

Global Wireless Mesh Network Market Analysis and Forecast 2024-2030

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Abstracts

Summary

A wireless mesh network (WMN) is a communications network made up of radio nodes organized in a mesh topology. It is also a form of wireless ad hoc network. Wireless mesh networks often consist of mesh clients, mesh routers and gateways. The mesh clients are often laptops, cell phones and other wireless devices while the mesh routers forward traffic to and from the gateways which may, but need not, be connected to the Internet. The coverage area of the radio nodes working as a single network is sometimes called a mesh cloud. Access to this mesh cloud is dependent on the radio nodes working in harmony with each other to create a radio network. A mesh network is reliable and offers redundancy. When one node can no longer operate, the rest of the nodes can still communicate with each other, directly or through one or more intermediate nodes. Wireless mesh networks can self-form and self-heal.

According to APO Research, The global Wireless Mesh Network market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

The US & Canada market for Wireless Mesh Network is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Asia-Pacific market for Wireless Mesh Network is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The China market for Wireless Mesh Network is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Europe market for Wireless Mesh Network is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The major global companies of Wireless Mesh Network include Strix Systems Incorporated, ABB, Cisco Systems, Digi International, Aruba Networks, General Dynamics Mission Systems, Cambium Networks, Synapse Wireless and Vigilent, etc. In 2023, the world's top three vendors accounted for approximately % of the revenue.

Report Includes

This report presents an overview of global market for Wireless Mesh Network, market size. Analyses of the global market trends, with historic market revenue data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Wireless Mesh Network, also provides the revenue of main regions and countries. Of the upcoming market potential for Wireless Mesh Network, and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Wireless Mesh Network revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global Wireless Mesh Network market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by Type and by Application, revenue, and growth rate, from 2019 to 2030. Evaluation and forecast the market size for Wireless Mesh Network revenue, projected growth trends, production technology, application and end-user industry.

Wireless Mesh Network segment by Company

Strix Systems Incorporated

ABB

Cisco Systems

Digi International

Aruba Networks

General Dynamics Mission Systems

Cambium Networks

Synapse Wireless

Vigilent

Firetide

Rajant Corporation

Fluidmesh Networks

ArrowSpan

Concentris Systems

Wireless Mesh Network segment by Type

Sub 1 GHz Band

2.4 GHz Band

4.9 GHz Band

5 GHz Band

Others

Wireless Mesh Network segment by Application

Healthcare

Educational Institution

Government

Enterprise

Military

Others

Wireless Mesh Network segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Study Objectives

1. To analyze and research the global status and future forecast, involving growth rate (CAGR), market share, historical and forecast.
2. To present the key players, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify significant trends, drivers, influence factors in global and regions.
6. To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Wireless Mesh Network market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Wireless Mesh Network and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in market size), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market.
5. This report helps stakeholders to gain insights into which regions to target globally.

6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Wireless Mesh Network.

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Introduces the report scope of the report, executive summary of different market segments (product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 2: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 3: Revenue of Wireless Mesh Network in global and regional level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 4: Detailed analysis of Wireless Mesh Network company competitive landscape, revenue, market share and industry ranking, latest development plan, merger, and acquisition information, etc.

Chapter 5: Provides the analysis of various market segments by type, covering the revenue, and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 6: Provides the analysis of various market segments by application, covering the revenue, and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 7: Provides profiles of key companies, introducing the basic situation of the main companies in the market in detail, including product descriptions and specifications, Wireless Mesh Network revenue, gross margin, and recent development,

etc.

Chapter 8: North America (US & Canada) by type, by application and by country, revenue for each segment.

Chapter 9: Europe by type, by application and by country, revenue for each segment.

Chapter 10: China type, by application, revenue for each segment.

Chapter 11: Asia (excluding China) type, by application and by region, revenue for each segment.

Chapter 12: Middle East, Africa, and Latin America type, by application and by country, revenue for each segment.

Chapter 13: The main concluding insights of the report.

Contents

1 MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 Wireless Mesh Network Market by Type
 - 1.2.1 Global Wireless Mesh Network Market Size by Type, 2019 VS 2023 VS 2030
 - 1.2.2 Sub 1 GHz Band
 - 1.2.3 2.4 GHz Band
 - 1.2.4 4.9 GHz Band
 - 1.2.5 5 GHz Band
 - 1.2.6 Others
- 1.3 Wireless Mesh Network Market by Application
 - 1.3.1 Global Wireless Mesh Network Market Size by Application, 2019 VS 2023 VS 2030
 - 1.3.2 Healthcare
 - 1.3.3 Educational Institution
 - 1.3.4 Government
 - 1.3.5 Enterprise
 - 1.3.6 Military
 - 1.3.7 Others
- 1.4 Assumptions and Limitations
- 1.5 Study Goals and Objectives

