWER DIGITAL RADIOS

TABLE 27 WIRELESS CONNECTIVITY MARKET FOR ZIGBEE TECHNOLOGY, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 28 WIRELESS CONNECTIVITY MARKET FOR ZIGBEE TECHNOLOGY, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 29 WIRELESS CONNECTIVITY MARKET FOR ZIGBEE TECHNOLOGY, BY REGION, 2018–2021 (USD MILLION)

TABLE 30 WIRELESS CONNECTIVITY MARKET FOR ZIGBEE TECHNOLOGY, BY REGION, 2022–2027 (USD MILLION)

6.7 Z-WAVE

6.7.1 USED TO CREATE WIRELESS MESH NETWORK

TABLE 31 WIRELESS CONNECTIVITY MARKET FOR Z-WAVE TECHNOLOGY, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 32 WIRELESS CONNECTIVITY MARKET FOR Z-WAVE TECHNOLOGY, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 33 WIRELESS CONNECTIVITY MARKET FOR Z-WAVE TECHNOLOGY, BY REGION, 2018–2021 (USD MILLION)

TABLE 34 WIRELESS CONNECTIVITY MARKET FOR Z-WAVE TECHNOLOGY, BY REGION, 2022–2027 (USD MILLION)

6.8 THREAD

6.8.1 IPV6-BASED MESH NETWORKING PROTOCOL

TABLE 35 WIRELESS CONNECTIVITY MARKET FOR THREAD TECHNOLOGY, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 36 WIRELESS CONNECTIVITY MARKET FOR THREAD TECHNOLOGY, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 37 WIRELESS CONNECTIVITY MARKET FOR THREAD TECHNOLOGY, BY REGION, 2018–2021 (USD MILLION)

TABLE 38 WIRELESS CONNECTIVITY MARKET FOR THREAD TECHNOLOGY, BY REGION, 2022–2027 (USD MILLION)

6.9 NEAR-FIELD COMMUNICATIONS

6.9.1 ENABLES COMMUNICATION BETWEEN DEVICES WHEN PLACED IN PROXIMITY

TABLE 39 WIRELESS CONNECTIVITY MARKET FOR NFC TECHNOLOGY, BY

REGION, 2018–2021 (MILLION UNITS)

TABLE 40 WIRELESS CONNECTIVITY MARKET FOR NFC TECHNOLOGY, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 41 WIRELESS CONNECTIVITY MARKET FOR NFC TECHNOLOGY, BY REGION, 2018–2021 (USD MILLION)

TABLE 42 WIRELESS CONNECTIVITY MARKET FOR NFC TECHNOLOGY, BY REGION, 2022–2027 (USD MILLION)

6.10 GLOBAL NAVIGATION SATELLITE SYSTEMS

6.10.1 POPULAR TECHNOLOGY FOR MOBILITY

TABLE 43 WIRELESS CONNECTIVITY MARKET FOR GNSS TECHNOLOGY, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 44 WIRELESS CONNECTIVITY MARKET FOR GNSS TECHNOLOGY, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 45 WIRELESS CONNECTIVITY MARKET FOR GNSS TECHNOLOGY, BY REGION, 2018–2021 (USD MILLION)

TABLE 46 WIRELESS CONNECTIVITY MARKET FOR GNSS TECHNOLOGY, BY REGION, 2022–2027 (USD MILLION)

6.11 ENOCEAN

6.11.1 USED FOR WIRELESS SENSORS, CONTROLLERS, AND GATEWAYS

TABLE 47 WIRELESS CONNECTIVITY MARKET FOR ENOCEAN TECHNOLOGY, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 48 WIRELESS CONNECTIVITY MARKET FOR ENOCEAN TECHNOLOGY, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 49 WIRELESS CONNECTIVITY MARKET FOR ENOCEAN TECHNOLOGY, BY REGION, 2018–2021 (USD MILLION)

TABLE 50 WIRELESS CONNECTIVITY MARKET FOR ENOCEAN TECHNOLOGY, BY REGION, 2022–2027 (USD MILLION)

6.12 CELLULAR

6.12.1 WIRELESS NETWORKS DISTRIBUTED OVER LAND AREAS CALLED CELLS

6.12.2 2G

6.12.3 3G

6.12.4 4G+

6.12.5 5G

TABLE 51 WIRELESS CONNECTIVITY MARKET FOR CELLULAR TECHNOLOGY, BY TECHNOLOGY, 2018–2021 (MILLION UNITS)

TABLE 52 WIRELESS CONNECTIVITY MARKET FOR CELLULAR TECHNOLOGY, BY TECHNOLOGY, 2022–2027 (MILLION UNITS)

TABLE 53 WIRELESS CONNECTIVITY MARKET FOR CELLULAR TECHNOLOGY,

BY REGION, 2018–2021 (MILLION UNITS)

