

Global Passive Optical LAN Market Size study & Forecast, by Component (Optical Cables, Coupler, Power Splitter, Connector), By Type (GPON, EPON), By Application (Loop Feeder, Synchronous Optical Network), By End User (Manufacturing, BFIS, Education, Healthcare, Government) and Regional Analysis, 2023-2030

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Abstracts

Global Passive Optical LAN Market is valued approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2023-2030. Passive optical LAN is a type of local area network that uses fiber optic cabling and passive elements such as optical splitters. POLs are frequently used as an enterprise fiber-to-the-desk option. The Passive Optical LAN Market is expanding because of factors such as the growing demand for the high-speed internet and increasing popularity of green IT initiatives. Moreover, the rising demand for high-speed internet has led to an increase in the deployment of fiber to the home networks across the globe. Its importance has progressively increased during the last few decades.

According to the Statista in 2023, there were 5.18 billion users of the internet worldwide, accounting for 64.6 % of the global population. Social media was used by 4.8 billion people, around 59.9 % of the world's population. Passive optical LANs require less power than typical Ethernet networks, making them an appealing green IT solution. According to the Statista in 2023, The green technology industry is predicted to grow between 2021 and 2030. In 2021, this market accounts USD 35.5 billion and projected to rise at a compound annual growth rate of 21.6% from 2022 to 2030, up to USD 417.35 billion. In addition, rising technological advancements in Optical LAN and increasing demand of high bandwidth networks would create lucrative growth

opportunity. However, high installation cost and rising emergence of wireless network stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Passive Optical LAN Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia-Pacific is expected to dominate the market during the forecast period owing to the growing need for passive optical networks in the region and increase in data traffic, widespread usage of electronic devices by a significant number of clients. Asia Pacific is fastest growing region also during the forecast period, owing to factors such as technological advancement, expansion of fiber optic network in the region.

Major market player included in this report are:

Huawei Technologies Co. Ltd. (China)
Ericsson Inc. (Sweden)
Alcatel Lucent Sa (France)
Tyco electronics Connectivity Ltd. (Switzerland)
Adtran Inc. (U.S.)
ZTE Corporation (China)
Verizon Communications Inc. (U.S.)
Minnesota Mining Manufacturing Company (U.S)
Tellabs Inc. (U.S)
Zhone Technologies Inc. (U.S)

Recent Developments in the Market:

In August 2021, The Association for Passive Optical LAN (APOLAN), a non-profit organisation that promotes Passive Optical Local Area Networks (POL) education and adoption worldwide, declared that POL has advantages for improving and advancing wireless network design. To support the advancement of wireless technologies, fiber-based networks provide seamless scalability with unsurpassed speed, efficiency, and simplified architecture.

In May 2021, Data services using Gigabit Passive Optical Networking were introduced by AirFiber, an internet service provider firm headquartered in India.

Global Passive Optical LAN Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Component, Type, Application, End-User, Region
Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Component:

Optical Cables

Coupler

Power Splitter

Connector

By Type:

GPON

EPON

By Application:

Loop Feeder

Synchronous Optical Network

By End-User:

Manufacturing

BFIS

Education

Healthcare

Government

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
 - 1.2.1. Passive Optical LAN Market, by Region, 2020-2030 (USD Billion)
 - 1.2.2. Passive Optical LAN Market, by Component, 2020-2030 (USD Billion)
 - 1.2.3. Passive Optical LAN Market, by Type, 2020-2030 (USD Billion)
 - 1.2.4. Passive Optical LAN Market, by Application, 2020-2030 (USD Billion)
 - 1.2.5. Passive Optical LAN Market, by End-User, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL PASSIVE OPTICAL LAN MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Industry Evolution
 - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL PASSIVE OPTICAL LAN MARKET DYNAMICS

- 3.1. Passive Optical LAN Market Impact Analysis (2020-2030)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Growing demand for the high-speed internet
 - 3.1.1.2. Increasing popularity of green IT initiatives
 - 3.1.2. Market Challenges
 - 3.1.2.1. High installation cost
 - 3.1.2.2. Rising emergence of wireless network
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Rising technological advancements in Optical LAN
 - 3.1.3.2. Increasing demand of high bandwidth networks

CHAPTER 4. GLOBAL PASSIVE OPTICAL LAN MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL PASSIVE OPTICAL LAN MARKET, BY COMPONENT

- 5.1. Market Snapshot
- 5.2. Global Passive Optical LAN Market by Component, Performance - Potential Analysis
- 5.3. Global Passive Optical LAN Market Estimates & Forecasts by Component 2020-2030 (USD Billion)
- 5.4. Passive Optical LAN Market, Sub Segment Analysis
 - 5.4.1. Optical Cables
 - 5.4.2. Coupler
 - 5.4.3. Power Splitter
 - 5.4.4. Connector

