

5G Smart Antenna Market revealed by Mind Commerce

Sees as Critical to Optimize Capacity, Coverage, and Enable 5G Application Mobility

SEATTLE, WASHINGTON, UNITED STATES, November 29, 2018 /EINPresswire.com/ -- Fifth Generation (5G) cellular will usher into existence many new capabilities, not the least of which is ultra-reliable, low-latency communications thanks to use of new millimeter wave based radio equipment. This new radio access network infrastructure is referred to as 5G New Radio (5G NR).

While smart antennas are extremely important for voice over 5G (Vo5G) in terms of continuous coverage, they are an absolute requirement for 5G NR next generation application mobility. Mind Commerce sees 5G NR largely within a metropolitan area, particularly in smart cities. Smart antenna systems will be a key component to ensure mobile application usage within a given municipality. This will be accomplished through use of antenna arrays and advanced beamforming technologies.

The anticipated global market for SIMO (Single Input Multiple Output), MISO (Multiple Input Single Output), and MIMO (Multiple Input Multiple Output) [5G smart antennas](#) will be \$1.7M, \$1.4M, and \$1.3M respectively by 2023. These systems will support a variety of applications including many advanced enterprise solutions and industrial automation services.

“

Beneficial for LTE, Smart Antenna Systems are an Absolute Requirement for 5G”

Mind Commerce

Along with edge computing and network slicing, smart antennas are a critical component to support Service Level Agreements (SLA) and provide committed Quality of Service (QoS) for enterprise customers and Quality of Experience (QoE) for all end-users. This includes

integration of Vo5G as the voice communications component of many advanced 5G enabled services such as virtual reality.

In addition, smart antennas will ensure property concentration of radio resources for many critical business solutions such as telerobotics, which will also rely upon voice control as a portion of its user interface and therefore also require Vo5G integration.

Mind Commerce sees the global market for switched multi-beam 5G smart antenna solutions exceeding \$1B by 2023. However, adaptive array systems will grow roughly 50% faster than multi-beam technology, eventually overtaking market share.

The Mind Commerce report, [5G Smart Antenna Market 2018 - 2023](#), evaluates the smart antenna market including key players, technologies, and solutions. This includes analysis of product and service strategy for smart antenna vendors. The report evaluates the role and



importance of smart antennas in terms of 5G network optimization including data speed enhancement and error rate reduction.

The report evaluates and provides forecasts for the smart antenna market by Type (SIMO, MISO, MIMO), connectivity, and application globally and regionally. The report also assesses 5G smart antenna support of Internet of Things (IoT) solutions, providing forecasts for IoT applications. The report includes detailed revenue forecasts as well as projected smart antenna shipment from 2018 – 2023.

About Mind Commerce

Mind Commerce is an information services company that provides research and strategic analysis focused on the Information and Communications Technology (ICT) industry. Our ICT reports provide key trends, projections, and in-depth analysis for infrastructure, platforms, devices, applications, services, emerging business models and opportunities.

We focus on key emerging and disintermediating technology areas for service providers, technology providers, developers (communications, applications, content, and commerce), systems integrators and consultants, government organizations and NGOs, and the financial community. Visit us at <https://mindcommerce.com/>

MEDIA: We welcome discussions about our research in support of your news article, blog, or professional industry portal.

Contact us via email at Contact@MindCommerce.com or Call: +1 877 646 3266

Dawn Stokes
Mind Commerce
+1 877-646-3266
[email us here](#)



This press release can be viewed online at: <http://www.einpresswire.com>

Disclaimer: If you have any questions regarding information in this press release please contact the company listed in the press release. Please do not contact EIN Presswire. We will be unable to assist you with your inquiry. EIN Presswire disclaims any content contained in these releases. © 1995-2018 IPD Group, Inc. All Right Reserved.