2 WIRELESS MESH NETWORK MARKET DYNAMICS

- 2.1 Wireless Mesh Network Industry Trends
- 2.2 Wireless Mesh Network Industry Drivers
- 2.3 Wireless Mesh Network Industry Opportunities and Challenges
- 2.4 Wireless Mesh Network Industry Restraints

3 GLOBAL GROWTH PERSPECTIVE

- 3.1 Global Wireless Mesh Network Market Perspective (2019-2030)
- 3.2 Global Wireless Mesh Network Growth Trends by Region
 - 3.2.1 Global Wireless Mesh Network Market Size by Region: 2019 VS 2023 VS 2030
 - 3.2.2 Global Wireless Mesh Network Market Size by Region (2019-2024)
 - 3.2.3 Global Wireless Mesh Network Market Size by Region (2025-2030)

4 COMPETITIVE LANDSCAPE BY PLAYERS

4.1 Global Wireless Mesh Network Revenue by Players

4.1.1 Global Wireless Mesh Network Revenue by Players (2019-2024)

4.1.2 Global Wireless Mesh Network Revenue Market Share by Players (2019-2024)

4.1.3 Global Wireless Mesh Network Players Revenue Share Top 10 and Top 5 in 2023

4.2 Global Wireless Mesh Network Key Players Ranking, 2022 VS 2023 VS 2024

4.3 Global Wireless Mesh Network Key Players Headquarters & Area Served

4.4 Global Wireless Mesh Network Players, Product Type & Application

4.5 Global Wireless Mesh Network Players Commercialization Time

4.6 Market Competitive Analysis

4.6.1 Global Wireless Mesh Network Market CR5 and HHI

4.6.2 Global Top 5 and 10 Wireless Mesh Network Players Market Share by Revenue in 2023

4.6.3 2023 Wireless Mesh Network Tier 1, Tier 2, and Tier

5 WIRELESS MESH NETWORK MARKET SIZE BY TYPE

5.1 Global Wireless Mesh Network Revenue by Type (2019 VS 2023 VS 2030)

5.2 Global Wireless Mesh Network Revenue by Type (2019-2030)

5.3 Global Wireless Mesh Network Revenue Market Share by Type (2019-2030)

6 WIRELESS MESH NETWORK MARKET SIZE BY APPLICATION

6.1 Global Wireless Mesh Network Revenue by Application (2019 VS 2023 VS 2030)

6.2 Global Wireless Mesh Network Revenue by Application (2019-2030)

6.3 Global Wireless Mesh Network Revenue Market Share by Application (2019-2030)

7 COMPANY PROFILES

7.1 Strix Systems Incorporated

7.1.1 Strix Systems Incorporated Company Information

7.1.2 Strix Systems Incorporated Business Overview

7.1.3 Strix Systems Incorporated Wireless Mesh Network Revenue and Gross Margin (2019-2024)

7.1.4 Strix Systems Incorporated Wireless Mesh Network Product Portfolio

7.1.5 Strix Systems Incorporated Recent Developments

7.2 ABB

- 7.2.1 ABB Company Information
- 7.2.2 ABB Business Overview
- 7.2.3 ABB Wireless Mesh Network Revenue and Gross Margin (2019-2024)
- 7.2.4 ABB Wireless Mesh Network Product Portfolio
- 7.2.5 ABB Recent Developments
- 7.3 Cisco Systems
 - 7.3.1 Cisco Systems Company Information
 - 7.3.2 Cisco Systems Business Overview
 - 7.3.3 Cisco Systems Wireless Mesh Network Revenue and Gross Margin (2019-2024)
 - 7.3.4 Cisco Systems Wireless Mesh Network Product Portfolio
 - 7.3.5 Cisco Systems Recent Developments
- 7.4 Digi International
 - 7.4.1 Digi International Company Information
 - 7.4.2 Digi International Business Overview
 - 7.4.3 Digi International Wireless Mesh Network Revenue and Gross Margin (2019-2024)
 - 7.4.4 Digi International Wireless Mesh Network Product Portfolio
 - 7.4.5 Digi International Recent Developments
- 7.5 Aruba Networks
 - 7.5.1 Aruba Networks Company Information
 - 7.5.2 Aruba Networks Business Overview
 - 7.5.3 Aruba Networks Wireless Mesh Network Revenue and Gross Margin (2019-2024)
 - 7.5.4 Aruba Networks Wireless Mesh Network Product Portfolio
 - 7.5.5 Aruba Networks Recent Developments
- 7.6 General Dynamics Mission Systems
 - 7.6.1 General Dynamics Mission Systems Company Information
 - 7.6.2 General Dynamics Mission Systems Business Overview
 - 7.6.3 General Dynamics Mission Systems Wireless Mesh Network Revenue and Gross Margin (2019-2024)
 - 7.6.4 General Dynamics Mission Systems Wireless Mesh Network Product Portfolio
 - 7.6.5 General Dynamics Mission Systems Recent Developments
- 7.7 Cambium Networks
 - 7.7.1 Cambium Networks Company Information
 - 7.7.2 Cambium Networks Business Overview
 - 7.7.3 Cambium Networks Wireless Mesh Network Revenue and Gross Margin (2019-2024)
 - 7.7.4 Cambium Networks Wireless Mesh Network Product Portfolio
 - 7.7.5 Cambium Networks Recent Developments

