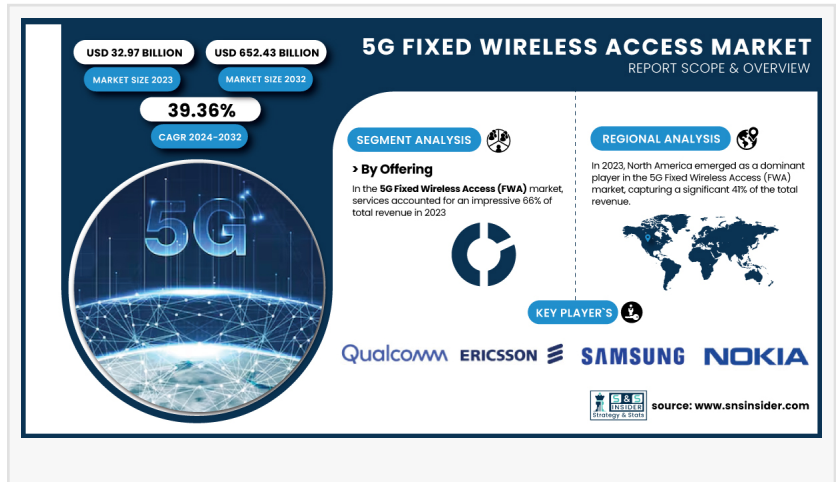


# 5G Fixed Wireless Access Market Driven by Rising Demand for High-Speed Internet Services and Technology Advancements

The 5G Fixed Wireless Access Market was USD 32.97 Bn in 2023 and is expected to reach USD 652.43 Bn by 2032, growing at a 39.36% CAGR from 2024 to 2032.

AUSTIN, TX, UNITED STATES, January 30, 2025 /EINPresswire.com/ -- The growth of the [5G Fixed Wireless Access \(FWA\) market](#) is driven by the increasing demand for high-speed, low-latency internet services in underserved and rural areas.



The 5G Fixed Wireless Access (FWA) Market was valued at USD 32.97 billion in 2023 and is expected to grow to USD 652.43 billion by 2032, at a CAGR of 39.36% over the forecast period of 2024-2032.

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Some of Major Keyplayers:

- Qualcomm Technologies (5G chipsets and modems)
- Nokia Corporation (AirScale FWA solutions)
- Samsung Electronics (5G FWA devices and infrastructure)
- Huawei (5G CPE products)
- Ericsson (Ericsson Radio System for FWA)
- Mimoso Networks Inc. (fixed wireless solutions)
- Cohere Technologies Inc. (5G wireless technology)
- Siklu Communication Ltd. (millimeter-wave solutions for FWA)
- AT&T Inc. (FWA services and network solutions)
- Verizon Communications Inc. (5G Home Internet service)
- ZTE Corporation (5G FWA solutions)
- Cisco Systems, Inc. (network infrastructure and FWA technology)

- T-Mobile US, Inc. (FWA and broadband offerings)
- Fujitsu (5G solutions for telecommunications)
- Clearfield, Inc. (fiber and wireless solutions)
- CommScope Holding Company, Inc. (network infrastructure products)
- FiberTower Corporation (fixed wireless network services)
- Cedar Communications, LLC (wireless broadband services)
- CityFibre (FWA initiatives in the UK)
- Altice USA (telecom services including FWA)
- Others

## 5G Fixed Wireless Access Market Growth Driven by Demand for Affordable High-Speed Internet in Underserved Areas

The growth of the 5G Fixed Wireless Access (FWA) market is driven by the rising need for high-speed, low-latency internet services in underserved and rural areas lacking robust traditional broadband infrastructure. FWA has also emerged as a low-cost alternative to fiber-optic and cable broadband as 5G networks are deployed worldwide, as it has quicker deployment times and lower installation costs. FWA is a compelling solution that allows telecom providers to cover more areas without heavy investments in fiber optics, as it can deliver gigabit speeds without the additional complexity of physical infrastructure.

## Rising Demand for 5G Technology Across Sectors Boosts Growth of 5G Fixed Wireless Access Market

Moreover, the rise in demand for 5G technology in multiple areas, such as smart structures, industries, and cloud services, is propelling demand for FWA even further. The high data throughput and ultra-low latency of 5G make it well-suited to handling the escalating data traffic that will be employed by such use cases. With the increase in demand for high-speed internet by end-users for telecommuting, online gaming, online shopping, etc., the 5G FWA market is expected to proliferate owing to continuous improvements in network infrastructure and the 5G ecosystem.

## 5G Fixed Wireless Access Market Growth Driven by Services Hardware and Urban Semi-Urban Segments

**By Offering:** In 2023 5G Fixed Wireless Access (FWA) market was dominated by the services segment due to growing demand for installation, maintenance, and managed services from telecom providers. These services are important for rolling out and optimizing FWA solutions given that an increasing number of consumers and businesses will rely on 5G as the primary technology for connectivity.

The hardware segment accounted for the fastest CAGR growth from 2024 to 2032. This is driven by developments in 5G devices, routers, antennas, and CPE that enable numerous high-speed

connections in FWA to operate at higher performance levels.

By Demography: The urban segment led the 5G Fixed Wireless Access (FWA) market in 2023, as cities offer a greater concentration of broadband users, increased need for high-speed internet on the go, and advanced infrastructure to upscale quickly and support the 5G rollout seamlessly.

The fastest CAGR from 2024 to 2032 will be represented by the semi-urban segment due to the rising need for affordable, reliable internet in semi-urban areas. FWA is an answer to that, spicing up the connectivity between rural/urban land.

5G Fixed Wireless Access Market Segmentation:

By Offering

- Hardware
- Services

By Demography

- Urban
- Semi-Urban
- Rural

By Application

- Residential
- Commercial
- Industrial
- Government

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North America Leads 5G Fixed Wireless Access Market in 2023 as Asia-Pacific Set for Rapid Growth by 2032

North America held the majority share of the 5G Fixed Wireless Access (FWA) market in 2023 and this trend is expected to continue over the forecast period due to the advanced telecom infrastructure and high adoption of 5G in the region along with the high demand for high-speed internet services. The growth of the market can be attributed mainly to well-established broadband markets and investments from leading telecom operators in the region. Moreover, growing smart homes, businesses, and IoT applications across North America have led to increased adoption of dependable, high-speed performance internet solutions such as FWA.

Asia-Pacific is anticipated to witness the highest CAGR during 2024-2032. Such growth is being driven by rapid urbanization, greater availability of internet access, and increasing 5G technology

adoption in countries such as China, India, and Japan. With governments and telecom service providers giving additional emphasis on broadband connectivity to rural and semi-urban regions, FWA provides a viable solution. Additionally, the use of 5G in the region for industrial applications and smart cities will provide large growth opportunities for market expansion at a fast pace.

#### Recent Developments:

-In February 2024, Qualcomm unveiled its 5G Fixed Wireless Access Ultra Gen 3 Platform, designed to boost mmWave performance with reduced power consumption, smaller footprint, and improved AI capabilities.

- In July 2024, Nokia expanded its 5G Fixed Wireless Access portfolio with new devices tailored for the North American market, featuring high-gain antennas and tri-band Wi-Fi 7 for improved broadband connectivity.

- In November 2024, Zain KSA partnered with Huawei to revolutionize online gaming by using network slicing and Huawei's Service Turbo technology to reduce latency and jitter.

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