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Small Cell 5G Network Market by Component (Solutions and Services), Radio Technology (5G NR (Standalone and Non-standalone)), Cell Type (Picocells, Femtocells, and Microcells), Deployment Mode, End User, and Region - Global Forecast to 2025

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Abstracts

Growth in the mobile data traffic is the major growth driver for the global small cell 5G network market

The global small cell 5G network market size is expected to grow from USD 626 million in 2020 to USD 2,413 million by 2025, at a Compound Annual Growth Rate (CAGR) of 31.0% during the forecast period.The major growth drivers for the market include the growth in the mobile data traffic, the emergence of Citizens Broadband Radio Services (CBRS) band, and lower Capital Expenditure (CAPEX). However, the poor backhaul connectivity mayrestrain the market growth.

Femtocells segment to constitute the largest market size during the forecast period

The femtocells segment is the biggest contributor to the small cell 5G network market. The increasing data traffic on mobile networks and the growing need for high bandwidth spectrum are the prime factors that are expected to boost the adoption of small cells in the indoor segment by deployment mode.

Among endusers, the telecom operatorssegment to hold a larger market size during the forecast period

On the basis ofendusers, the telecom operatorssegment is expected to hold a larger market size in the small cell 5G network market during the forecast period. Nowadays,

telecom companies are more focused on providing 5G services under sub 6GHz for delivering enhanced mobile broadband services. In addition, they are aggressive to provide Internet of Things (IoT) and low latency communication services on mmWave or higher frequency bands, which would play an important role in accelerating the growth of small cell deployment in the 5G network.

Asia Pacificto grow at the highest CAGR during the forecast period

Asia Pacific (APAC)is expected to provide significant growth opportunities for thesmall cell 5G network vendorsduring the forecast period.The large population in APAC has created an extensive pool of mobile subscribers for telecom companies. It is the largest contributor to the total number of mobile subscribers across the globe and expected to add more subscribers to its network in the coming years. It is a diversified region, which houses a wide range of countries moving toward digital transformation. It is set to dominate small cell 5G deployments, due to its size, diversity, and the logical lead taken by countries, including South Korea, China, and Japan.

In-depth interviews were conducted with Chief Executive Officers (CEOs), marketing directors, innovation and technology directors, and executives from various key organizations operating in the small cell 5G network market.

The breakdown of the profiles of the primary participants is given below:

By Company: Tier 1 – 35%, Tier 2 – 40%, and Tier 3 – 25%

By Designation: C-Level Executives – 65%, Managers – 35%

By Region: North America – 30%, Europe – 435%, APAC – 25%, and RoW –10%

The following key vendors are profiled in the report:

Ericsson (Sweden)

Huawei (China)

ZTE (China)

Cisco (US)

NEC (Japan)

Nokia (Finland)

CommScope (US)

Airspan Networks (US)

ip.access (UK)

Corning (US)

Fujitsu (Japan)

Samsung (South Korea)

Comba Telecom (Hong Kong)

Contela (South Korea)

Baicells Technologies (US)

Acceleran (Belgium)

Accuver (US)

Casa Systems (US)

CommAgility (England)

Radisys (US)

Altiostar (US)

Siradel (France)

Qualcomm (US)

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Octasic (Canada)

PC-TEL (US)

Microsemi (US)

Research coverage

The report segments the global small cell 5G network marketby component, radio technology, cell type, deployment mode, endusers, and region.A detailed analysis of the key industry players has been undertaken to provide insights into their business overviews; services; key strategies; new service launches; partnerships, agreements, and collaborations; business expansions; and competitive landscape associated with the global small cell 5G network market.

Reasons to buy the report

The report would help the market leaders/new entrants in the following ways:

It comprehensively segments the small cell 5G network market and provides the closest approximations of the revenue numbers for the overall market and itssubsegments across majorregions.

It would help stakeholders understand the pulse of the market and provide information on the key market drivers, restraints, challenges, and opportunities.

It would help stakeholders understand their competitors better and gain more insights to enhance their positions in the market. The competitive landscape section includes competitor ecosystem, new service developments, partnerships, and acquisitions.

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About

The increasing number of smart handheld devices has brought an exponential increase in mobile IP traffic.

The amount of data traffic on the allocated spectrum is causing bandwidth issues and has resulted in poor quality of service by telecom providers. Also, the increasing number of buildings has created blind spots and coverage issues. Telecom operators are now looking for cheap solutions to increase the quality of service, provide better coverage area, and improve the capacity of the network.

Small cells address the capacity issues faced by telecom operators and help to extend the capacity by using Ethernet/fiber-cabled connections on the premises via Wi-Fi which is integrated into small cells.

Small cells extend the coverage and capacity of the carrier network at indoor and outdoor locations by extending the coverage of the macrocell in the premises. For this, they use a base station for network coverage and utilize the already deployed Ethernet connection for data offloading. Small cells can be deployed in residential premises, enterprise complexes, and public locations. Small cells use Ethernet connectivity for data offloading from licensed spectrum to the unlicensed spectrum using the Wi-Fi technology. Small cells provide data about subscriber's locations and usage pattern, enabling the telecom operators to generate new revenue streams by analyzing this data and selling it to marketers. Small cells enable the mobile network operators to generate new revenue streams by exploiting the subscriber's location and usage analytics data gained by the small cell network. Small cells expand the network coverage and capacity at a fraction of cost in comparison to installing a new macrocell. Small cells can be easily deployed as they have a compact form and consume very less power.

Small cells cater to the subscriber demand for high bandwidth and data transfer speed along with improved carrier network coverage. These devices also feature multivendor interoperability, self-configuring options, self-optimizing network systems, and a network management system to reduce interference from other devices. Small cells improve the quality of service and provide better customer experience.

Small cells are increasingly being adopted by telecom operators around the world. Major telecom operators, such as Verizon, Vodafone, Sprint, and SK Telecom have already deployed small cells. The major players in the small cells space are Cisco, Alcatel-Lucent, ip.access, SpiderCloud, Contela, Samsung, and NEC Corporation.

This report segments the small cell market into five different categories, namely operating environment, types, services, verticals, and regions. The small cell market by operating environment can be divided into indoor and outdoor environment. The small cell market by type is segmented into picocell, femtocell, and microcell. The small cell market by service is categorized into installation and integration service, network planning and design service, professional services, and maintenance and support service. The small cell market by vertical is divided into education, healthcare; Banking, Financial Services, and Insurance (BFSI); retail, transportation, and hospitality. By region, the small cell market can be segmented into North America (NA), Europe, Asia-Pacific (APAC), Middle East and Africa (MEA), and Latin America (LA).

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