7.8 Synapse Wireless

7.8.1 Synapse Wireless Company Information

7.8.2 Synapse Wireless Business Overview

7.8.3 Synapse Wireless Wireless Mesh Network Revenue and Gross Margin (2019-2024)

7.8.4 Synapse Wireless Wireless Mesh Network Product Portfolio

7.8.5 Synapse Wireless Recent Developments

7.9 Vigilent

7.9.1 Vigilent Company Information

7.9.2 Vigilent Business Overview

7.9.3 Vigilent Wireless Mesh Network Revenue and Gross Margin (2019-2024)

7.9.4 Vigilent Wireless Mesh Network Product Portfolio

7.9.5 Vigilent Recent Developments

7.10 Firetide

7.10.1 Firetide Company Information

7.10.2 Firetide Business Overview

7.10.3 Firetide Wireless Mesh Network Revenue and Gross Margin (2019-2024)

7.10.4 Firetide Wireless Mesh Network Product Portfolio

7.10.5 Firetide Recent Developments

7.11 Rajant Corporation

7.11.1 Rajant Corporation Company Information

7.11.2 Rajant Corporation Business Overview

7.11.3 Rajant Corporation Wireless Mesh Network Revenue and Gross Margin (2019-2024)

7.11.4 Rajant Corporation Wireless Mesh Network Product Portfolio

7.11.5 Rajant Corporation Recent Developments

7.12 Fluidmesh Networks

7.12.1 Fluidmesh Networks Company Information

7.12.2 Fluidmesh Networks Business Overview

7.12.3 Fluidmesh Networks Wireless Mesh Network Revenue and Gross Margin (2019-2024)

7.12.4 Fluidmesh Networks Wireless Mesh Network Product Portfolio

7.12.5 Fluidmesh Networks Recent Developments

7.13 ArrowSpan

7.13.1 ArrowSpan Company Information

7.13.2 ArrowSpan Business Overview

7.13.3 ArrowSpan Wireless Mesh Network Revenue and Gross Margin (2019-2024)

7.13.4 ArrowSpan Wireless Mesh Network Product Portfolio

7.13.5 ArrowSpan Recent Developments

7.14 Concentris Systems

7.14.1 Concentris Systems Company Information

7.14.2 Concentris Systems Business Overview

7.14.3 Concentris Systems Wireless Mesh Network Revenue and Gross Margin (2019-2024)

7.14.4 Concentris Systems Wireless Mesh Network Product Portfolio

7.14.5 Concentris Systems Recent Developments

8 NORTH AMERICA

8.1 North America Wireless Mesh Network Revenue (2019-2030)

8.2 North America Wireless Mesh Network Revenue by Type (2019-2030)

8.2.1 North America Wireless Mesh Network Revenue by Type (2019-2024)

8.2.2 North America Wireless Mesh Network Revenue by Type (2025-2030)

8.3 North America Wireless Mesh Network Revenue Share by Type (2019-2030)

8.4 North America Wireless Mesh Network Revenue by Application (2019-2030)

8.4.1 North America Wireless Mesh Network Revenue by Application (2019-2024)

8.4.2 North America Wireless Mesh Network Revenue by Application (2025-2030)

8.5 North America Wireless Mesh Network Revenue Share by Application (2019-2030)

8.6 North America Wireless Mesh Network Revenue by Country

8.6.1 North America Wireless Mesh Network Revenue by Country (2019 VS 2023 VS 2030)

8.6.2 North America Wireless Mesh Network Revenue by Country (2019-2024)

8.6.3 North America Wireless Mesh Network Revenue by Country (2025-2030)

8.6.4 U.S.

8.6.5 Canada

9 EUROPE

9.1 Europe Wireless Mesh Network Revenue (2019-2030)

9.2 Europe Wireless Mesh Network Revenue by Type (2019-2030)

9.2.1 Europe Wireless Mesh Network Revenue by Type (2019-2024)

9.2.2 Europe Wireless Mesh Network Revenue by Type (2025-2030)

9.3 Europe Wireless Mesh Network Revenue Share by Type (2019-2030)

