

5G Active Antenna Unit (AAU) Market projected to reach US\$ 28 billion by 2028 driven by enhanced connectivity demand

The global 5G active antenna unit (AAU) market is projected to grow at a CAGR of 22.43%, reaching US\$27.994 billion by 2028, from US\$8.313 billion in 2022.



NOIDA, UTTAR PRADESH, INDIA, September 5, 2023 /EINPresswire.com/ -- According to a new study published by Knowledge Sourcing Intelligence, the global [5G active antenna unit \(AAU\) market](#) is projected to grow at a CAGR of 22.43% between 2021 and 2028 to reach US\$27.994 billion by 2028. A major factor driving the 5G Active Antenna Unit Market growth is the growing demand for enhanced connectivity.

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5G active antenna unit is a vibrant area of the communications market. AAUs are essential parts of [5G networks](#) because they enable the implementation of cutting-edge communication services and high-speed data transmission. AAUs are crucial in providing improved connection, reduced latency, and increased network coverage as 5G adoption soars around the globe. The constant need for quicker and more dependable wireless communications across a variety of sectors and applications is what is fuelling this market's expansion.

The 5G active antenna unit market is expanding rapidly owing to a number of compelling factors, including the

global development of 5G networks. To meet the rising demand for fast, lag-free connectivity, telecom operators are extensively implementing 5G infrastructure and AAUs. The deployment of more AAUs is required to relieve network congestion and provide uninterrupted connection because of the increasing development in mobile data consumption, which is driven by [video streaming](#), gaming, and IoT devices. Mission-critical applications, remote work, and IoT connections are becoming more and more dependent on 5G, which increases the demand for effective AAUs to provide consistent, high-quality service. In order to allow smooth connection between these devices and offer real-time data transfer, the expansion of IoT devices and smart

technologies needs a strong 5G infrastructure backed by AAUs.

AAUs are essential in offering the necessary network responsiveness for emerging applications like driverless cars and augmented reality. In order to fulfill the demands of densely populated regions, AAUs also increase network capacity by enabling several users and devices to connect at once without sacrificing speed or quality. Demand for AAU is fueled by the deployment of 5G in industrial environments for use cases like remote monitoring and robotics, which call for dependable, fast connectivity. AAU investments are necessary to get a competitive edge since telecom operators are in severe rivalry to provide the finest 5G services. In conclusion, the rapid rollout of 5G networks, rising demand for seamless connection, and widespread acceptance of transformational technologies all contribute to the growth of the 5G AAU market. Together, these elements support the market's upward trend.

Access sample report or view details: <https://www.knowledge-sourcing.com/report/5g-active-antenna-unit-aau-market>

The 5G active antenna unit market has been analyzed based on architecture, band, deployment, and geography. The market has been segmented based on architecture into antenna units, and radio units. Deployment is further classified into urban and rural.

By region, the market for 5G active antenna units is dominated by the Asia Pacific. The quick rollout of 5G infrastructure, the region's sizable customer base, and strong government backing for technology adoption are all elements that contribute to its supremacy. Due to the intense rivalry among telecom carriers, nations such as China, South Korea, Japan, and India are at the forefront of the implementation of 5G AAU. The demand for 5G connection is fueled in part by the widespread use of smartphones and other smart devices. Asia Pacific continues to be a significant driver and innovator in the global 5G AAU market with its strong 5G ecosystem and emphasis on technical progress.

As a part of the report, the key companies operating in the 5G active antenna unit market that have been covered include Huawei Technologies Co., Ltd., ZTE Corporation, Hytera, CommScope, Mavenir, Abside Networks, Inc, Telefonaktiebolaget LM Ericsson, and Nokia Corporation among other significant market players.

The market analytics report segments the global 5G active antenna unit market as below:

- By Architecture
 - o Antenna Unit (AU)
 - o Radio Unit (RU)
- By Band

- o Sub-6 GHz

- o mmWave

- By Deployment

- o Urban

- o Rural

- By Geography

- o Americas

- United States

- Others

- o Europe, the Middle East, and Africa

- Germany

- UK

- Others

- o Asia Pacific

- China

- Japan

- South Korea

- Others

Companies Profiled:

- Huawei Technologies Co., Ltd.

- ZTE Corporation

- Hytera

- CommScope

- Mavenir

- Abside Networks, Inc

- Telefonaktiebolaget LM Ericsson

- Nokia Corporation

- *List is not exhaustive

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