+44 20 8123 2220
info@marketpublishers.com

Small Cell Backhaul Market by Access Technology Generation (2G, 3G, and 4G/LTE), by Backhaul Technology (Copper, Fiber, Millimeter wave, Microwave, Sub-6 GHz, and Satellite) - Worldwide Market Forecasts and Analysis (2014 – 2019)

https://marketpublishers.com/r/S573F0B278BEN.html
Date: May 2014
Pages: 170
Price: US$ 5,650.00 (Single User License)
ID: S573F0B278BEN

Abstracts

Small cell backhaul solution refers to a set of equipments and services utilized to build a high capacity 3G/4G/LTE network for reliable communication infrastructure. The small cell technology solutions help operators to complement their existing network infrastructure by adding capacity with widespread coverage, supporting increased data traffic with no dropped calls, and high-speed data connections. Overall, it supports global operators to deal with multiple factors such as, coverage, capacity, scalability, security, and quality of service. Small cell backhaul solutions have emerged along with the macro-cellular environment they reinforce. They support the sophistication of available communication network infrastructure to suit the changing customer needs and business models enabling efficient delivery of high-speed data services.

Small cells enable ubiquitous, voice, and data communication services around the world and the backhaul solutions provide a foundation to ensure effective operability of network communication systems. The small cell backhaul solutions deliver operational simplicity for increased cell sites through a dependable, scalable infrastructure. In the small cell backhaul market report, MarketsandMarkets segments the market on the basis of access technology generation, transmission medium, backhaul technology, services, and regions.

Network operators are leveraging the small cell technology to support the increasing volume of wireless data traffic thus, enriching user experience and reducing churn. Small cells deployment is easing pressure on existing macro cells network by providing

+44 20 8123 2220
info@marketpublishers.com

traffic offload and efficient use of limited spectrum frequencies. But, along with small cells efficient backhaul network is also required to carry the huge bandwidth of data and support the delivery of operator's services. The report analyzes the adoption of the backhaul solutions across the indoor and outdoor small cell deployments.

The small cell backhaul market is segmented by access technology generation into 2G, 3G, and 4G/LTE. The backhaul solutions are being adopted by network operators to complement the access technologies and cater to the surging data and speed demands caused due to the mobile technology penetration and rapid uptake of smart phones, tablets, netbooks, and other handheld devices.

Vendors around the world are utilizing their core expertise to design and provide customized backhaul solutions leveraging on wired or wireless transmission medium. Traditionally, wired backhaul solutions utilizing copper and fiber technology were used but with operators providing network coverage in far flung areas, wireless backhaul solutions have emerged to be the preferred choice. Wireless backhaul solutions are cost effective and efficient in connecting small cells base stations in remote areas, helping operators boost their network coverage and capacity to meet the surging data demand. The report analyzes the adoption of these solutions based on the transmission medium employed.

Global operators are strategically analyzing the small cell backhauling techniques for their existing as well as newly build networks to ensure pervasive coverage and increased capacity for their subscribers. With the advent of technology, a range of backhaul solutions utilizing millimeter wave (30 - 300 GHz), microwave (6 - 60 GHz), Sub-6 GHz (less than 6 GHz), and satellite frequency ranges along with the conventional copper and fiber solutions are available. The report analyzes the adoption of these backhaul technologies as no one solution is the best suit across all small cell deployments.

The small cell backhaul market is segmented on the basis of services into network, integration, and professional services. Network services include small cell network planning, deployment, optimization, and maintenance. The network services help in effective and efficient deployment of backhaul solutions, and streamline the integration process. To make a best-fit solution available to operators, integration services are also being offered by backhaul solution vendors. Professional services include training and consulting services to operators enabling access to industry expertise. In the competitive small cell backhaul ecosystem, the market players are investing in acquisitions and new technologies to offer innovative value additions to their existing

+44 20 8123 2220
info@marketpublishers.com

product portfolio. The report analyses the small cell backhaul deployment on the basis of above services.

The report also analyzes the small cell backhaul market for the regions of North America (NA), Europe (EU), Asia-Pacific (APAC), Middle East and Africa (MEA), and Latin America (LA). MarketsandMarkets has assumed certain factors related to economy, technological development, investment, market saturation, and government regulations among others for market sizing and forecasting.

+44 20 8123 2220
info@marketpublishers.com

Contents

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

About

Small cell backhaul refers to the link providing connectivity between the small cells and the core/centralized network node (mobile telephone switching office or internet service provider), and is deployed for reliable, efficient transportation of traffic. The small cell backhaul solutions deliver operational simplicity for increased cell sites through a dependable, scalable infrastructure. Various backhaul solutions are designed to suit the small cell deployment location, to address the traffic capacity demands and to deliver enhanced communication experience. The traditional ways of backhauling are becoming obsolete because of scalability, capacity, alignment simplicity, and flexibility required for small cells. The shift in cell phone usage patterns and intense demand for

data services is loading the network access infrastructure asserting use of small form factor base stations and effective backhaul traffic routing. With operators keen on enriching the quality of experience, and thus retaining customers, the demand for small cell backhaul solutions is increasing. These solutions address the increased capacity requirements and provide ubiquitous access to information and communication services.

As mobile operators consider deployment of small cells for complementing the existing macro cell network infrastructure to enhance the coverage and capacity, they are strategically analyzing the small cell backhaul solutions. While operators look forward to availing customized and cost-effective solutions, the small cell backhaul solution providers are designing and developing agile solutions with robust capabilities to extend support for large deployments and offer an end-to-end solution to mobile operators. The small cell backhaul ecosystem players are consolidating their position in the highly competitive market through mergers, technology acquisitions, and partnerships, to build good-for-all-requirements solutions and attain better market visibility.

MarketsandMarkets believes that the changing user behavior and capacity evolution, along with the inclusion of quality of experience attributed to quality of service are propelling the growth in the small cell backhaul market.

Though the adoption of these solutions is gradual, due to concerns about Total Cost of Ownership (TCO), small cell deployment location, trained labor, and spectrum availability, these solutions are destined to witness wide acceptance across the globe.

+44 20 8123 2220
info@marketpublishers.com

The convenience of small form factor, street level coverage, and increased capacity provisioning that the small cell technology provides is expected to bring more demand for these solutions. To serve an audience with different solution requirements, the small cell backhaul solution providers and their industry partners are comprehending the small cell deployment scenarios to develop a range of solutions that suit the set of requirements encompassing network topology and architecture, coverage and capacity, cost and power consumption. The amalgamation of backhaul solutions with the small cell network infrastructure will improve the spectrum utilization, enhance delivery of information and communication services, and enrich the user experience.

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: Small Cell Backhaul Market by Access Technology Generation (2G, 3G, and 4G/LTE), by Backhaul Technology (Copper, Fiber, Millimeter wave, Microwave, Sub-6 GHz, and Satellite) - Worldwide Market Forecasts and Analysis (2014 – 2019)

Product link: https://marketpublishers.com/r/S573F0B278BEN.html

Price: US$ 5,650.00 (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/S573F0B278BEN.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

Custumer 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

+44 20 8123 2220
info@marketpublishers.com

and fax the completed form to +44 20 7900 3970