9.4 Europe Wireless Mesh Network Revenue by Application (2019-2030)

9.4.1 Europe Wireless Mesh Network Revenue by Application (2019-2024)

9.4.2 Europe Wireless Mesh Network Revenue by Application (2025-2030)

9.5 Europe Wireless Mesh Network Revenue Share by Application (2019-2030)

9.6 Europe Wireless Mesh Network Revenue by Country

- 9.6.1 Europe Wireless Mesh Network Revenue by Country (2019 VS 2023 VS 2030)
- 9.6.2 Europe Wireless Mesh Network Revenue by Country (2019-2024)
- 9.6.3 Europe Wireless Mesh Network Revenue by Country (2025-2030)
- 9.6.4 Germany
- 9.6.5 France
- 9.6.6 U.K.
- 9.6.7 Italy
- 9.6.8 Russia

10 CHINA

- 10.1 China Wireless Mesh Network Revenue (2019-2030)
- 10.2 China Wireless Mesh Network Revenue by Type (2019-2030)
 - 10.2.1 China Wireless Mesh Network Revenue by Type (2019-2024)
 - 10.2.2 China Wireless Mesh Network Revenue by Type (2025-2030)
- 10.3 China Wireless Mesh Network Revenue Share by Type (2019-2030)
- 10.4 China Wireless Mesh Network Revenue by Application (2019-2030)
 - 10.4.1 China Wireless Mesh Network Revenue by Application (2019-2024)
 - 10.4.2 China Wireless Mesh Network Revenue by Application (2025-2030)
- 10.5 China Wireless Mesh Network Revenue Share by Application (2019-2030)

11 ASIA (EXCLUDING CHINA)

- 11.1 Asia Wireless Mesh Network Revenue (2019-2030)
- 11.2 Asia Wireless Mesh Network Revenue by Type (2019-2030)
 - 11.2.1 Asia Wireless Mesh Network Revenue by Type (2019-2024)
 - 11.2.2 Asia Wireless Mesh Network Revenue by Type (2025-2030)
- 11.3 Asia Wireless Mesh Network Revenue Share by Type (2019-2030)
- 11.4 Asia Wireless Mesh Network Revenue by Application (2019-2030)
 - 11.4.1 Asia Wireless Mesh Network Revenue by Application (2019-2024)
 - 11.4.2 Asia Wireless Mesh Network Revenue by Application (2025-2030)
- 11.5 Asia Wireless Mesh Network Revenue Share by Application (2019-2030)
- 11.6 Asia Wireless Mesh Network Revenue by Country
 - 11.6.1 Asia Wireless Mesh Network Revenue by Country (2019 VS 2023 VS 2030)
 - 11.6.2 Asia Wireless Mesh Network Revenue by Country (2019-2024)
 - 11.6.3 Asia Wireless Mesh Network Revenue by Country (2025-2030)
 - 11.6.4 Japan
 - 11.6.5 South Korea
 - 11.6.6 India

- 11.6.7 Australia
- 11.6.8 China Taiwan
- 11.6.9 Southeast Asia

12 MIDDLE EAST, AFRICA, LATIN AMERICA

- 12.1 MEALA Wireless Mesh Network Revenue (2019-2030)
- 12.2 MEALA Wireless Mesh Network Revenue by Type (2019-2030)
 - 12.2.1 MEALA Wireless Mesh Network Revenue by Type (2019-2024)
 - 12.2.2 MEALA Wireless Mesh Network Revenue by Type (2025-2030)
- 12.3 MEALA Wireless Mesh Network Revenue Share by Type (2019-2030)
- 12.4 MEALA Wireless Mesh Network Revenue by Application (2019-2030)
 - 12.4.1 MEALA Wireless Mesh Network Revenue by Application (2019-2024)
 - 12.4.2 MEALA Wireless Mesh Network Revenue by Application (2025-2030)
- 12.5 MEALA Wireless Mesh Network Revenue Share by Application (2019-2030)
- 12.6 MEALA Wireless Mesh Network Revenue by Country
 - 12.6.1 MEALA Wireless Mesh Network Revenue by Country (2019 VS 2023 VS 2030)
 - 12.6.2 MEALA Wireless Mesh Network Revenue by Country (2019-2024)
 - 12.6.3 MEALA Wireless Mesh Network Revenue by Country (2025-2030)
 - 12.6.4 Mexico
 - 12.6.5 Brazil
 - 12.6.6 Israel
 - 12.6.7 Argentina
 - 12.6.8 Colombia
 - 12.6.9 Turkey
 - 12.6.10 Saudi Arabia
 - 12.6.11 UAE

