Heterogeneous Network Market Research Report – Global Forecast to 2023

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Description:

Global Heterogeneous Network Market, By Deployment (Cells in Hotspot, Macro Pico, Macro Femto, Macro & Small Cell), By Component (Macro Base Station, Small Cells, Distributed Antenna System, Wi-Fi Access Point) By Technology (enhanced Intercell Interface Coordination (eICIC), LTE WAN, C - RAN) By End - Users (Telecommunication, Commercial, Residential, Transportation, Government).

Market Synopsis of Global Heterogeneous Network Market

The global heterogeneous network market comprises of some of the key players and other vendors such as Airhop Communications Inc (U.S.), Nokia Networks (Finland), Samsung Electronics Co., Ltd (South Korea), Texas Instruments Inc (U.S.), NEC Corporation (Japan), Ruckus Wireless, Inc (U.S.), IP access Limited (U.K.), Ceragon Networks Ltd (Israel), TE Connectivity (Switzerland), CommScope Inc (U.S.) among others. The competitive landscape is formed by some of the prominent key players which continuously keep innovating in research and development to produce a cost effective portfolio.

The factors that drive the growth of heterogeneous network market is the increased number of mobile broadband data subscribers and limited resources. A heterogeneous network is the network of computer and other devices connected with each other across different operating systems and protocols. The mobile data operators comply with the challenge of limited resources by increasing the capacity of radio spectrum, adding different multi-level antenna techniques and implementing more efficient and coding techniques. Another factor that dominates the growth of heterogeneous network market is the growth of data over the cellular networks increasing significantly as mobile users download more video, transfer more data and majorly use smartphones as their main device for mobile communications. A major benefit of wireless heterogeneous network in small cells is to provide the basic requirement to increase the capacity of spectrum in high demand areas and also in the areas where the macro network is not able to provide coverage. Also, these improve network performance by off-loading some of the traffic from the macro networks.

The market for global heterogeneous network is segmented on the basis of deployment, component, technology, end users and by region. On the basis of mode of deployment, the market is segmented as Cells in hotspot, macro Pico, macro Femto, and Macro & Small Cell. By using cells in a hotspot, the spectrum is reused via cell splitting. It also provides a benefit of additional low power nodes, localized interference in small coverage areas in dense user location. Among the segments, Macro Pico and Macro Femto are the widely used for heterogeneous networks. However the combination of Macro and small cells is expected to grow significantly during the forecasted period. This is because of the use of the LTE or Wi-Fi differently or at the same time.
Source: Market Research Future Analysis

On the basis of components, the market is segmented under Macro Base stations, Small Cells, Distributed Antenna Systems (DAS) and Wi-Fi access points. On the basis of technology, the segmentation is done under enhanced Intercell Interference coordinator (eICIC), LTE WAN, and Cloud RAN. The primary benefit of virtualization of the core network into the cloud is to lower the overall cost of the RAN to improve efficiencies and higher usage of processing resources, reducing the cost of maintenance and operations.

The market for heterogeneous network is also segmented on the basis of region under North America, Europe, and Asia Pacific and Rest of the world. Out of these, the North America accounts for the larger share of the market. This is due to advancements in the mobile communication technology that are accounting for the growth of cloud services. Asia Pacific follows the market leader due to the increased usage of mobile communications and internet penetration from mobile devices for data downloading such as audio and video files increasing the mobile broadband traffic.

The global heterogeneous network market is expected to reach approximately USD 34 Billion by the end of 2023 with 15 % CAGR during the forecasted period from 2017 – 2023.

Segments
For the purpose of this study, Market Research Future has segmented the market of global heterogeneous network market into deployment, components, technology, end users and region.

Deployment
- Cells in Hotspot
- Macro Pico
- Macro Femto
- Macro & Small Cell

Components
- Macro Base Station
- Small Cells
- Distributed Antenna System
- Wi-Fi Access Point

Technology
- enhanced Intercell Interface Coordination (eICIC)
- LTE WAN
- C - RAN

Industry Vertical
- Telecommunication
- Commercial
- Residential
- Transportation
- Government
- Others
Region
- North America
- Europe
- Asia Pacific
- Rest of the world.

Intended Audience
- Storage providers
- Network providers
- Security solutions providers
- Research firms
- Software investors
- Software Developers
- Network security providers
- OEM’s
- Software Testers
- IT enablers
- Database solutions
- Cloud providers
- Telecommunication companies

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