CHAPTER 6. GLOBAL PASSIVE OPTICAL LAN MARKET, BY TYPE

- 6.1. Market Snapshot
- 6.2. Global Passive Optical LAN Market by Type, Performance - Potential Analysis
- 6.3. Global Passive Optical LAN Market Estimates & Forecasts by Type 2020-2030

(USD Billion)

6.4. Passive Optical LAN Market, Sub Segment Analysis

6.4.1. GPON

6.4.2. EPON

CHAPTER 7. GLOBAL PASSIVE OPTICAL LAN MARKET, BY APPLICATION

7.1. Market Snapshot

7.2. Global Passive Optical LAN Market by Application, Performance - Potential Analysis

7.3. Global Passive Optical LAN Market Estimates & Forecasts by Application 2020-2030 (USD Billion)

7.4. Passive Optical LAN Market, Sub Segment Analysis

7.4.1. Loop Feeder

7.4.2. Synchronous Optical Network

CHAPTER 8. GLOBAL PASSIVE OPTICAL LAN MARKET, BY END-USER

8.1. Market Snapshot

8.2. Global Passive Optical LAN Market by End-User, Performance - Potential Analysis

8.3. Global Passive Optical LAN Market Estimates & Forecasts by End-User 2020-2030 (USD Billion)

8.4. Passive Optical LAN Market, Sub Segment Analysis

8.4.1. Manufacturing

8.4.2. BFIS

8.4.3. Education

8.4.4. Healthcare

8.4.5. Government

CHAPTER 9. GLOBAL PASSIVE OPTICAL LAN MARKET, REGIONAL ANALYSIS

9.1. Top Leading Countries

9.2. Top Emerging Countries

9.3. Passive Optical LAN Market, Regional Market Snapshot

9.4. North America Passive Optical LAN Market

9.4.1. U.S. Passive Optical LAN Market

9.4.1.1. Component breakdown estimates & forecasts, 2020-2030

9.4.1.2. Type breakdown estimates & forecasts, 2020-2030

9.4.1.3. Application breakdown estimates & forecasts, 2020-2030

- 9.4.1.4. End-User breakdown estimates & forecasts, 2020-2030
- 9.4.2. Canada Passive Optical LAN Market
- 9.5. Europe Passive Optical LAN Market Snapshot
 - 9.5.1. U.K. Passive Optical LAN Market
 - 9.5.2. Germany Passive Optical LAN Market
 - 9.5.3. France Passive Optical LAN Market
 - 9.5.4. Spain Passive Optical LAN Market
 - 9.5.5. Italy Passive Optical LAN Market
 - 9.5.6. Rest of Europe Passive Optical LAN Market
- 9.6. Asia-Pacific Passive Optical LAN Market Snapshot
 - 9.6.1. China Passive Optical LAN Market
 - 9.6.2. India Passive Optical LAN Market
 - 9.6.3. Japan Passive Optical LAN Market
 - 9.6.4. Australia Passive Optical LAN Market
 - 9.6.5. South Korea Passive Optical LAN Market
 - 9.6.6. Rest of Asia Pacific Passive Optical LAN Market
- 9.7. Latin America Passive Optical LAN Market Snapshot
 - 9.7.1. Brazil Passive Optical LAN Market
 - 9.7.2. Mexico Passive Optical LAN Market
- 9.8. Middle East & Africa Passive Optical LAN Market
 - 9.8.1. Saudi Arabia Passive Optical LAN Market
 - 9.8.2. South Africa Passive Optical LAN Market
 - 9.8.3. Rest of Middle East & Africa Passive Optical LAN Market

CHAPTER 10. COMPETITIVE INTELLIGENCE

- 10.1. Key Company SWOT Analysis
 - 10.1.1. Company
 - 10.1.2. Company
 - 10.1.3. Company
- 10.2. Top Market Strategies
- 10.3. Company Profiles
 - 10.3.1. Huawei Technologies Co. Ltd. (China)
 - 10.3.1.1. Key Information
 - 10.3.1.2. Overview
 - 10.3.1.3. Financial (Subject to Data Availability)
 - 10.3.1.4. Product Summary
 - 10.3.1.5. Recent Developments
 - 10.3.2. Ericsson Inc. (Sweden)

- 10.3.3. Alcatel Lucent Sa (France)
- 10.3.4. Tyco electronics Connectivity Ltd. (Switzerland)
- 10.3.5. Adtran Inc. (U.S.)
- 10.3.6. ZTE Corporation (China)
- 10.3.7. Verizon Communications Inc. (U.S.)
- 10.3.8. Minnesota Mining Manufacturing Company (U.S)
- 10.3.9. Tellabs Inc. (U.S)
- 10.3.10. Zhone Technologies Inc. (U.S)

CHAPTER 11. RESEARCH PROCESS

- 11.1. Research Process
 - 11.1.1. Data Mining
 - 11.1.2. Analysis
 - 11.1.3. Market Estimation
 - 11.1.4. Validation
 - 11.1.5. Publishing
- 11.2. Research Attributes
- 11.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Passive Optical LAN Market, report scope

