Wireless Data Communication Market Research Report - Global Forecast till 2023

Report / Search Code: MRFR/ICT/0612-HCRR       Publish Date: May, 2019

Price

1-user PDF : $ 4450.0
Enterprise PDF : $ 6250.0

Description:

Global Wireless Data Communication Market Research Report, By Component (Hardware, Services), Type (Wireless Local Area Network, Satellite, LPWAN), Technology (Wi-Fi, Bluetooth, Zigbee, 2G/3G, NFC), Vertical (Consumer Electronics)— Forecast till 2023

Market Synopsis of Global Wireless Data Communication Market

Market Scenario

The wireless data communication market is projected to grow from USD 794.6 million in 2018 to USD 1867.8 million by 2023, at a CAGR of 18.6% The growing penetration of cellular systems and increasing demand of wireless data services for exchanging information across the globe are the major factors driving the global wireless data communication market.

The advent of advanced cell phones, tablets and high-tech hand-held devices connected to wireless network is considered as game changer in the growth the wireless data communication market. The main aim to deploy these digital devices helps to improve interfaces in real-time web surfing and applications have significantly increased data usage over wireless networks.

Furthermore, widespread use of unified communication platforms by various small & large organizations to save time and recede distance barriers through seamless mobile connectivity helps to create avenues for the wireless communication market. However, technical issues related to connectivity and network may pose a challenge to the wireless communication market growth. In addition, lack of infrastructure in rural areas is also expected to negatively impact market growth.

Key Players

Some of the key players of global wireless data communication market includes Qualcomm(US), AT&T(US), Verizon Wireless(US), Cisco(US), D-Link(US), Google(US), Huawei Technologies (China), Intel(US), Texas Instruments(US), Cypress Semiconductor(US), NXP Semiconductor(Netherlands), EnOcean(Germany), Broadcom(US), STMicroelectronics(Switzerland), Microchip(US), Murata Manufacturing(Japan), Marvel Technology(US), among others.

Segmentation

The global wireless data communication market is segmented on the basis of component, technology, type, application, vertical & region. Based on component, the market has been segmented into hardware and services. Based on technology the market is segmented into Wi-Fi, Bluetooth, Zigbee, NFC, 2G/3G, LTE, Lora, Other. Based on type the market is segmented into Wireless Local Area Network, Wireless Personal Area Network, Satellite, Low Power Wide Area Network & Cellular M2M. Based on vertical, the market is segmented into IT/Telecom, Consumer...
Electronics, Automotive, Aerospace & Defense, Healthcare and Others.

By component, the wireless data communication market is segmented into hardware & services. The segmentation, by hardware, includes the networking devices like switches, hubs, access points, routers, gateway and others. Whereas, segmentation by services, professional is estimated to lead the market in 2018. The managed services are expected to grow with a fastest rate during the forecasted period, due to the increase in the adoption by various large enterprises.

By technology, the market of wireless data communication is segmented into Wi-Fi, Bluetooth, Zigbee, NFC, 2G/3G, LTE, Lora, Other. According to the MRFR study, the Wi-Fi technology is expected to grow at significantly among others during the assessment period (2018—2023) due to the growth of Wi-Fi enabled connected devices such as smart refrigerators, smart TVs, washing machines, and others. In addition, the proliferation of Wi-Fi technology in consumer devices allows users to control the devices remotely. In this regard, these features of Wi-Fi technology led to increase in the demand of this market.

The rising need for reliable network for the continuous seamless connectivity and expansion of 3G, 4G network services are some of the factors that are responsible for driving the wireless data communication market. However, technical issues of the network connectivity and security concerns related to the wireless connection are some of the factors which may hamper this market during the forecast period (2018—2023).

On October 2018, Marvell Technology announced about its network platform 802.11ax which is designed to improve performance and reliability for the seamless upload and download of data in the user dense areas, including home, workplace, automobile, stadiums, public venues, and others.

Regional Analysis

The geographical analysis of the global wireless data communication market is studied for North America, Europe, Asia-Pacific, and the rest of the world.

North-America is dominating the global wireless data communication market during the forecast period (2018—2023) due to the presence of major key players of this market such as Qualcomm, AT&T, Verizon wireless, Cisco, Google, Intel, and others in this region. The other factors that are responsible for the growth in the demand of wireless data communication market is the presence of early technology adopters and high investment in the research and development department for the advancements in the wireless technologies by the countries such as US and Canada in this region.

