

Mobile and wireless backhaul market: Segmented by Component (Equipment and Services [Designing & Consulting, Integration & Deployment], by Network Type (G, 4G, and 3G & 2G) and Region – Global Analysis of Market Size, Share & Trends for 2019–2020 and Forecasts to 2030

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Abstracts

176+ Pages Research Report Global Mobile and wireless backhaul market to surpass USD 20.5 billion by 2030 from USD 9.2 billion in 2020 at a CAGR of 9.15% in the coming years, i.e., 2021-30.

Product Overview

The practice of linking cell site air interfaces to data centers via wireline and wireless networks is known as mobile backhaul (MBH). It allows for complex network timing, high network and user speeds, and synchronization of operations, administration, maintenance, and provisioning (OAMP). Wireless backhauls, on the other hand, depending on microwave and satellite communication infrastructure to connect nodes to the centralized server and deliver internet, voice, and video data. They're currently getting a lot of traction over wireline networks, which necessitate big macro sites and raise infrastructure costs.

Market Highlights

Global Mobile and wireless backhaul market is expected to project a notable CAGR of 9.15% in 2030.

The Mobile and Wireless Backhaul Market is predicted to rise due to an increase in mobile subscriber count, increased usage of small cells, the success of 4G and 5G, and

the requirement for lower total cost of ownership.

Global Mobile and wireless backhaul market: Segments

Services segment to grow with the highest CAGR during 2020-30

Global Mobile and wireless backhaul market is segmented by Component into Equipment and Services [Designing & Consulting, Integration & Deployment]. During the forecast period, the Services segment of the Mobile and Wireless Backhaul Market is predicted to increase at a faster rate. Services allow for the development of a cost-effective, comprehensive, and programmable backhaul transport solution while lowering expenses and increasing operational efficiency. Mobile and wireless backhaul service providers offer consultancy services for building the most appropriate topologies and network designs to make the transformation of mobile transport networks easier.

4G segment to grow with the highest CAGR during 2020-30

Global Mobile and wireless backhaul is divided by network type into G, 4G, and 3G & 2G. Higher backhaul capacity for cells and the use of Multiple Input Multiple Output (MIMO) antennas to boost the capacity of air interference between towers and User Equipment have all been brought about by 4G LTE (UE). 4G uses frequencies up to 6GHz and has a peak speed of 1 gigabit per second. For IoT connectivity, it provides improvements such as increased peak bandwidth and enhanced energy efficiency. The success of 4G LTE has presented mobile carriers with even bigger hurdles as they aim for increased network capacity, lower latency, and a better user experience.

Market Dynamics

Drivers

Increasing mobile subscribers

Due to increased smartphone penetration and improved connectivity, the number of active internet users around the world is fast expanding. Increased internet connectivity has resulted in an increase in mobile data traffic around the world. The need for network bandwidth has risen dramatically as mobile data traffic has gained traction. Mobile carriers are being obliged to enhance their data transmission techniques in order to meet this demand for increased capacity while also delivering high-quality services. As a result, players in the mobile and wireless backhaul industry have an opportunity to improve their solutions. The market for mobile and wireless backhaul is largely driven by consumer demand.

Demand for network connectivity is increasing as the internet of things is implemented. There has been an explosion of data introduced to networks and data processing as a result of the advent of IoT. The growing demand for IoT-ready networks is likely to offer

telecom service providers with a considerable opportunity. As sensor prices have dropped, IoT sensors are being used more frequently. Various firms are implementing IoT solutions and planning to use IoT to improve their operations in the future. Scalable, low-latency, high-performance, and capacity mobile and wireless backhaul solutions can be a game-changer for IoT implementation. Operators will be able to meet IoT requirements and enable connectivity, as well as exchange data and deduce actions from everyday physical things, with the help of modern backhaul solutions. In the future years, rising need for network connectivity for IoT adoption is likely to drive global market growth.

Restraint

Crunch on the spectrum

The network is poor in high-congestion areas, and free spectrum is insufficient; backhaul and power are also scarce. Radio backhaul is one of the potential answers to this problem; nevertheless, for the proper deployment of small cells, unit size reduction and throughput testing are required. The demand for mobile and wireless backhaul is fast-growing, yet there is no equivalent increase in capacity. High demand for capacity is putting a strain on spectrum availability, causing a shortage. As a result, network operators must devise cost-effective solutions to maximize the use of scarce spectrum. If the issue of poor backhaul is not remedied over time, manufacturers may be forced to look for alternate backhaul options.

Global Mobile and wireless backhaul market: Key Players

Ericsson(Sweden)

Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis

Huawei(China)

Nokia(Finland)

NEC Corporation(Japan)

ZTE(China)

Fujitsu(Japan)

Broadcom(US)

Ceragon(Israel)

Aviat(US)

SIAE(Italy)

Other Prominent Players

Global Mobile and wireless backhaul market: Regions

Global Mobile and wireless backhaul market is segmented based on regional analysis into five major regions. These include North America, Latin America, Europe, Asia Pacific, and the Middle East, and Africa. Global Mobile and wireless backhaul Asia Pacific held the largest market share in the year 2020. The APAC mobile and wireless backhaul market is expected to grow rapidly in the next years. With the steady rise in mobile data traffic, APAC has a lot of promise in terms of backhaul deployments because the region is seeing a lot of spending. Large-scale investments in the telecom business have resulted from the shift in attitude from traditional wired backhaul to wireless lines. The mobile and wireless backhaul market in APAC is predicted to grow rapidly in the future years, thanks to a large number of 5G deployments and steps done by major Asian mobile operators to address the problem of high bandwidth demand.