13 CONCLUDING INSIGHTS

14 APPENDIX

- 14.1 Reasons for Doing This Study
- 14.2 Research Methodology
- 14.3 Research Process
- 14.4 Authors List of This Report
- 14.5 Data Source
 - 14.5.1 Secondary Sources
 - 14.5.2 Primary Sources

14.6 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Wireless Mesh Network Market Size Growth Rate by Type (US\$ Million), 2019 VS 2023 VS 2030

Table 1. Sub 1 GHz Band Major Manufacturers

Table 2. 2.4 GHz Band Major Manufacturers

Table 3. 4.9 GHz Band Major Manufacturers

Table 4. 5 GHz Band Major Manufacturers

Table 5. Others Major Manufacturers

Table 6. Global Wireless Mesh Network Market Size Growth Rate by Application (US\$ Million), 2019 VS 2023 VS 2030

Table 7. Healthcare Major Manufacturers

Table 8. Educational Institution Major Manufacturers

Table 9. Government Major Manufacturers

Table 10. Enterprise Major Manufacturers

Table 11. Military Major Manufacturers

Table 12. Others Major Manufacturers

Table 13. Wireless Mesh Network Industry Trends

Table 14. Wireless Mesh Network Industry Drivers

Table 15. Wireless Mesh Network Industry Opportunities and Challenges

Table 16. Wireless Mesh Network Industry Restraints

Table 17. Global Wireless Mesh Network Market Size Growth Rate (CAGR) by Region (US\$ Million): 2019 VS 2023 VS 2030

Table 18. Global Wireless Mesh Network Market Size by Region (2019-2024) & (US\$ Million)

Table 19. Global Wireless Mesh Network Market Share by Region (2019-2024)

Table 20. Global Wireless Mesh Network Market Size by Region (2025-2030) & (US\$ Million)

Table 21. Global Wireless Mesh Network Market Share by Region (2025-2030)

Table 22. Global Wireless Mesh Network Revenue by Players (US\$ Million) & (2019-2024)

Table 23. Global Wireless Mesh Network Revenue Market Share by Players (2019-2024)

Table 24. Global Wireless Mesh Network Key Players Ranking, 2022 VS 2023 VS 2024

Table 25. Global Wireless Mesh Network Key Players Headquarters & Area Served

Table 26. Global Wireless Mesh Network Players, Product Type & Application

Table 27. Global Wireless Mesh Network Players Commercialization Time

- Table 28. Global Players Market Concentration Ratio (CR5 and HHI)
- Table 29. Global Wireless Mesh Network by Players Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue of 2023)
- Table 30. Global Wireless Mesh Network Revenue by Type 2019 VS 2023 VS 2030 (US\$ Million)
- Table 31. Global Wireless Mesh Network Revenue by Type (2019-2024) & (US\$ Million)
- Table 32. Global Wireless Mesh Network Revenue by Type (2025-2030) & (US\$ Million)
- Table 33. Global Wireless Mesh Network Revenue Market Share by Type (2019-2024) & (US\$ Million)
- Table 34. Global Wireless Mesh Network Revenue Market Share by Type (2025-2030) & (US\$ Million)
- Table 35. Global Wireless Mesh Network Revenue by Application 2019 VS 2023 VS 2030 (US\$ Million)
- Table 36. Global Wireless Mesh Network Revenue by Application (2019-2024) & (US\$ Million)
- Table 37. Global Wireless Mesh Network Revenue by Application (2025-2030) & (US\$ Million)
- Table 38. Global Wireless Mesh Network Revenue Market Share by Application (2019-2024) & (US\$ Million)
- Table 39. Global Wireless Mesh Network Revenue Market Share by Application (2025-2030) & (US\$ Million)
- Table 40. Strix Systems Incorporated Company Information
- Table 41. Strix Systems Incorporated Business Overview
- Table 42. Strix Systems Incorporated Wireless Mesh Network Revenue and Gross Margin (US\$ Million) & (2019-2024)
- Table 43. Strix Systems Incorporated Wireless Mesh Network Product Portfolio
- Table 44. Strix Systems Incorporated Recent Development
- Table 45. ABB Company Information
- Table 46. ABB Business Overview
- Table 47. ABB Wireless Mesh Network Revenue and Gross Margin (US\$ Million) & (2019-2024)
- Table 48. ABB Wireless Mesh Network Product Portfolio
- Table 49. ABB Recent Development
- Table 50. Cisco Systems Company Information
- Table 51. Cisco Systems Business Overview
- Table 52. Cisco Systems Wireless Mesh Network Revenue and Gross Margin (US\$ Million) & (2019-2024)
- Table 53. Cisco Systems Wireless Mesh Network Product Portfolio
- Table 54. Cisco Systems Recent Development

