

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

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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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