Asia-Pacific is expecting to reach highest CAGR during the forecast period (2018—2023) due to increased adoption of connected devices and digital technologies such as smartphone devices, laptops, tablets, and others in countries such as China and India.

Target Audience

- Original equipment manufacturers (OEMs)
- Research institutes
- Market research and consulting firms
- Forums, alliances, and associations
- Technology investors
- Governments and financial institutions
- Analysts and strategic business planners
- End users
- Raw material and manufacturing equipment suppliers
4.1.1 Threat of New Entrants
4.1.2 Bargaining power of buyers
4.1.3 Threat of substitutes
4.1.4 Segment rivalry
4.1.5 Bargaining power of suppliers

4.2 Value Chain/Supply Chain of Global Wireless Data Communication Market

5 Industry Overview of Global Wireless Data Communication Market
5.1 Introduction
5.2 Growth Drivers
5.3 Impact analysis
5.4 Market Challenges

6 Market Trends
6.1 Introduction
6.2 Growth Trends
6.3 Impact analysis

7. Global Wireless Data Communication Market by Component
7.1 Introduction
7.2 Hardware
7.2.1 Market Estimates & Forecast, 2018-2023
7.2.2 Market Estimates & Forecast by Region, 2018-2023
7.2.3 Switches
7.2.3.1 Market Estimates & Forecast, 2018-2023
7.2.3.2 Market Estimates & Forecast by Region, 2018-2023
7.2.4 Hubs
7.2.4.1 Market Estimates & Forecast, 2018-2023
7.2.4.2 Market Estimates & Forecast by Region, 2018-2023
7.2.5 Access Points
7.2.5.1 Market Estimates & Forecast, 2018-2023
7.2.5.2 Market Estimates & Forecast by Region, 2018-2023
7.2.6 Routers
7.2.6.1 Market Estimates & Forecast, 2018-2023
7.2.6.2 Market Estimates & Forecast by Region, 2018-2023
7.2.7 Gateway
7.2.7.1 Market Estimates & Forecast, 2018-2023
7.2.7.2 Market Estimates & Forecast by Region, 2018-2023
7.2.8 Others
7.2.8.1 Market Estimates & Forecast, 2018-2023
7.2.8.2 Market Estimates & Forecast by Region, 2018-2023
7.3 Services
7.3.1 Market Estimates & Forecast, 2018-2023
7.3.2 Market Estimates & Forecast by Region, 2018-2023
7.3.3 Professional Service
7.3.3.1 Market Estimates & Forecast, 2018-2023
7.3.3.2 Market Estimates & Forecast by Region, 2018-2023
7.3.4 Managed Service
7.3.4.1 Market Estimates & Forecast, 2018-2023
7.3.4.2 Market Estimates & Forecast by Region, 2018-2023
8. Global Wireless Data Communication Market by Type

8.1 Introduction

8.2 Wireless Local Network (WLAN)
8.2.1 Market Estimates & Forecast, 2018-2023
8.2.2 Market Estimates & Forecast by Region, 2018-2023

8.3 Wireless Personal Area Network (WPAN)
8.3.1 Market Estimates & Forecast, 2018-2023
8.3.2 Market Estimates & Forecast by Region, 2018-2023

8.4 Satellite
8.4.1 Market Estimates & Forecast, 2018-2023
8.4.2 Market Estimates & Forecast by Region, 2018-2023

8.5 Low Power Wide Area Network
8.5.1 Market Estimates & Forecast, 2018-2023
8.5.2 Market Estimates & Forecast by Region, 2018-2023

8.6 Cellar M2M
8.6.1 Market Estimates & Forecast, 2018-2023
8.6.2 Market Estimates & Forecast by Region, 2018-2023

9. Global Wireless Data Communication Market by Technology

9.1 Introduction

9.2 Wi-Fi
9.2.1 Market Estimates & Forecast, 2018-2023
9.2.2 Market Estimates & Forecast by Region, 2018-2023

9.3 Bluetooth
9.3.1 Market Estimates & Forecast, 2018-2023
9.3.2 Market Estimates & Forecast by Region, 2018-2023

9.4 Zigbee
9.4.1 Market Estimates & Forecast, 2018-2023
9.4.2 Market Estimates & Forecast by Region, 2018-2023

9.5 NFC
9.5.1 Market Estimates & Forecast, 2018-2023
9.5.2 Market Estimates & Forecast by Region, 2018-2023

9.6 2G/3G
9.6.1 Market Estimates & Forecast, 2018-2023
9.6.2 Market Estimates & Forecast by Region, 2018-2023