TABLE 54 WIRELESS CONNECTIVITY MARKET FOR CELLULAR TECHNOLOGY, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 55 WIRELESS CONNECTIVITY MARKET FOR CELLULAR TECHNOLOGY, BY REGION, 2018–2021 (USD MILLION)

TABLE 56 WIRELESS CONNECTIVITY MARKET FOR CELLULAR TECHNOLOGY, BY REGION, 2022–2027 (USD MILLION)

6.13 UWB

6.13.1 IDEAL FOR SHORT-RANGE DATA TRANSMISSION

TABLE 57 WIRELESS COMMUNICATION MARKET FOR UWB TECHNOLOGY, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 58 WIRELESS COMMUNICATION MARKET FOR UWB TECHNOLOGY, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 59 WIRELESS CONNECTIVITY MARKET FOR UWB TECHNOLOGY, BY REGION, 2018–2021 (USD MILLION)

TABLE 60 WIRELESS CONNECTIVITY MARKET FOR UWB TECHNOLOGY, BY REGION, 2022–2027 (USD MILLION)

6.14 LORA

6.14.1 LONG-RANGE, LOW-POWER WIRELESS PLATFORM

TABLE 61 WIRELESS CONNECTIVITY MARKET FOR LORA TECHNOLOGY, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 62 WIRELESS CONNECTIVITY MARKET FOR LORA TECHNOLOGY, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 63 WIRELESS CONNECTIVITY MARKET FOR LORA TECHNOLOGY, BY REGION, 2018–2021 (USD MILLION)

TABLE 64 WIRELESS CONNECTIVITY MARKET FOR LORA TECHNOLOGY, BY REGION, 2022–2027 (USD MILLION)

6.15 SIGFOX

6.15.1 LOW-POWER WIDE-AREA NETWORK COVERAGE

TABLE 65 WIRELESS CONNECTIVITY MARKET FOR SIGFOX TECHNOLOGY, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 66 WIRELESS CONNECTIVITY MARKET FOR SIGFOX TECHNOLOGY, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 67 WIRELESS CONNECTIVITY MARKET FOR SIGFOX TECHNOLOGY, BY REGION, 2018–2021 (USD MILLION)

TABLE 68 WIRELESS CONNECTIVITY MARKET FOR SIGFOX TECHNOLOGY, BY REGION, 2022–2027 (USD MILLION)

6.16 NB-IOT

6.16.1 LOW COST, WIDE COVERAGE, AND LONG BATTERY LIFE

TABLE 69 WIRELESS CONNECTIVITY MARKET FOR NB- IOT TECHNOLOGY, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 70 WIRELESS CONNECTIVITY MARKET FOR NB-IOT TECHNOLOGY, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 71 WIRELESS CONNECTIVITY MARKET FOR NB-IOT TECHNOLOGY, BY REGION, 2018–2021 (USD MILLION)

TABLE 72 WIRELESS CONNECTIVITY MARKET FOR NB-IOT TECHNOLOGY, BY REGION, 2022–2027 (USD MILLION)

6.17 LTE CAT M1

6.17.1 LONGER BATTERY LIFE, EXTENDED RANGE, AND DEEP PENETRATION IN BUILDINGS AND BASEMENTS

TABLE 73 WIRELESS CONNECTIVITY MARKET FOR LTE-CAT M1 TECHNOLOGY, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 74 WIRELESS CONNECTIVITY MARKET FOR LTE-CAT M1 TECHNOLOGY, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 75 WIRELESS CONNECTIVITY MARKET FOR LTE-CAT M1 TECHNOLOGY, BY REGION, 2018–2021 (USD MILLION)

TABLE 76 WIRELESS CONNECTIVITY MARKET FOR LTE-CAT M1 TECHNOLOGY, BY REGION, 2022–2027 (USD MILLION)

6.18 OTHERS

TABLE 77 WIRELESS CONNECTIVITY MARKET FOR OTHER TECHNOLOGIES, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 78 WIRELESS CONNECTIVITY MARKET FOR OTHER TECHNOLOGIES, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 79 WIRELESS CONNECTIVITY MARKET FOR OTHER TECHNOLOGIES, BY REGION, 2018–2021 (USD MILLION)

TABLE 80 WIRELESS CONNECTIVITY MARKET FOR OTHER TECHNOLOGIES, BY REGION, 2022–2027 (USD MILLION)

7 WIRELESS CONNECTIVITY MARKET, BY TYPE

7.1 INTRODUCTION

FIGURE 31 WPAN-ENABLED CHIPSETS SEGMENT TO HOLD LARGEST SHARE OF WIRELESS CONNECTIVITY MARKET FROM 2022 TO 2027

TABLE 81 WIRELESS CONNECTIVITY MARKET, BY TYPE, 2018–2021 (MILLION UNITS)