Global Mobile and wireless backhaul market further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil, and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey, and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia, and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa, and Rest of MENA

Global Mobile and wireless backhaul market report also contains analysis on:

Mobile and wireless backhaul Market Segments:

By Network type:

G

4G

3G

2G

By Component:

Equipment

Services

Designing & Consulting

Integration
Deployment
Mobile and wireless backhaul Dynamics
Mobile and wireless backhaul Size
Supply & Demand
Current Trends/Issues/Challenges
Competition & Companies Involved in the Market
Value Chain of the Market
Market Drivers and Restraints

Mobile and wireless backhaul Market Report Scope and Segmentation

Report Attribute Details

Market size value in 2021 USD 9.2 billion

Revenue forecast in 2030 USD 20.5 billion

Growth Rate CAGR of 9.15% from 2021 to 2030

Base year for estimation 2020

Quantitative units Revenue in USD million and CAGR from 2021 to 2030

Report coverage Revenue forecast, company ranking, competitive landscape, growth factors, and trends

Segments covered Network Type, component, and Region

Regional scope North America; Europe; Asia Pacific; Latin America; Middle East & Africa (MEA)

Key companies profiled Ericsson(Sweden), Huawei(China), Nokia(Finland), NEC Corporation(Japan), ZTE(China), Fujitsu(Japan), Broadcom(US), Ceragon(Israel), Aviat(US), SIAE(Italy), Proxim Wireless(US), Intracom Telecom(Greece), AR RF/Microwave Instrumentation(US), Redline(Canada) and other prominent players

Frequently Asked Questions

How big is the Mobile and wireless backhaul market?

What is the Mobile and wireless backhaul market growth?

Which segment accounted for the largest Mobile and wireless backhaul market share?

Who are the key players in the Mobile and wireless backhaul market?

What are the factors driving the Mobile and wireless backhaul market?

Contents

1. EXECUTIVE SUMMARY

2. GLOBAL MOBILE AND WIRELESS BACKHAUL MARKET

- 2.1. Product Overview
- 2.2. Market Definition
- 2.3. Segmentation
- 2.4. Assumptions and Acronyms

3. RESEARCH METHODOLOGY

- 3.1. Research Objectives
- 3.2. Primary Research
- 3.3. Secondary Research
- 3.4. Forecast Model
- 3.5. Market Size Estimation

4. AVERAGE PRICING ANALYSIS

5. MACRO-ECONOMIC INDICATORS

6. MARKET DYNAMICS

- 6.1. Growth Drivers
- 6.2. Restraints
- 6.3. Opportunity
- 6.4. Trends

7. CORRELATION & REGRESSION ANALYSIS

- 7.1. Correlation Matrix
- 7.2. Regression Matrix

8. RECENT DEVELOPMENT, POLICIES & REGULATORY LANDSCAPE

9. RISK ANALYSIS

9.1. Demand Risk Analysis

9.2. Supply Risk Analysis

10. GLOBAL MOBILE AND WIRELESS BACKHAUL MARKET ANALYSIS

10.1. Porters Five Forces

10.1.1. Threat of New Entrants

10.1.2. Bargaining Power of Suppliers

10.1.3. Threat of Substitutes

10.1.4. Rivalry

10.2. PEST Analysis

10.2.1. Political

10.2.2. Economic

10.2.3. Social

10.2.4. Technological

11. GLOBAL MOBILE AND WIRELESS BACKHAUL MARKET

11.1. Market Size & forecast, 2020A-2030F

11.1.1. By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

11.1.2. By Volume (Million Units) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12. GLOBAL MOBILE AND WIRELESS BACKHAUL MARKET: MARKET SEGMENTATION

12.1. By Regions

12.1.1. North America:(U.S. and Canada), By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.1.2. Latin America: (Brazil, Mexico, Argentina, Rest of Latin America), By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.1.3. Europe: (Germany, UK, France, Italy, Spain, BENELUX, NORDIC, Hungary, Poland, Turkey, Russia, Rest of Europe), By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.1.4. Asia-Pacific: (China, India, Japan, South Korea, Indonesia, Malaysia, Australia, New Zealand, Rest of Asia Pacific), By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.1.5. Middle East and Africa: (Israel, GCC, North Africa, South Africa, Rest of Middle East and Africa), By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.2. By network type: Market Share (2020-2030F)

12.2.1. G, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.2.2. 4G, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.2.3. 3G, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.2.4. 2G , By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.3. By component: Market Share (2020-2030F)

12.3.1. Equipment, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%)
2021-2030F

12.3.2. Services, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

13. COMPANY PROFILE

13.1. Ericsson(Sweden)

13.1.1. Company Overview

13.1.2. Company Total Revenue (Financials)

13.1.3. Market Potential

13.1.4. Global Presence

13.1.5. Key Performance Indicators

13.1.6. SWOT Analysis

13.1.7. Product Launch

13.2. Huawei(China)

13.3. Nokia(Finland)

13.4. NEC Corporation(Japan)

13.5. ZTE(China)

13.6. Fujitsu(Japan)

13.7. Broadcom(US)

13.8. Ceragon(Israel)

13.9. Aviat(US)

13.10. SIAE(Italy)

13.11. Other Prominent Players

Consultant Recommendation

**The above-given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.

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