Table 55. Digi International Company Information

Table 56. Digi International Business Overview

Table 57. Digi International Wireless Mesh Network Revenue and Gross Margin (US\$ Million) & (2019-2024)

Table 58. Digi International Wireless Mesh Network Product Portfolio

Table 59. Digi International Recent Development

Table 60. Aruba Networks Company Information

Table 61. Aruba Networks Business Overview

Table 62. Aruba Networks Wireless Mesh Network Revenue and Gross Margin (US\$ Million) & (2019-2024)

Table 63. Aruba Networks Wireless Mesh Network Product Portfolio

Table 64. Aruba Networks Recent Development

Table 65. General Dynamics Mission Systems Company Information

Table 66. General Dynamics Mission Systems Business Overview

Table 67. General Dynamics Mission Systems Wireless Mesh Network Revenue and Gross Margin (US\$ Million) & (2019-2024)

Table 68. General Dynamics Mission Systems Wireless Mesh Network Product Portfolio

Table 69. General Dynamics Mission Systems Recent Development

Table 70. Cambium Networks Company Information

Table 71. Cambium Networks Business Overview

Table 72. Cambium Networks Wireless Mesh Network Revenue and Gross Margin (US\$ Million) & (2019-2024)

Table 73. Cambium Networks Wireless Mesh Network Product Portfolio

Table 74. Cambium Networks Recent Development

Table 75. Synapse Wireless Company Information

Table 76. Synapse Wireless Business Overview

Table 77. Synapse Wireless Wireless Mesh Network Revenue and Gross Margin (US\$ Million) & (2019-2024)

Table 78. Synapse Wireless Wireless Mesh Network Product Portfolio

Table 79. Synapse Wireless Recent Development

Table 80. Vigilent Company Information

Table 81. Vigilent Business Overview

Table 82. Vigilent Wireless Mesh Network Revenue and Gross Margin (US\$ Million) & (2019-2024)

Table 83. Vigilent Wireless Mesh Network Product Portfolio

Table 84. Vigilent Recent Development

Table 85. Firetide Company Information

Table 86. Firetide Business Overview

Table 87. Firetide Wireless Mesh Network Revenue and Gross Margin (US\$ Million) &

(2019-2024)

Table 88. Firetide Wireless Mesh Network Product Portfolio

Table 89. Firetide Recent Development

Table 90. Rajant Corporation Company Information

Table 91. Rajant Corporation Business Overview

Table 92. Rajant Corporation Wireless Mesh Network Sales (K Pcs), Revenue (US\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)

Table 93. Rajant Corporation Wireless Mesh Network Product Portfolio

Table 94. Rajant Corporation Recent Development

Table 95. Fluidmesh Networks Company Information

Table 96. Fluidmesh Networks Business Overview

Table 97. Fluidmesh Networks Wireless Mesh Network Sales (K Pcs), Revenue (US\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)

Table 98. Fluidmesh Networks Wireless Mesh Network Product Portfolio

Table 99. Fluidmesh Networks Recent Development

Table 100. ArrowSpan Company Information

Table 101. ArrowSpan Business Overview

Table 102. ArrowSpan Wireless Mesh Network Sales (K Pcs), Revenue (US\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)

Table 103. ArrowSpan Wireless Mesh Network Product Portfolio

Table 104. ArrowSpan Recent Development

Table 105. Concentris Systems Company Information

Table 106. Concentris Systems Business Overview

Table 107. Concentris Systems Wireless Mesh Network Sales (K Pcs), Revenue (US\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)

Table 108. Concentris Systems Wireless Mesh Network Product Portfolio

Table 109. Concentris Systems Recent Development

Table 110. North America Wireless Mesh Network Revenue by Type (2019-2024) & (US\$ Million)

Table 111. North America Wireless Mesh Network Revenue by Application (2019-2024) & (US\$ Million)

Table 112. North America Wireless Mesh Network Revenue by Country (2019 VS 2023 VS 2030) & (US\$ Million)

Table 113. North America Wireless Mesh Network Revenue by Country (2019-2024) & (US\$ Million)

Table 114. North America Wireless Mesh Network Revenue by Country (2025-2030) & (US\$ Million)

Table 115. Europe Wireless Mesh Network Revenue by Type (2019-2024) & (US\$ Million)

Table 116. Europe Wireless Mesh Network Revenue by Application (2019-2024) & (US\$ Million)

Table 117. Europe Wireless Mesh Network Revenue by Country (2019 VS 2023 VS 2030) & (US\$ Million)

Table 118. Europe Wireless Mesh Network Revenue by Country (2019-2024) & (US\$ Million)

Table 119. Europe Wireless Mesh Network Revenue by Country (2025-2030) & (US\$ Million)