TABLE 82 WIRELESS CONNECTIVITY MARKET, BY TYPE, 2022–2027 (MILLION UNITS)

TABLE 83 WIRELESS CONNECTIVITY MARKET, BY TYPE, 2018–2021 (USD

MILLION)

TABLE 84 WIRELESS CONNECTIVITY MARKET, BY TYPE, 2022–2027 (USD MILLION)

7.2 WIRELESS LOCAL AREA NETWORK

7.2.1 EXPONENTIAL GROWTH IN BANDWIDTH AND HIGHER THROUGHPUT

TABLE 85 WIRELESS CONNECTIVITY MARKET FOR WLAN, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 86 WIRELESS CONNECTIVITY MARKET FOR WLAN, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 87 WIRELESS CONNECTIVITY MARKET FOR WLAN, BY REGION, 2018–2021 (USD MILLION)

TABLE 88 WIRELESS CONNECTIVITY MARKET FOR WLAN, BY REGION, 2022–2027 (USD MILLION)

7.3 WIRELESS PERSONAL AREA NETWORK

7.3.1 HIGH ADOPTION OF WPAN TECHNOLOGY ATTRIBUTED TO ITS LOW COST, FLEXIBILITY, SECURITY, AND EASE OF USE

TABLE 89 WIRELESS CONNECTIVITY MARKET FOR WPAN, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 90 WIRELESS CONNECTIVITY MARKET FOR WPAN, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 91 WIRELESS CONNECTIVITY MARKET FOR WPAN, BY REGION, 2018–2021 (USD MILLION)

TABLE 92 WIRELESS CONNECTIVITY MARKET FOR WPAN, BY REGION, 2022–2027 (USD MILLION)

7.4 SATELLITE

7.4.1 GNSS TECHNOLOGY WIDELY USED FOR NAVIGATION SOLUTIONS

TABLE 93 WIRELESS CONNECTIVITY MARKET FOR GNSS, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 94 WIRELESS CONNECTIVITY MARKET FOR GNSS, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 95 WIRELESS CONNECTIVITY MARKET FOR GNSS, BY REGION, 2018–2021 (USD MILLION)

TABLE 96 WIRELESS CONNECTIVITY MARKET FOR GNSS, BY REGION, 2022–2027 (USD MILLION)

7.5 LOW-POWER WIDE-AREA NETWORK

7.5.1 LOW POWER CONSUMPTION OF LPWAN TECHNOLOGY IDEAL FOR SEVERAL APPLICATIONS

TABLE 97 WIRELESS CONNECTIVITY MARKET FOR LPWAN, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 98 WIRELESS CONNECTIVITY MARKET FOR LPWAN, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 99 WIRELESS CONNECTIVITY MARKET FOR LPWAN, BY REGION, 2018–2021 (USD MILLION)

TABLE 100 WIRELESS CONNECTIVITY MARKET FOR LPWAN, BY REGION, 2022–2027 (USD MILLION)

7.6 CELLULAR

7.6.1 INCREASING ADOPTION OF 5G TO PROPEL GROWTH OF CELLULAR TECHNOLOGY

TABLE 101 WIRELESS CONNECTIVITY MARKET FOR CELLULAR, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 102 WIRELESS CONNECTIVITY MARKET FOR CELLULAR, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 103 WIRELESS CONNECTIVITY MARKET FOR CELLULAR, BY REGION, 2018–2021 (USD MILLION)

TABLE 104 WIRELESS CONNECTIVITY MARKET FOR CELLULAR, BY REGION, 2022–2027 (USD MILLION)

8 WIRELESS CONNECTIVITY MARKET, BY END-USE

8.1 INTRODUCTION

FIGURE 32 CONSUMER ELECTRONICS SEGMENT TO HOLD LARGEST SIZE OF WIRELESS CONNECTIVITY MARKET BETWEEN 2022 AND 2027

TABLE 105 WIRELESS CONNECTIVITY MARKET, BY END-USE, 2018–2021 (MILLION USD)

TABLE 106 WIRELESS CONNECTIVITY MARKET, BY END-USE, 2022–2027 (MILLION USD)

