

# Wireless Mesh Networks Market Size Poised for \$12.8 Billion Milestone by 2031 At a CAGR of 9.8%

*The growing trend of work-from-home and remote working policies, surge in need to increase efficiency of companies*

WILMINGTON, NEW CASTLE, DE, UNITED STATES, January 29, 2025 /EINPresswire.com/ -- The global [wireless mesh networks market](#) was valued at \$5.2 billion in 2021, and is projected to reach \$12.8 billion by 2031, growing at a CAGR of 9.8% from 2022 to 2031. The growing trend of



**WIRELESS MESS NETWORKS MARKET**  
 OPPORTUNITIES AND FORECAST, 2021 - 2031

Wireless mess networks market is expected to reach **\$12.8 Billion** in 2031

Growing at a **CAGR of 9.8%** (2022-2031)

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Wireless Mesh Networks Market

work-from-home and remote working policies, surge in need to increase efficiency of companies, the rise in demand for better business communication among large organizations, the growing scale of operations of large enterprises, and the increasing industry 4.0 trends in business organizations drive the [growth of the global wireless mesh networks market](#). However, higher installation costs and maintenance challenges of wireless mesh network platforms are likely to hinder the global market growth. On the other hand, the development of advanced communication technologies, such as 5G communication networks and Wi-Fi 6 technology will present new growth opportunities for the global market in the coming years.

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A wireless mesh network is a network topology in which devices are connected with many redundant interconnections between network nodes. A mesh topology is often used in conjunction with other topologies, such as star, ring, bus, and others to form a hybrid network arrangement. Furthermore, key factors that drive the growth of the wireless mesh networks market include, the growing demand for work-from-home and remote working policies during the period of the COVID-19 pandemic, which aided in propelling the demand for reliable communication networks. However, higher installation costs and maintenance challenges of wireless mesh network platforms are expected to hamper the wireless mesh networks market

during the forecast period. On the contrary, development of advanced communication technologies such as 5G communication networks and Wi-Fi 6 technology is expected to offer remunerative opportunities for expansion of the wireless mesh networks industry during the forecast period.

On the basis of enterprise size, the large enterprise segment dominated the overall wireless mesh networks market in 2021 and is expected to continue this trend during the forecast period. This is attributed to the complex communication demands for custom networking solutions from various large corporations. However, the SMEs segment is expected to witness the highest growth owing to their growing technological investments and growing innovation, which is expected to further fuel the growth of the global wireless mesh networks market.

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Based on component, the solutions segment held the largest share of more than two-thirds of the global wireless mesh networks market in 2021, and is expected to maintain a prominent growth during the forecast period. Moreover, the same segment is expected to exhibit the highest CAGR of 10.72% in 2031. This is owing to the growing demand for wireless networking solutions.

Some of the key players in the global wireless mesh networks market are:

Cambium Networks, Wirepas Ltd, Rajant Corporation, Qualcomm Incorporated, Qorvo, In., Strix Systems, Aruba Networks, ABB Ltd, Cisco Systems Inc., Synapse Wireless

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Based on type, the infrastructure wireless mesh segment held the largest share of more than half of the global wireless mesh networks market in 2021, owing to the higher degree of security offered by infrastructure mesh networking solutions. However, the ad-hoc mesh segment is expected to maintain a prominent growth and exhibit the highest CAGR of 11.6% during the forecast period, owing to the mobility and customization offered by ad-hoc mesh solutions.

Some of the key players in the global wireless mesh networks market are:

By application area, the commercial segment accounted for the largest wireless mesh networks market share in 2021 and Wireless Mess Networks Market Analysis.

By region, Asia-Pacific generated the highest revenue in 2021.

By enterprise size, the large enterprise segment generated the highest revenue in 2021.

Porter's five forces analysis illustrates the potency of the buyers and suppliers operating in the Wireless Mess Networks Industry.

The quantitative analysis of the market from 2022 to 2031 is provided to determine the Wireless Mess Networks Industry potential.

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This is due to the fact that mesh networks offer many advantages over traditional wireless networks, including improved performance, scalability, and security. Traditional wireless networks are often limited by their need for a central controller or access point, which can lead to problems with network congestion and limited coverage and can cause a hindrance, especially for employees working from home. Mesh networks, on the other hand, use a distributed architecture that allows each node to act as both a client and a router. This eliminates the need for a central controller and provides great flexibility in terms of network design. Moreover, the growing demand for mesh nodes during the period further drove the [demand for Wireless Mess Networks Market Forecast](#).

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Based on region, the market in Asia-Pacific was the largest in 2021, accounting for nearly half of the global wireless mesh networks market, and is likely to maintain its dominance during the forecast timeframe. This is owing to the high concentration of specialized network equipment manufacturers in the region. However, the LAMEA segment would show the fastest CAGR of 10.83% during the forecast period, due to the ongoing digital transformation of the region.

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