9.7 LoRa
9.7.1 Market Estimates & Forecast, 2018-2023
9.7.2 Market Estimates & Forecast by Region, 2018-2023

9.8 Others
9.8.1 Market Estimates & Forecast, 2018-2023
9.8.2 Market Estimates & Forecast by Region, 2018-2023

10. Global Wireless Data Communication Market by Vertical

10.1 Introduction

10.2 IT/Telecom
10.2.1 Market Estimates & Forecast, 2018-2023
10.2.2 Market Estimates & Forecast by Region, 2018-2023

10.3 Consumer Electronics
10.3.1 Market Estimates & Forecast, 2018-2023
10.3.2 Market Estimates & Forecast by Region, 2018-2023
10.4 Automotive
10.4.1 Market Estimates & Forecast, 2018-2023
10.4.2 Market Estimates & Forecast by Region, 2018-2023
10.5 Aerospace & Defense
10.5.1 Market Estimates & Forecast, 2018-2023
10.5.2 Market Estimates & Forecast by Region, 2018-2023
10.6 Healthcare
10.6.1 Market Estimates & Forecast, 2018-2023
10.6.2 Market Estimates & Forecast by Region, 2018-2023
10.7 Others
10.7.1 Market Estimates & Forecast, 2018-2023
10.7.2 Market Estimates & Forecast by Region, 2018-2023

11. Global Wireless Data Communication Market by Region
11.1 Introduction
11.2 North America
11.2.1 Market Estimates & Forecast, 2018-2023
11.2.2 Market Estimates & Forecast by Component, 2018-2023
11.2.3 Market Estimates & Forecast by Type, 2018-2023
11.2.4 Market Estimates & Forecast by Technology, 2018-2023
11.2.5 Market Estimates & Forecast by Vertical, 2018-2023
11.2.6 U.S.
11.2.6.1 Market Estimates & Forecast, 2018-2023
11.2.6.2 Market Estimates & Forecast by Component, 2018-2023
11.2.6.3 Market Estimates & Forecast by Type, 2018-2023
11.2.6.4 Market Estimates & Forecast by Technology, 2018-2023
11.2.6.5 Market Estimates & Forecast by Vertical, 2018-2023
11.2.7 Canada
11.2.7.1 Market Estimates & Forecast, 2018-2023
11.2.7.2 Market Estimates & Forecast by Component, 2018-2023
11.2.7.3 Market Estimates & Forecast by Type, 2018-2023
11.2.7.4 Market Estimates & Forecast by Technology, 2018-2023
11.2.7.5 Market Estimates & Forecast by Vertical, 2018-2023
11.3 Europe
11.3.1 Market Estimates & Forecast, 2018-2023
11.3.2 Market Estimates & Forecast by Component, 2018-2023
11.3.3 Market Estimates & Forecast by Type, 2018-2023
11.3.4 Market Estimates & Forecast by Technology, 2018-2023
11.3.5 Market Estimates & Forecast by Vertical, 2018-2023
11.3.6 Germany
11.3.6.1 Market Estimates & Forecast, 2018-2023
11.3.6.2 Market Estimates & Forecast by Component, 2018-2023
11.3.6.3 Market Estimates & Forecast by Type, 2018-2023
11.3.6.4 Market Estimates & Forecast by Technology, 2018-2023
11.3.6.5 Market Estimates & Forecast by Vertical, 2018-2023
11.3.7 France
11.3.7.1 Market Estimates & Forecast, 2018-2023