8.2 WEARABLE DEVICES

8.2.1 SURGING DEMAND FOR SMARTWATCHES, HEARABLES, AND HEAD-MOUNTED DISPLAYS TO DRIVE MARKET

8.3 HEALTHCARE

8.3.1 INCREASING TREND OF REMOTE HEALTH MONITORING TO SUPPORT MARKET GROWTH

8.4 CONSUMER ELECTRONICS

8.4.1 GROWING ADOPTION OF SMART APPLIANCES, SMARTPHONES, AND LAPTOPS TO DRIVE MARKET

8.5 BUILDING AUTOMATION

8.5.1 RISING SMART CITY PROJECTS WORLDWIDE TO BOOST MARKET GROWTH

8.6 AUTOMOTIVE & TRANSPORTATION

8.6.1 EXPANDING CONNECTED CARS MARKET

8.6.2 INCREASING VEHICLE FLEET TO PROLIFERATE DEMAND FOR IOT-BASED ASSET TRACKERS

8.7 OTHERS

9 REGIONAL ANALYSIS

9.1 INTRODUCTION

FIGURE 33 WIRELESS CONNECTIVITY MARKET, BY GEOGRAPHY

FIGURE 34 ASIA PACIFIC TO DOMINATE WIRELESS CONNECTIVITY MARKET DURING FORECAST PERIOD

TABLE 107 WIRELESS CONNECTIVITY MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 108 WIRELESS CONNECTIVITY MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 109 WIRELESS CONNECTIVITY MARKET, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 110 WIRELESS CONNECTIVITY MARKET, BY REGION, 2022–2027 (MILLION UNITS)

9.2 NORTH AMERICA

FIGURE 35 NORTH AMERICA: WIRELESS CONNECTIVITY MARKET SNAPSHOT

TABLE 111 WIRELESS CONNECTIVITY MARKET IN NORTH AMERICA, BY CONNECTIVITY TECHNOLOGY, 2018–2021 (MILLION UNITS)

TABLE 112 WIRELESS CONNECTIVITY MARKET IN NORTH AMERICA, BY CONNECTIVITY TECHNOLOGY, 2022–2027 (MILLION UNITS)

TABLE 113 NORTH AMERICAN WIRELESS CONNECTIVITY MARKET FOR WI-FI TECHNOLOGY, BY BAND, 2018–2021 (MILLION UNITS)

TABLE 114 NORTH AMERICAN WIRELESS CONNECTIVITY MARKET FOR WI-FI TECHNOLOGY, BY BAND, 2022–2027 (MILLION UNITS)

TABLE 115 WIRELESS CONNECTIVITY MARKET IN NORTH AMERICA, BY TYPE, 2018–2021 (MILLION UNITS)

TABLE 116 WIRELESS CONNECTIVITY MARKET IN NORTH AMERICA, BY TYPE, 2022–2027 (MILLION UNITS)

TABLE 117 WIRELESS CONNECTIVITY MARKET IN NORTH AMERICA, BY TYPE, 2018–2021 (USD MILLION)

TABLE 118 WIRELESS CONNECTIVITY MARKET IN NORTH AMERICA, BY TYPE, 2022–2027 (USD MILLION)

TABLE 119 WIRELESS CONNECTIVITY MARKET IN NORTH AMERICA, BY

COUNTRY, 2018–2021 (MILLION UNITS)

TABLE 120 WIRELESS CONNECTIVITY MARKET IN NORTH AMERICA, BY COUNTRY, 2022–2027 (MILLION UNITS)

TABLE 121 WIRELESS CONNECTIVITY MARKET IN NORTH AMERICA, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 122 WIRELESS CONNECTIVITY MARKET IN NORTH AMERICA, BY COUNTRY, 2022–2027 (USD MILLION)

9.2.1 US

9.2.1.1 Increasing adoption of smart homes, smart medical equipment, and connected cars

9.2.2 CANADA

9.2.2.1 Growing adoption of advanced technologies by small and medium enterprises

9.2.3 MEXICO

9.2.3.1 Rising use of advanced technologies by traditional companies

9.3 EUROPE

FIGURE 36 EUROPE: WIRELESS CONNECTIVITY MARKET SNAPSHOT

TABLE 123 WIRELESS CONNECTIVITY MARKET IN EUROPE, BY CONNECTIVITY TECHNOLOGY, 2018–2021 (MILLION UNITS)

TABLE 124 WIRELESS CONNECTIVITY MARKET IN EUROPE, BY CONNECTIVITY TECHNOLOGY, 2022–2027 (MILLION UNITS)

TABLE 125 WIRELESS CONNECTIVITY MARKET IN EUROPE FOR WI-FI TECHNOLOGY, BY BAND, 2018–2021 (MILLION UNITS)

TABLE 126 WIRELESS CONNECTIVITY MARKET IN EUROPE FOR WI-FI TECHNOLOGY, BY BAND, 2022–2027 (MILLION UNITS)

TABLE 127 WIRELESS CONNECTIVITY MARKET IN EUROPE, BY TYPE, 2018–2021 (MILLION UNITS)

TABLE 128 WIRELESS CONNECTIVITY MARKET IN EUROPE, BY TYPE, 2022–2027 (MILLION UNITS)

TABLE 129 WIRELESS CONNECTIVITY MARKET IN EUROPE, BY TYPE, 2018–2021 (USD MILLION)

