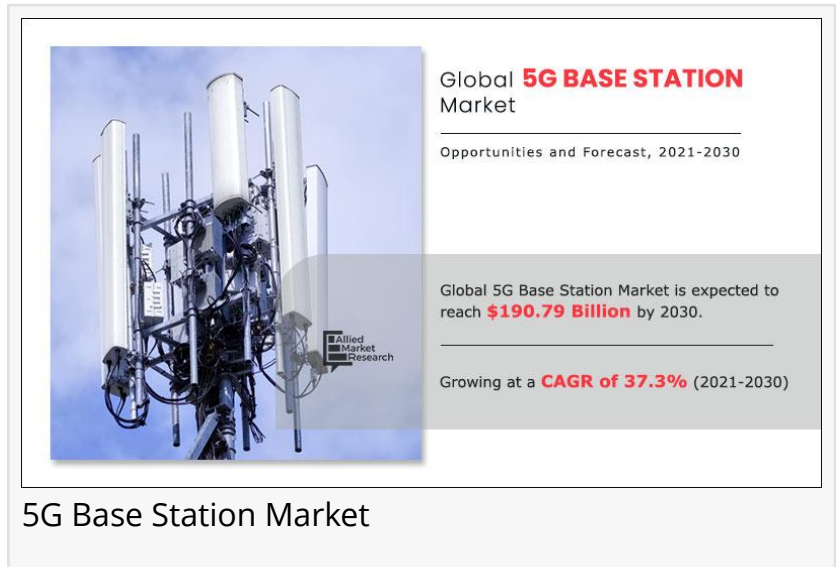


5G Base Station Market Share Reach \$190.78 Billion by 2030 | Marvell, NEC Corporation, Nokia

The 5G base station market is set to grow due to rising 5G IoT adoption, critical communication needs, demand for high-speed, low-latency data, & IoT expansion.

WILMINGTON, DE, UNITED STATES,
December 11, 2024 /

EINPresswire.com/ -- According to the report published by Allied Market Research, the global [5G base station market](#) is expected to generate a revenue of \$190.78 billion by 2030. The market accounted for \$8.16 billion in 2020 and is predicted to rise at a CAGR of 37.3% from 2021 to 2030. The report presents a comprehensive analysis of the market size & estimations, top winning strategies, drivers & opportunities, top investment pockets, competitive insights, and varying market trends.



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A 5G base station serves as a central hub for connecting and managing wireless IoT devices. The antenna components of 5G base stations are specifically designed to overcome various technical, environmental, aesthetic, and security challenges. These base stations utilize one or more radio frequency (RF) antennas to transmit and receive signals for IoT devices. Additionally, 5G small cell base station antennas are built to manage increased capacity, wider frequency ranges, and reduce interference as signal density grows. The growing demand for higher bandwidth per connection to improve functionality further drives the need for high-capacity 5G base station solutions.

The global 5G base station market is attributed to the rising adoption of 5G IoT ecosystem & critical communication services, the growing demand for high-speed data with low latency, and the rise of interconnected devices. Furthermore, the continuous advancements in smart

infrastructure solutions are predicted to create extensive growth opportunities for the market. However, the rising government regulations related to network radiation hamper the market growth to some extent.

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The global 5G base station market is evaluated based on type, network architecture, core network, operational frequency, end-user, and region. By type, the small cells segment generated the highest revenue in 2020, contributing to nearly two-thirds of the global 5G base station market. On the other hand, the macrocells segment would manifest a stunning CAGR of 40.2% during the analysis timeframe.

By network architecture, the 5G non-standalone segment registered the highest revenue in 2020, contributing to more than half of the global market. On the contrary, the 5G standalone segment is predicted to showcase a stunning CAGR of 39.8% over the analysis period from 2021 to 2030.

By region, the Asia-Pacific region led the trail in 2020, generating more than one-third of the global 5G base station market. The region is expected to maintain its leadership status and grow at the fastest CAGR of 41.0% by the end of 2030. The report also includes the analysis of other regions including Europe, North America, and LAMEA.

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The key market players examined in the global 5G base station market report include Telefonaktiebolaget LM Ericsson, Nokia, Cisco Systems Inc., ZTE Corporation, Huawei Technologies Co. Ltd., Marvell, NEC Corporation, Airson Network Inc., Samsung, and Qualcomm Incorporated. These market players have made several strategies including mergers, expansion, partnership, acquisition, collaboration, and others to gain a leading position in the industry.

Key Industry Developments:

October 2023: JET Connectivity launched the world's first permanently deployable floating 5G base station in Grimsby, UK, supporting offshore wind farm connectivity.

September 2023: BLiNQ Networks partnered with EdgeQ to launch the PCW-400i, a cost-effective 5G small cell base station for Industry 4.0 use cases.

March 2023: Radio Frequency Systems (RFS) collaborated with Nokia to integrate passive antenna technology with Nokia's 5G Massive MIMO radios, enhancing 5G base station capabilities.

February 2023: Fujitsu introduced a 5G vRAN solution with NVIDIA GPUs, aiming to expand open 5G networks globally with partners like NTT DOCOMO.

January 2022: NEC Corporation launched the UNIVERGE RV1000 private 5G base stations in Japan, reducing costs and accelerating private 5G adoption.

June 2021: NEC launched 5G Massive MIMO Radio Units to expand coverage and enable high-speed transmission for 5G base stations.

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About Us:

Allied Market Research (AMR) is a full-service market research and business-consulting wing of Allied Analytics LLP, based in Portland, Oregon. AMR provides global enterprises as well as medium and small businesses with unmatched quality of "Market Research Reports" and "Business Intelligence Solutions." AMR has a targeted view to provide business insights and consulting to assist its clients in making strategic business decisions and achieving sustainable growth in their respective market domains.

AMR launched its user-based online library of reports and company profiles, Avenue. An e-access library is accessible from any device, anywhere, and at any time for entrepreneurs, stakeholders, researchers, and students at universities. With reports on more than 60,000 niche markets with data comprising 600,000 pages along with company profiles on more than 12,000 firms, Avenue offers access to the entire repository of information through subscriptions. A hassle-free solution to clients' requirements is complemented with analyst support and customization requests.

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