Table 120. China Wireless Mesh Network Revenue by Type (2019-2024) & (US\$ Million)

Table 121. China Wireless Mesh Network Revenue by Application (2019-2024) & (US\$ Million)

Table 122. Asia Wireless Mesh Network Revenue by Type (2019-2024) & (US\$ Million)

Table 123. Asia Wireless Mesh Network Revenue by Application (2019-2024) & (US\$ Million)

Table 124. Asia Wireless Mesh Network Revenue by Country (2019 VS 2023 VS 2030) & (US\$ Million)

Table 125. Asia Wireless Mesh Network Revenue by Country (2019-2024) & (US\$ Million)

Table 126. Asia Wireless Mesh Network Revenue by Country (2025-2030) & (US\$ Million)

Table 127. MEALA Wireless Mesh Network Revenue by Type (2019-2024) & (US\$ Million)

Table 128. MEALA Wireless Mesh Network Revenue by Application (2019-2024) & (US\$ Million)

Table 129. MEALA Wireless Mesh Network Revenue by Country (2019 VS 2023 VS 2030) & (US\$ Million)

Table 130. MEALA Wireless Mesh Network Revenue by Country (2019-2024) & (US\$ Million)

Table 131. MEALA Wireless Mesh Network Revenue by Country (2025-2030) & (US\$ Million)

Table 132. Research Programs/Design for This Report

Table 133. Authors List of This Report

Table 134. Secondary Sources

Table 135. Primary Sources

List Of Figures

LIST OF FIGURES

- Figure 1. Wireless Mesh Network Product Picture
- Figure 2. Global Wireless Mesh Network Market Size Growth Rate by Type (US\$ Million), 2019 VS 2023 VS 2030
- Figure 3. Global Wireless Mesh Network Market Size Share 2019 VS 2023 VS 2030
- Figure 4. Sub 1 GHz Band Picture
- Figure 5. 2.4 GHz Band Picture
- Figure 6. 4.9 GHz Band Picture
- Figure 7. 5 GHz Band Picture
- Figure 8. Others Picture
- Figure 9. Global Wireless Mesh Network Market Size Growth Rate by Application (US\$ Million), 2019 VS 2023 VS 2030
- Figure 10. Global Wireless Mesh Network Market Size Share 2019 VS 2023 VS 2030
- Figure 11. Healthcare Picture
- Figure 12. Educational Institution Picture
- Figure 13. Government Picture
- Figure 14. Enterprise Picture
- Figure 15. Military Picture
- Figure 16. Others Picture
- Figure 17. Global Wireless Mesh Network Market Size (US\$ Million) & (2019-2030)
- Figure 18. Global Wireless Mesh Network Market Size, (US\$ Million), 2019 VS 2023 VS 2030
- Figure 19. Global Wireless Mesh Network Market Share by Region: 2019 VS 2023 VS 2030
- Figure 20. Global Wireless Mesh Network Players Revenue Share Top 10 and Top 5 in 2023
- Figure 21. Players Type (Tier 1, Tier 2, and Tier 3): 2019 VS 2023
- Figure 22. Global Wireless Mesh Network Revenue by Type (2019 VS 2023 VS 2030) & (US\$ Million)
- Figure 23. Global Wireless Mesh Network Revenue Market Share 2019 VS 2023 VS 2030
- Figure 24. Global Wireless Mesh Network Revenue Market Share by Type (2019-2030)
- Figure 25. Global Wireless Mesh Network Revenue by Application (2019 VS 2023 VS 2030) & (US\$ Million)
- Figure 26. Global Wireless Mesh Network Revenue Market Share by Application (2019 VS 2023 VS 2030)

Figure 27. Global Wireless Mesh Network Revenue Market Share by Application (2019-2030)

Figure 28. North America Wireless Mesh Network Revenue YoY Growth (2019-2030) & (US\$ Million)

Figure 29. North America Wireless Mesh Network Revenue by Type (2025-2030) & (US\$ Million)

Figure 30. North America Wireless Mesh Network Revenue Share by Type (2019-2030)

Figure 31. North America Wireless Mesh Network Revenue by Application (2025-2030) & (US\$ Million)

Figure 32. North America Wireless Mesh Network Revenue Share by Application (2019-2030)

Figure 33. North America Wireless Mesh Network Revenue Share by Country (2019-2030)

Figure 34. United States Wireless Mesh Network Revenue YoY Growth (US\$ Million) & (2019-2030)

Figure 35. Canada Wireless Mesh Network Revenue YoY Growth (US\$ Million) & (2019-2030)

Figure 36. Europe Wireless Mesh Network Revenue YoY Growth (2019-2030) & (US\$ Million)

Figure 37. Europe Wireless Mesh Network Revenue by Type (2025-2030) & (US\$ Million)