TABLE 130 WIRELESS CONNECTIVITY MARKET IN EUROPE, BY TYPE, 2022–2027 (USD MILLION)

TABLE 131 WIRELESS CONNECTIVITY MARKET IN EUROPE, BY COUNTRY, 2018–2021 (MILLION UNITS)

TABLE 132 WIRELESS CONNECTIVITY MARKET IN EUROPE, BY COUNTRY, 2022–2027 (MILLION UNITS)

TABLE 133 WIRELESS CONNECTIVITY MARKET IN EUROPE, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 134 WIRELESS CONNECTIVITY MARKET IN EUROPE, BY COUNTRY,

2022–2027 (USD MILLION)**9.3.1 UK**

9.3.1.1 Growing adoption of wireless technologies in consumer applications

9.3.2 FRANCE

9.3.2.1 Increasing investments in R&D to modernize industrial sector

9.3.3 GERMANY

9.3.3.1 Rising deployment of smart factory solutions due to adoption of Industry 4.0

9.3.4 ITALY

9.3.4.1 High focus on digital development

9.3.5 REST OF EUROPE**9.4 ASIA PACIFIC****FIGURE 37 ASIA PACIFIC: WIRELESS CONNECTIVITY MARKET SNAPSHOT**

TABLE 135 WIRELESS CONNECTIVITY MARKET IN ASIA PACIFIC, BY CONNECTIVITY TECHNOLOGY, 2018–2021 (MILLION UNITS)

TABLE 136 WIRELESS CONNECTIVITY MARKET IN ASIA PACIFIC, BY CONNECTIVITY TECHNOLOGY, 2022–2027 (MILLION UNITS)

TABLE 137 WIRELESS CONNECTIVITY MARKET IN ASIA PACIFIC FOR WI-FI TECHNOLOGY, BY BAND, 2018–2021 (MILLION UNITS)

TABLE 138 WIRELESS CONNECTIVITY MARKET IN ASIA PACIFIC FOR WI-FI TECHNOLOGY, BY BAND, 2022–2027 (MILLION UNITS)

TABLE 139 WIRELESS CONNECTIVITY MARKET IN ASIA PACIFIC, BY TYPE, 2018–2021 (MILLION UNITS)

TABLE 140 WIRELESS CONNECTIVITY MARKET IN ASIA PACIFIC, BY TYPE, 2022–2027 (MILLION UNITS)

TABLE 141 WIRELESS CONNECTIVITY MARKET IN ASIA PACIFIC, BY TYPE, 2018–2021 (USD MILLION)

TABLE 142 WIRELESS CONNECTIVITY MARKET IN ASIA PACIFIC, BY TYPE, 2022–2027 (USD MILLION)

TABLE 143 WIRELESS CONNECTIVITY MARKET IN ASIA PACIFIC, BY COUNTRY, 2018–2021 (MILLION UNITS)

TABLE 144 WIRELESS CONNECTIVITY MARKET IN ASIA PACIFIC, BY COUNTRY, 2022–2027 (MILLION UNITS)

TABLE 145 WIRELESS CONNECTIVITY MARKET IN ASIA PACIFIC, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 146 WIRELESS CONNECTIVITY MARKET IN ASIA PACIFIC, BY COUNTRY, 2022–2027 (USD MILLION)

9.4.1 CHINA

9.4.1.1 Growing adoption of IoT technology

9.4.2 JAPAN

9.4.2.1 Increasing use of wireless connectivity solutions in IoT applications

9.4.3 SOUTH KOREA

9.4.3.1 Surging advancements in cellular technologies

9.4.4 REST OF APAC

9.5 ROW

TABLE 147 WIRELESS CONNECTIVITY MARKET IN ROW, BY CONNECTIVITY TECHNOLOGY, 2018–2021 (MILLION UNITS)

TABLE 148 WIRELESS CONNECTIVITY MARKET IN ROW, BY CONNECTIVITY TECHNOLOGY, 2022–2027 (MILLION UNITS)

TABLE 149 WIRELESS CONNECTIVITY MARKET IN ROW FOR WI-FI TECHNOLOGY, BY BAND, 2018–2021 (MILLION UNITS)

TABLE 150 WIRELESS CONNECTIVITY MARKET IN ROW FOR WI-FI TECHNOLOGY, BY BAND, 2022–2027 (MILLION UNITS)

TABLE 151 WIRELESS CONNECTIVITY MARKET IN ROW, BY TYPE, 2018–2021 (MILLION UNITS)

TABLE 152 WIRELESS CONNECTIVITY MARKET IN ROW, BY TYPE, 2022–2027 (MILLION UNITS)

TABLE 153 WIRELESS CONNECTIVITY MARKET IN ROW, BY TYPE, 2018–2021 (USD MILLION)