11.3.7.2 Market Estimates & Forecast by Component, 2018-2023
11.3.7.3 Market Estimates & Forecast by Type, 2018-2023
11.3.7.4 Market Estimates & Forecast by Technology, 2018-2023
11.3.7.5 Market Estimates & Forecast by Vertical, 2018-2023
11.3.8 U. K
11.3.8.1 Market Estimates & Forecast, 2018-2023
11.3.8.2 Market Estimates & Forecast by Component, 2018-2023
11.3.8.3 Market Estimates & Forecast by Type, 2018-2023
11.3.8.4 Market Estimates & Forecast by Technology, 2018-2023
11.3.8.5 Market Estimates & Forecast by Vertical, 2018-2023
11.4 Asia-Pacific
11.4.1 Market Estimates & Forecast, 2018-2023
11.4.2 Market Estimates & Forecast by Component, 2018-2023
11.4.3 Market Estimates & Forecast by Type, 2018-2023
11.4.4 Market Estimates & Forecast by Technology, 2018-2023
11.4.5 Market Estimates & Forecast by Vertical, 2018-2023
11.4.6 China
11.4.6.1 Market Estimates & Forecast, 2018-2023
11.4.6.2 Market Estimates & Forecast by Component, 2018-2023
11.4.6.3 Market Estimates & Forecast by Type, 2018-2023
11.4.6.4 Market Estimates & Forecast by Technology, 2018-2023
11.4.6.5 Market Estimates & Forecast by Vertical, 2018-2023
11.4.7 India
11.4.7.1 Market Estimates & Forecast, 2018-2023
11.4.7.2 Market Estimates & Forecast by Component, 2018-2023
11.4.7.3 Market Estimates & Forecast by Type, 2018-2023
11.4.7.4 Market Estimates & Forecast by Technology, 2018-2023
11.4.7.5 Market Estimates & Forecast by Vertical, 2018-2023
11.4.8 Japan
11.4.8.1 Market Estimates & Forecast, 2018-2023
11.4.8.2 Market Estimates & Forecast by Component, 2018-2023
11.4.8.3 Market Estimates & Forecast by Type, 2018-2023
11.4.8.4 Market Estimates & Forecast by Technology, 2018-2023
11.4.8.5 Market Estimates & Forecast by Vertical, 2018-2023
11.4.9 Rest of Asia-Pacific
11.4.9.1 Market Estimates & Forecast, 2018-2023
11.4.9.2 Market Estimates & Forecast by Component, 2018-2023
11.4.9.3 Market Estimates & Forecast by Type, 2018-2023
11.4.9.4 Market Estimates & Forecast by Technology, 2018-2023
11.4.9.5 Market Estimates & Forecast by Vertical, 2018-2023
11.7 Rest of the World
11.7.1 Market Estimates & Forecast, 2018-2023
11.7.2 Market Estimates & Forecast by Component, 2018-2023
11.7.3 Market Estimates & Forecast by Type, 2018-2023
11.7.4 Market Estimates & Forecast by Technology, 2018-2023
11.7.5 Market Estimates & Forecast by Vertical, 2018-2023
11.7.6 The Middle East & Africa
11.7.6.1 Market Estimates & Forecast, 2018-2023
11.7.6.2 Market Estimates & Forecast by Component, 2018-2023
11.7.6.3 Market Estimates & Forecast by Type, 2018-2023
11.7.6.4 Market Estimates & Forecast by Technology, 2018-2023
11.7.6.5 Market Estimates & Forecast by Vertical, 2018-2023

