Global WiGig Market 2016 Share, Trend, Segmentation and Forecast to 2022

WiGig Market to Reach $23.29 billion with 105.42% CAGR Forecast to 2022

PUNE, INDIA, July 18, 2016 /EINPresswire.com/ -- The Global WiGig market is expected to grow at a CAGR of 105.42% to reach $23.29 billion by the end of 2020 from the current estimates of $0.31billion. In the recent years, the world has become a big digital multimedia market with different kinds of content easily available in different media forms today. This has led to the need for continuous innovation in data transfer and connectivity. Whereas, WiGig allows wireless communication at multi-gigabit speeds and enables high performance wireless data.

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Though the traditional Wi-Fi serves this purpose, its functionality, especially its speed, is limited by its capabilities. These limitations are now being addressed by WiGig technology, which uses 60 GHz frequency for high speed data transfer. Such technologies has led to high speed wireless data sharing at multi gigabit speeds. It is based on IEEE 802.11ad, the standard wireless communication which makes use of 60 GHz frequency. This technology supports data transfer up to speeds of 7 Gbits/sec. The WiGig technology can be used to transfer data from smartphones, notebooks, personal computers or any other device (WiGig compatible) to other devices. It can also be used to transfer videos from these very devices.
To overcome signal decay, WiGig uses a process called ‘adaptive beamforming’. The antennas do this by adjusting both the amplitudes and the phase shifts of their broadcasted waves. The reception of the signal is then optimized by minimizing different kinds of problems: the error between the antennas’ output and the expected signal.

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Recently Samsung developed a “high-performance modem technologies” along with a “wide-coverage beam-forming antenna”, which could resolve the line-of-sight (range) issues to an extent. This means that one of the largest consumer device makers will be embracing WiGig. The company also remarked that this tech will be “integral” to Samsung’s smart home and internet of things efforts. Evolution of next generation devices along with increasing need for high speed internet, need for high

data transfer rate, lower cost and compatibility with different devices has accelerated the growth of the market. Whereas, some of the key impediments hindering the growth of the market are the range which it supports, i.e. natural interference problems, so the data transfer would require the devices to be close by and in line-of-sight of each other, and the other limitation of the WiGig market is its low availability of vendors for the same.
The global WiGig market has been broadly segmented by devices, usage models and end-user industry. By different types of devices, the market has been bifurcated into notebooks, personal computers, smartphones, televisions and others. Whereas, instant wireless sync, wireless display, wireless docking and networking are the different usage models in the WiGig market. By end user industry the market has been segmented into retail, banking, manufacturing, communications, travel and transport, professional services, energy, healthcare, government, entertainment and media and others.
The market has also been geographically segmented into North America, Europe, Asia Pacific, Latin America and Middle East and Africa. North America is estimated to hold the largest market in 2014 and is projected to increase in coming years owing to strong telecommunication networks available in the region along with enhanced infrastructure.
However, Asia Pacific is expected to witness highest growth rate over the forecast period due to increasing penetration of internet enabled devices along rapid technological advancements. Additionally, South Korea, India and China will further drive the regional market due to growing requirement of technologies used for advanced data transfer along with improving infrastructure prevailing in the region.
Some of the vendors of this technology mentioned in the report are Qualcomm, Cisco, Intel, Dell, Panasonic, Bridgewave, Silicon Image and Agilent Technologies.
Key Deliverables in the Study
• Market analysis for the global WiGig market, with region specific assessments and competition analysis on global and regional scales
• Market definition along with the identification of key drivers and restraints
• Identification of factors instrumental in changing the market scenarios, rising prospective opportunities, and identification of key companies that can influence this market on a global and regional scale
• Extensively researched competitive landscape section with profiles of major companies along with their market shares
• Identification and analysis of the macro and micro factors that affect the WiGig market on both global and regional scales
• A comprehensive list of key market players along with the analysis of their current strategic interests and key financial information
• A wide-ranging knowledge and insights about the major players in this industry and the key strategies adopted by them to sustain and grow in the studied market
• Insights on the major countries/regions in which this industry is blooming and to also identify the regions that are still untapped

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