TABLE 154 WIRELESS CONNECTIVITY MARKET IN ROW, BY TYPE, 2022–2027 (USD MILLION)

TABLE 155 WIRELESS CONNECTIVITY MARKET IN ROW, BY COUNTRY, 2018–2021 (MILLION UNITS)

TABLE 156 WIRELESS CONNECTIVITY MARKET IN ROW, BY COUNTRY, 2022–2027 (MILLION UNITS)

TABLE 157 WIRELESS CONNECTIVITY MARKET IN ROW, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 158 WIRELESS CONNECTIVITY MARKET IN ROW, BY COUNTRY, 2022–2027 (USD MILLION)

9.5.1 MIDDLE EAST & AFRICA

9.5.2 SOUTH AMERICA

10 COMPETITIVE LANDSCAPE

10.1 OVERVIEW

10.2 REVENUE ANALYSIS

FIGURE 38 THREE-YEAR REVENUE ANALYSIS OF TOP 5 PLAYERS IN WIRELESS CONNECTIVITY MARKET

10.3 MARKET SHARE ANALYSIS (2021)

TABLE 159 WIRELESS CONNECTIVITY MARKET: MARKET SHARE ANALYSIS**10.4 COMPANY EVALUATION QUADRANT, 2021****10.4.1 STARS****10.4.2 PERVASIVE PLAYERS****10.4.3 EMERGING LEADERS****10.4.4 PARTICIPANTS****FIGURE 39 WIRELESS CONNECTIVITY MARKET (GLOBAL): COMPANY EVALUATION QUADRANT, 2021****10.5 SMALL AND MEDIUM ENTERPRISES EVALUATION QUADRANT, 2021****10.5.1 PROGRESSIVE COMPANIES****10.5.2 RESPONSIVE COMPANIES****10.5.3 DYNAMIC COMPANIES****10.5.4 STARTING BLOCKS****FIGURE 40 WIRELESS CONNECTIVITY MARKET (GLOBAL), SME EVALUATION QUADRANT, 2021****TABLE 160 WIRELESS CONNECTIVITY MARKET: COMPANY FOOTPRINT****TABLE 161 WIRELESS CONNECTIVITY MARKET: CONNECTIVITY TYPE FOOTPRINT****TABLE 162 WIRELESS CONNECTIVITY MARKET: END-USE FOOTPRINT****TABLE 163 WIRELESS CONNECTIVITY MARKET: REGIONAL FOOTPRINT****10.6 COMPETITIVE SCENARIO AND TRENDS****10.6.1 PRODUCT LAUNCHES****TABLE 164 WIRELESS CONNECTIVITY MARKET: PRODUCT LAUNCHES, JANUARY 2018–JUNE 2022****10.6.2 DEALS****TABLE 165 WIRELESS CONNECTIVITY MARKET: DEALS****11 COMPANY PROFILES****11.1 KEY PLAYERS**

(Business Overview, Products/Solutions/Services Offered, Recent Developments, and MnM View)*

11.1.1 INTEL CORPORATION**TABLE 166 INTEL CORPORATION: BUSINESS OVERVIEW****FIGURE 41 INTEL CORPORATION: COMPANY SNAPSHOT****TABLE 167 INTEL CORPORATION: PRODUCTS/SOLUTIONS/SERVICES OFFERED****TABLE 168 INTEL CORPORATION: PRODUCT LAUNCHES****TABLE 169 INTEL CORPORATION: DEALS****11.1.2 TEXAS INSTRUMENTS**

TABLE 170 TEXAS INSTRUMENTS: BUSINESS OVERVIEW

FIGURE 42 TEXAS INSTRUMENTS: COMPANY SNAPSHOT

TABLE 171 TEXAS INSTRUMENTS: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 172 TEXAS INSTRUMENTS: PRODUCT LAUNCHES

TABLE 173 TEXAS INSTRUMENTS: DEALS

11.1.3 QUALCOMM TECHNOLOGIES, INC.

TABLE 174 QUALCOMM TECHNOLOGIES, INC.: BUSINESS OVERVIEW

FIGURE 43 QUALCOMM TECHNOLOGIES, INC.: COMPANY SNAPSHOT

TABLE 175 QUALCOMM TECHNOLOGIES, INC.:

PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 176 QUALCOMM TECHNOLOGIES, INC.: PRODUCT LAUNCHES

TABLE 177 QUALCOMM TECHNOLOGIES, INC.: DEALS

11.1.4 BROADCOM

TABLE 178 BROADCOM: BUSINESS OVERVIEW

FIGURE 44 BROADCOM: COMPANY SNAPSHOT

TABLE 179 BROADCOM: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 180 BROADCOM: PRODUCT LAUNCHES

TABLE 181 BROADCOM: DEALS

11.1.5 STMICROELECTRONICS

TABLE 182 STMICROELECTRONICS: BUSINESS OVERVIEW

FIGURE 45 STMICROELECTRONICS: COMPANY SNAPSHOT

TABLE 183 STMICROELECTRONICS: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 184 STMICROELECTRONICS: PRODUCT LAUNCHES