11.7.7 Latin America
11.7.7.1 Market Estimates & Forecast, 2018-2023
11.7.7.2 Market Estimates & Forecast by Component, 2018-2023
11.7.7.3 Market Estimates & Forecast by Type, 2018-2023
11.7.7.4 Market Estimates & Forecast by Technology, 2018-2023
11.7.7.5 Market Estimates & Forecast by Vertical, 2018-2023

12. Company Landscape

13. Company Profiles
13.1 Qualcomm
13.1.1 Company Overview
13.1.2 Product/Business Segment Overview
13.1.3 Financial Updates
13.1.4 Key Developments
13.2 AT&T
13.2.1 Company Overview
13.2.2 Product/Business Segment Overview
13.2.3 Financial Updates
13.2.4 Key Developments
13.3 Verizon Wireless
13.3.1 Company Overview
13.3.2 Product/Business Segment Overview
13.3.3 Financial Updates
13.3.4 Key Developments
13.4 Cisco
13.4.1 Company Overview
13.4.2 Product/Business Segment Overview
13.4.3 Financial Updates
13.4.4 Key Developments
13.5 D-Link
13.5.1 Company Overview
13.5.2 Product/Business Segment Overview
13.5.3 Financial Updates
13.5.4 Key Developments
13.6 Google
13.6.1 Company Overview
13.6.2 Product/Business Segment Overview
13.6.3 Financial Updates
13.6.4 Key Developments
13.7 Huawei Technologies
13.7.1 Company Overview
13.7.2 Product/Business Segment Overview
13.7.3 Financial Updates
13.7.4 Key Developments
13.8 Intel
13.8.1 Company Overview
13.8.2 Product/Business Segment Overview
13.8.3 Financial Updates
13.8.4 Key Developments
13.9 Texas Instruments
13.9.1 Company Overview
13.9.2 Product/Business Segment Overview
13.9.3 Financial Updates
13.9.4 Key Developments
13.10 Cypress Semiconductor
13.10.1 Company Overview
13.10.2 Product/Business Segment Overview
13.10.3 Financial Updates
13.10.4 Key Developments
13.11 NXP Semiconductor
13.11.1 Company Overview
13.11.2 Product/Business Segment Overview
13.11.3 Financial Updates
13.11.4 Key Developments
13.12 Enocean
13.12.1 Company Overview
13.12.2 Product/Business Segment Overview
13.12.3 Financial Updates
13.12.4 Key Developments
13.13 Broadcom
13.13.1 Company Overview
13.13.2 Product/Business Segment Overview
13.13.3 Financial Updates
13.13.4 Key Developments
13.14 STMicroelectronics
13.14.1 Company Overview
13.14.2 Product/Business Segment Overview
13.14.3 Financial Updates
13.14.4 Key Developments
13.15 Microchip
13.15.1 Company Overview
13.15.2 Product/Business Segment Overview
13.15.3 Financial Updates
13.15.4 Key Developments
13.16 Murata Manufacturing
13.16.1 Company Overview
13.16.2 Product/Business Segment Overview
13.16.3 Financial Updates
13.16.4 Key Developments
13.17 Marvel Technology
13.17.1 Company Overview
13.17.2 Product/Business Segment Overview
13.17.3 Financial Updates
13.17.4 Key Developments

14 Conclusion

List of Tables

Table 1 Global Wireless Data Communication Market, by Region, 2018—2023
Table 2 North America: Wireless Data Communication Market, by Country, 2018—2023
Table 3 Europe: Wireless Data Communication Market, by Country, 2018—2023
Table 4 Asia-Pacific: Wireless Data Communication Market, by Country, 2018—2023
Table 7 The Middle East & Africa: Wireless Data Communication Market, by Country, 2018—2023
Table 6 Latin America: Wireless Data Communication Market, by Country, 2018—2023
Table 7 Global Wireless Data Communication Type Market, by Region, 2018—2023
Table 8 North America: Wireless Data Communication Type Market, by Country, 2018—2023
Table 9 Europe: Wireless Data Communication Type Market, by Country, 2018—2023
Table 10 Asia-Pacific: Wireless Data Communication Type Market, by Country, 2018—2023
Table 11 The Middle East & Africa: Wireless Data Communication Type Market, by Country, 2018—2023
Table 12 Latin America: Wireless Data Communication Type Market, by Country, 2018—2023
Table 13 Global Wireless Data Communication Component Market, by Region, 2018—2023
Table 14 North America: Wireless Data Communication Component Market, by Country, 2018—2023
Table 15 Europe: Wireless Data Communication Component Market, by Country, 2018—2023
Table 16 Asia-Pacific: Wireless Data Communication Component Market, by Country, 2018—2023
Table 17 The Middle East & Africa: Wireless Data Communication Component Market, by Country, 2018—2023
Table 18 Latin America: Wireless Data Communication Component Market, by Country, 2018—2023

LIST OF FIGURES

FIGURE 1 Global Wireless Data Communication Market Segmentation
FIGURE 2 Forecast Methodology
FIGURE 3 Porter’s Five Forces Analysis of Global Wireless Data Communication Market
FIGURE 4 Value Chain of Global Wireless Data Communication Market
FIGURE 7 Share of Global Wireless Data Communication Market in 2018, by country (in %)
FIGURE 6 Global Wireless Data Communication Market, 2018-2023,
FIGURE 7 Global Wireless Data Communication Market size by Type, 2018
FIGURE 8 Share of Wireless Data Communication Market by Type, 2018 TO 2023
FIGURE 9 Global Wireless Data Communication Market size by Technology, 2018
FIGURE 10 Share of Wireless Data Communication Market by Technology, 2018 TO 2023
FIGURE 11 Global Wireless Data Communication Market size by Component, 2018
FIGURE 12 Share of Wireless Data Communication Market by Component, 2018 TO 2023
FIGURE 13 Global Wireless Data Communication Market size by Vertical, 2018
FIGURE 14 Share of Wireless Data Communication Market by Vertical 2018 TO 2023