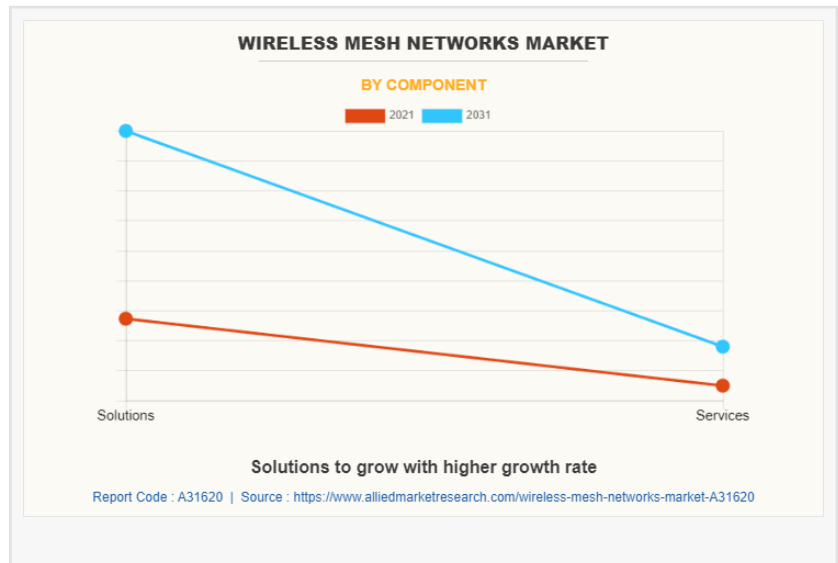


Wireless Mesh Networks Market Overview, Demands and Growth Analysis, Industry Forecast to 2031

WILMINGTON, DE, UNITED STATES, October 11, 2024 /EINPresswire.com/ -- The [Global Wireless Mesh Networks Market Size](#) was \$5.2 billion in 2021, and is estimated to reach \$12.8 billion by 2031, growing at a CAGR of 9.8% from 2022 to 2031.

The solutions segment is expected to witness the highest growth in the upcoming years, owing to rising demand for custom mesh networking solutions for both commercial and personal use cases.



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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.

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Competitive Analysis:

The competitive environment of Wireless Mesh Networks Industry is further examined in the report. It includes details about the key players in the market's strengths, product portfolio, Wireless Mesh Networks Market share and size analysis, operational results, and market positioning. It comprises the actions taken by the players to grow and expand their presence through agreements and entering new business sectors. Mergers and acquisitions, joint ventures, and product launches are some of the other techniques used by players.

Key Players:

Aruba Networks

ABB

Qualcomm Incorporated

Cisco Systems, Inc

Qorvo, Inc

Synapse Wireless

Wirepas Ltd

Rajant Corporation

Cambium Networks

Sitrix Systems and Many More

Region wise, the wireless mesh networks market was dominated by Asia-Pacific in 2021, and is expected to retain its position during the forecast period, owing to its transforming technology and communications sectors. However, LAMEA is expected to witness significant growth during the forecast period, owing to its growing digital capabilities and a highly competitive market space.

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The alarming increase in COVID-19 cases had compelled many businesses and their employees to adjust to remote working and work-from-home standards, which in turn fueled the adoption of global wireless mesh networks during the period. Moreover, with the outbreak of COVID-19, businesses have been forced to shift their attention and increase their online presence, needing to rely on digital solutions more than ever before post the outbreak of the pandemic. This increased the demand for higher flexibility and reliable communication networks, supporting the growth of the wireless mesh networks market. 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 Mesh Networks Market Forecast.

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