TABLE 185 STMICROELECTRONICS: DEALS

11.2 OTHER KEY PLAYERS

11.2.1 NXP SEMICONDUCTORS

TABLE 186 NXP SEMICONDUCTORS: BUSINESS OVERVIEW

FIGURE 46 NXP SEMICONDUCTORS: COMPANY SNAPSHOT

TABLE 187 NXP SEMICONDUCTORS: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 188 NXP SEMICONDUCTORS: PRODUCT LAUNCHES

TABLE 189 NXP SEMICONDUCTORS: DEALS

11.2.2 MICROCHIP TECHNOLOGY INC.

TABLE 190 MICROCHIP TECHNOLOGY INC.: BUSINESS OVERVIEW

FIGURE 47 MICROCHIP TECHNOLOGY INC.: COMPANY SNAPSHOT

TABLE 191 MICROCHIP TECHNOLOGY INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 192 MICROCHIP TECHNOLOGY INC.: PRODUCT LAUNCHES

11.2.3 MEDIATEK INC.

TABLE 193 MEDIATEK INC.: BUSINESS OVERVIEW

FIGURE 48 MEDIATEK INC.: COMPANY SNAPSHOT

TABLE 194 MEDIATEK INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 195 MEDIATEK INC.: PRODUCT LAUNCHES

TABLE 196 MEDIATEK INC.: DEALS

11.2.4 INFINEON TECHNOLOGIES AG

TABLE 197 INFINEON TECHNOLOGIES AG: BUSINESS OVERVIEW

FIGURE 49 INFINEON TECHNOLOGIES AG: COMPANY SNAPSHOT

TABLE 198 INFINEON TECHNOLOGIES AG: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 199 INFINEON TECHNOLOGIES AG: PRODUCT LAUNCHES

TABLE 200 INFINEON TECHNOLOGIES AG: DEALS

11.2.5 RENESAS ELECTRONICS CORPORATION

TABLE 201 RENESAS ELECTRONICS CORPORATION: BUSINESS OVERVIEW

FIGURE 50 RENESAS ELECTRONICS CORPORATION: COMPANY SNAPSHOT

TABLE 202 RENESAS ELECTRONICS CORPORATION:
PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 203 RENESAS ELECTRONICS CORPORATION: PRODUCT LAUNCHES

TABLE 204 RENESAS ELECTRONICS CORPORATION: DEALS

11.2.6 NEXCOM INTERNATIONAL CO., LTD.

TABLE 205 NEXCOM INTERNATIONAL CO., LTD.: BUSINESS OVERVIEW

TABLE 206 NEXCOM INTERNATIONAL CO., LTD.:
PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 207 NEXCOM INTERNATIONAL CO., LTD.: PRODUCT LAUNCHES

11.2.7 SKYWORKS SOLUTIONS INC.

TABLE 208 SKYWORKS SOLUTIONS INC.: BUSINESS OVERVIEW

FIGURE 51 SKYWORKS SOLUTIONS INC.: COMPANY SNAPSHOT

TABLE 209 SKYWORKS SOLUTIONS INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 210 SKYWORKS SOLUTIONS INC.: PRODUCT LAUNCHES

TABLE 211 SKYWORKS SOLUTIONS INC.: DEALS

11.2.8 MURATA MANUFACTURING CO., LTD.

TABLE 212 MURATA MANUFACTURING CO., LTD.: BUSINESS OVERVIEW

FIGURE 52 MURATA MANUFACTURING CO., LTD.: COMPANY SNAPSHOT

TABLE 213 MURATA MANUFACTURING CO., LTD.:
PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 214 MURATA MANUFACTURING CO., LTD.: PRODUCT LAUNCHES

TABLE 215 MURATA MANUFACTURING CO., LTD.: DEALS

11.2.9 NORDIC SEMICONDUCTOR

TABLE 216 NORDIC SEMICONDUCTOR: BUSINESS OVERVIEW

FIGURE 53 NORDIC SEMICONDUCTOR: COMPANY SNAPSHOT

TABLE 217 NORDIC SEMICONDUCTOR: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 218 NORDIC SEMICONDUCTOR: PRODUCT LAUNCHES

TABLE 219 NORDIC SEMICONDUCTOR: DEALS

11.2.10 SEMTECH

TABLE 220 SEMTECH: BUSINESS OVERVIEW

FIGURE 54 SEMTECH: COMPANY SNAPSHOT

TABLE 221 SEMTECH: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 222 SEMTECH: PRODUCT LAUNCHES

TABLE 223 SEMTECH: DEALS

*Business Overview, Products/Solutions/Services Offered, Recent Developments, and MnM View might not be captured in case of unlisted companies.

