

# Wireless Backhaul Equipment Market Showing Impressive Growth During Forecast Period 2022 - 2031

*Wireless Backhaul Equipment Market Expected to Reach \$104.8 Billion by 2031*  
— Allied Market Research

WILMINGTON, DELAWARE, UNITED STATES, July 16, 2024

/EINPresswire.com/ -- The [wireless backhaul equipment market](#) share is expected to witness considerable growth in coming years, owing to the increasing demand for high-speed and reliable connectivity. The growth of the wireless backhaul equipment market is

expected to be driven by several factors, such as the deployment of 5G networks, the growth of IoT, the increase in video streaming and online gaming, the growing demand for wireless broadband services, and government initiatives aimed at improving connectivity. Allied Market Research, titled, "Wireless Backhaul Equipment Market,"

The wireless backhaul equipment market was valued at \$31.9 billion in 2021, and is estimated to reach \$104.8 billion by 2031, growing at a CAGR of 12.9% from 2022 to 2031.

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Upcoming trends in the wireless backhaul equipment market: 5G adoption, small cell growth, cloud solutions, and network virtualization and automation.”

*Allied Market Research*



Wireless Backhaul Equipment Market Trends

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Wireless backhaul equipment is the backbone of wireless communication networks, connecting the core network to remote sites such as cell towers and small cells. The core

network refers to the central elements of a network, such as the network control center and data centers, while remote sites are the access points that connect end-users to the network. Wireless backhaul equipment enables the transfer of data, voice, and video between the core network and remote sites. This includes voice calls, text messages, internet browsing, and video

streaming, among other services. The equipment must be able to handle high amounts of data and provide low latency, high-speed connectivity to ensure that services are delivered efficiently to end-users.

Wireless backhaul equipment typically uses microwave, millimeter wave, and fiber optic technologies to provide connectivity. Microwave radios use microwave frequency bands to provide wireless connectivity over short to medium distances (up to 30-40 km), while millimeter wave radios provide high-speed connectivity over short distances. Fiber optic systems provide high-speed, reliable and secure connectivity over long distances and are often used in urban areas.

Various enhanced applications are being used in military & defense sectors such as radar, electronic warfare, and satellite communications. To provide commands, military intelligence, and orders from one place to another in combat scenarios, these applications will need millimeter wave technology with strong wireless backhaul equipment. The reason behind deployment of millimeter wave technology in military & defense applications, owing to high frequency range. Due to that millimeter wave technology can easily cover range of radar and satellite communication segment, which is 18-40 GHz. Moreover, millimeter wave technology provides faster, secured exchange of information, and connectivity during tactical communications. Among all other sectors, government and defense is one of the highest growing sectors in the wireless backhaul equipment industry.

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Wireless backhaul equipment is also used in a wide range of applications, including cellular networks, wireless broadband, public safety networks, smart cities, and IoT. It plays a critical role in ensuring the efficient and reliable delivery of services to end-users in these applications. Wireless backhaul equipment plays a critical role in ensuring the efficient and reliable functioning of wireless communication networks and supporting the delivery of services to end-users. It provides the necessary connectivity between the core network and remote sites and must be able to handle high amounts of data, provide low latency, and be secure and easy to manage.

The wireless backhaul equipment market is expected to grow significantly during the forecast period, owing to an increase in 5G technology testing in the United States, Japan, South Korea, and China, an increase in the use of millimetre wave technology-based scanner systems in transportation and airports, and an increase in demand for smart devices. Furthermore, government support and initiatives to promote rural connectivity and digitalization, as well as the expansion of 5G networks and increasing deployment of IoT applications, are expected to provide lucrative opportunities for the growth of the wireless backhaul equipment market share during the forecast period. On the contrary, some of the barriers for the [wireless backhaul equipment market growth](#) include strict government rules and standards for wireless bandwidth

utilization, as well as competition from alternative backhaul technologies such as fibre optic networks.

On the basis of offering, the equipment segment was the highest contributor to the market in 2021. On the basis of frequency band, the 6GHz to 42GHz segment was the highest revenue contributor in 2021. On the basis of end use industry, the transportation and logistics segment was the highest revenue contributor in 2021. Region-wise, Asia-Pacific and North America remains a significant participant in the wireless backhaul equipment market.

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Key findings from the report:

- The wireless backhaul equipment market size is expected to grow due to increasing demand for high-speed and reliable connectivity from mobile network operators and enterprises.
- The shift towards 5G networks is driving demand for new and upgraded wireless backhaul equipment that can support higher bandwidth and lower latency.
- Microwave equipment is still the most commonly used technology for wireless backhaul, but fiber and millimeter wave technology are expected to gain traction in the future.
- The Asia-Pacific region is expected to be a major market for wireless backhaul equipment due to the rapid expansion of mobile networks in the region.
- The COVID-19 pandemic has accelerated the shift towards remote work and e-commerce, which is expected to drive demand for wireless backhaul equipment as more people rely on high-speed and reliable connectivity.

The key players profiled in the report include Huawei, Ericsson, Nokia, Zte, Htc, Samsung, Intel, Qualcomm, Cisco, Alcatel-Lucent, and others. Market players have adopted various strategies such as product launch, product development, collaboration, partnership, joint venture, and acquisition to expand their foothold in the wireless backhaul equipment market.

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