Figure 38. Europe Wireless Mesh Network Revenue Share by Type (2019-2030)

Figure 39. Europe Wireless Mesh Network Revenue by Application (2025-2030) & (US\$ Million)

Figure 40. Europe Wireless Mesh Network Revenue Share by Application (2019-2030)

Figure 41. Europe Wireless Mesh Network Revenue Share by Country (2019-2030)

Figure 42. Germany Wireless Mesh Network Revenue YoY Growth (US\$ Million) & (2019-2030)

Figure 43. France Wireless Mesh Network Revenue YoY Growth (US\$ Million) & (2019-2030)

Figure 44. U.K. Wireless Mesh Network Revenue YoY Growth (US\$ Million) & (2019-2030)

Figure 45. Italy Wireless Mesh Network Revenue YoY Growth (US\$ Million) & (2019-2030)

Figure 46. Russia Wireless Mesh Network Revenue YoY Growth (US\$ Million) & (2019-2030)

Figure 47. Nordic Countries Wireless Mesh Network Revenue YoY Growth (US\$ Million) & (2019-2030)

Figure 48. China Wireless Mesh Network Revenue YoY Growth (2019-2030) & (US\$

Million)

Figure 49. China Wireless Mesh Network Revenue by Type (2025-2030) & (US\$ Million)

Figure 50. China Wireless Mesh Network Revenue Share by Type (2019-2030)

Figure 51. China Wireless Mesh Network Revenue by Application (2025-2030) & (US\$ Million)

Figure 52. China Wireless Mesh Network Revenue Share by Application (2019-2030)

Figure 53. Asia Wireless Mesh Network Revenue YoY Growth (2019-2030) & (US\$ Million)

Figure 54. Asia Wireless Mesh Network Revenue by Type (2025-2030) & (US\$ Million)

Figure 55. Asia Wireless Mesh Network Revenue Share by Type (2019-2030)

Figure 56. Asia Wireless Mesh Network Revenue by Application (2025-2030) & (US\$ Million)

Figure 57. Asia Wireless Mesh Network Revenue Share by Application (2019-2030)

Figure 58. Asia Wireless Mesh Network Revenue Share by Country (2019-2030)

Figure 59. Japan Wireless Mesh Network Revenue YoY Growth (US\$ Million) & (2019-2030)

Figure 60. South Korea Wireless Mesh Network Revenue YoY Growth (US\$ Million) & (2019-2030)

Figure 61. India Wireless Mesh Network Revenue YoY Growth (US\$ Million) & (2019-2030)

Figure 62. Australia Wireless Mesh Network Revenue YoY Growth (US\$ Million) & (2019-2030)

Figure 63. China Taiwan Wireless Mesh Network Revenue YoY Growth (US\$ Million) & (2019-2030)

Figure 64. Southeast Asia Wireless Mesh Network Revenue YoY Growth (US\$ Million) & (2019-2030)

Figure 65. MEALA Wireless Mesh Network Revenue YoY Growth (2019-2030) & (US\$ Million)

Figure 66. MEALA Wireless Mesh Network Revenue by Type (2025-2030) & (US\$ Million)

Figure 67. MEALA Wireless Mesh Network Revenue Share by Type (2019-2030)

Figure 68. MEALA Wireless Mesh Network Revenue by Application (2025-2030) & (US\$ Million)

Figure 69. MEALA Wireless Mesh Network Revenue Share by Application (2019-2030)

Figure 70. MEALA Wireless Mesh Network Revenue Share by Country (2019-2030)

Figure 71. Mexico Wireless Mesh Network Revenue YoY Growth (US\$ Million) & (2019-2030)

Figure 72. South Korea Wireless Mesh Network Revenue YoY Growth (US\$ Million) & (2019-2030)

Figure 73. Brazil Wireless Mesh Network Revenue YoY Growth (US\$ Million) & (2019-2030)

Figure 74. Israel Wireless Mesh Network Revenue YoY Growth (US\$ Million) & (2019-2030)

Figure 75. Argentina Wireless Mesh Network Revenue YoY Growth (US\$ Million) & (2019-2030)

Figure 76. Colombia Wireless Mesh Network Revenue YoY Growth (US\$ Million) & (2019-2030)

Figure 77. Turkey Wireless Mesh Network Revenue YoY Growth (US\$ Million) & (2019-2030)

Figure 78. Saudi Arabia Wireless Mesh Network Revenue YoY Growth (US\$ Million) & (2019-2030)

Figure 79. UAE Wireless Mesh Network Revenue YoY Growth (US\$ Million) & (2019-2030)

Figure 80. Years Considered

Figure 81. Research Process

Figure 82. Key Executives Interviewed

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