11.3 INNOVATORS

11.3.1 ENOCEAN GMBH

11.3.2 ESPRESSIF SYSTEMS (SHANGHAI) CO., LTD.

11.3.3 CEVA, INC.

11.3.4 SEMICONDUCTOR COMPONENTS INDUSTRIES, LLC

11.3.5 PERASO TECHNOLOGIES INC.

11.3.6 PANASONIC HOLDINGS CORPORATION

11.3.7 BEHR TECHNOLOGIES INC.

11.3.8 MEIG SMART TECHNOLOGY

11.3.9 NEOWAY TECHNOLOGY

11.3.10 XIAMEN CHEERZING IOT TECHNOLOGY CO., LTD

12 APPENDIX

12.1 DISCUSSION GUIDE

12.2 KNOWLEDGESTORE: MARKETSDANDMARKETS' SUBSCRIPTION PORTAL

12.3 CUSTOMIZATION OPTIONS

12.4 RELATED REPORTS

12.5 AUTHOR DETAILS

About

According to the new market research report "Wireless Connectivity Market by Connectivity Technology (Wi-Fi, Bluetooth Classic, Bluetooth Smart, NFC, ZigBee, Z-Wave, GNSS, LTE Cat-M1, NB-IoT, LoRa, Sigfox), Type (WLAN, WPAN, LPWAN), and Geography - Global Forecast to 2023", the market is expected to grow from USD 50.96 Billion in 2018 to USD 95.66 Billion by 2023, at a CAGR of 13.42% between 2018 and 2023.

Major players in the wireless connectivity market include

Qualcomm (US)

Intel (US)

Broadcom (US)

MediaTek (Taiwan)

Texas Instruments (US)

Cypress Semiconductor (US)

NXP Semiconductors (Netherlands)

STMicroelectronics (Switzerland)

Microchip (US)

EnOcean (Germany)

NEXCOM (Taiwan)

Skyworks Solutions (US)

Murata Manufacturing (Japan)

Marvell Technology (US)

Quantenna Communications (US)

Renesas Electronics (Japan)

Nordic Semiconductor (Norway)

CEVA (US)

Espressif Systems (China)

Peraso Technologies (Canada)

The growth of the wireless connectivity market is driven by the advancements in the telecommunications industry and high adoption of smartphones, increased demand for wireless sensor networks for creating smart infrastructure, increased demand for low-power wide-area (LPWA) networks in IoT applications, significant increase in the internet penetration rate, and rise in the adoption of IoT. Moreover, significant financial support from governments across the world for R&D in the Internet of Things, emerging needs for cross-domain applications, and proliferation of Wi-Fi as wireless connectivity standard in consumer and enterprise sectors are some major opportunities for the growth of the market.

The market for Wi-Fi technology expected to register the largest shipment between 2018 and 2023.

The demand for Wi-Fi-enabled connected home devices such as video doorbells, thermostats, lighting solutions, smart TVs, refrigerators, washing machines, and music systems are increasing. The use of Wi-Fi in consumer electronics has enabled users to control the devices. In addition, the increase in the penetration of smartphones in the middle-class population in emerging economies, such as India, Indonesia, and other Southeast Asian countries, is boosting the growth of the market for connected devices based on Wi-Fi technology. All these factors are helping the growth of the market for chipsets based on Wi-Fi technology.

The market for LPWAN-enabled chipsets is expected to grow at the highest CAGR during the forecast period.

The growing use of low-power long-range M2M connectivity solutions in smart city and smart metering applications is expected to drive the growth of the market for LPWAN technology during the forecast period. Sigfox and LoRa are expected to be the dominant LPWAN technologies in Europe and North America, while developing countries of Asia Pacific are likely to witness the high adoption of NB-IoT technology for smart city projects.

APAC expected to hold the largest size of the wireless connectivity market between 2018 and 2023

This growth of wireless connectivity in Asia Pacific is attributed to the growing adoption of smartphones and other connected consumer electronics products, such as smart TVs and smart lighting solutions. Moreover, the new announcement of smart city projects in developing countries such as India and China, wherein advanced technologies such as the Internet of Things (IoT), machine-to-machine communication (M2M) are likely to be employed in different applications, is expected to drive the growth of wireless connectivity market in Asia Pacific during the forecast period.

I would like to order

Product name: Wireless Connectivity Market by Connectivity (Wi-Fi, Bluetooth Classic, Bluetooth 4X, Bluetooth 5X, ZigBee, Z-Wave, UWB, NFC, Thread, GNSS, Cellular, EnOcean, Sigfox, LoRa, LTE Cat-M1, NB-IoT), End-use and Region - Global Forecast to 2027

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