TABLE 2. Global Passive Optical LAN Market estimates & forecasts by Region
2020-2030 (USD Billion)

TABLE 3. Global Passive Optical LAN Market estimates & forecasts by Component
2020-2030 (USD Billion)

TABLE 4. Global Passive Optical LAN Market estimates & forecasts by Type 2020-2030
(USD Billion)

TABLE 5. Global Passive Optical LAN Market estimates & forecasts by Application
2020-2030 (USD Billion)

TABLE 6. Global Passive Optical LAN Market estimates & forecasts by End-User
2020-2030 (USD Billion)

TABLE 7. Global Passive Optical LAN Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 8. Global Passive Optical LAN Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 9. Global Passive Optical LAN Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 10. Global Passive Optical LAN Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 11. Global Passive Optical LAN Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 12. Global Passive Optical LAN Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 13. Global Passive Optical LAN Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 14. Global Passive Optical LAN Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 15. Global Passive Optical LAN Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 16. Global Passive Optical LAN Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 17. U.S. Passive Optical LAN Market estimates & forecasts, 2020-2030 (USD
Billion)

TABLE 18. U.S. Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 19. U.S. Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 20. Canada Passive Optical LAN Market estimates & forecasts, 2020-2030
(USD Billion)

TABLE 21. Canada Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 22. Canada Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 23. UK Passive Optical LAN Market estimates & forecasts, 2020-2030 (USD
Billion)

TABLE 24. UK Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 25. UK Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 26. Germany Passive Optical LAN Market estimates & forecasts, 2020-2030
(USD Billion)

TABLE 27. Germany Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 28. Germany Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 29. France Passive Optical LAN Market estimates & forecasts, 2020-2030 (USD
Billion)

TABLE 30. France Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 31. France Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 32. Italy Passive Optical LAN Market estimates & forecasts, 2020-2030 (USD
Billion)

TABLE 33. Italy Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 34. Italy Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 35. Spain Passive Optical LAN Market estimates & forecasts, 2020-2030 (USD
Billion)

TABLE 36. Spain Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 37. Spain Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 38. RoE Passive Optical LAN Market estimates & forecasts, 2020-2030 (USD

Billion)

TABLE 39. RoE Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 40. RoE Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 41. China Passive Optical LAN Market estimates & forecasts, 2020-2030 (USD
Billion)

TABLE 42. China Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 43. China Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 44. India Passive Optical LAN Market estimates & forecasts, 2020-2030 (USD
Billion)

TABLE 45. India Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 46. India Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 47. Japan Passive Optical LAN Market estimates & forecasts, 2020-2030 (USD
Billion)

TABLE 48. Japan Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 49. Japan Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 50. South Korea Passive Optical LAN Market estimates & forecasts, 2020-2030
(USD Billion)

TABLE 51. South Korea Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 52. South Korea Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 53. Australia Passive Optical LAN Market estimates & forecasts, 2020-2030
(USD Billion)

TABLE 54. Australia Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 55. Australia Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 56. RoAPAC Passive Optical LAN Market estimates & forecasts, 2020-2030
(USD Billion)

TABLE 57. RoAPAC Passive Optical LAN Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 58. RoAPAC Passive Optical LAN Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 59. Brazil Passive Optical LAN Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 60. Brazil Passive Optical LAN Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 61. Brazil Passive Optical LAN Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 62. Mexico Passive Optical LAN Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 63. Mexico Passive Optical LAN Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 64. Mexico Passive Optical LAN Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 65. RoLA Passive Optical LAN Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 66. RoLA Passive Optical LAN Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 67. RoLA Passive Optical LAN Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 68. Saudi Arabia Passive Optical LAN Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 69. South Africa Passive Optical LAN Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 70. RoMEA Passive Optical LAN Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 71. List of secondary sources, used in the study of global Passive Optical LAN Market

TABLE 72. List of primary sources, used in the study of global Passive Optical LAN Market

TABLE 73. Years considered for the study

TABLE 74. Exchange rates considered

List of tables and figures are dummy in nature, final lists may vary in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global Passive Optical LAN Market, research methodology
 - FIG 2. Global Passive Optical LAN Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global Passive Optical LAN Market, key trends 2022
 - FIG 5. Global Passive Optical LAN Market, growth prospects 2023-2030
 - FIG 6. Global Passive Optical LAN Market, porters 5 force model
 - FIG 7. Global Passive Optical LAN Market, pest analysis
 - FIG 8. Global Passive Optical LAN Market, value chain analysis
 - FIG 9. Global Passive Optical LAN Market by segment, 2020 & 2030 (USD Billion)
 - FIG 10. Global Passive Optical LAN Market by segment, 2020 & 2030 (USD Billion)
 - FIG 11. Global Passive Optical LAN Market by segment, 2020 & 2030 (USD Billion)
 - FIG 12. Global Passive Optical LAN Market by segment, 2020 & 2030 (USD Billion)
 - FIG 13. Global Passive Optical LAN Market by segment, 2020 & 2030 (USD Billion)
 - FIG 14. Global Passive Optical LAN Market, regional snapshot 2020 & 2030
 - FIG 15. North America Passive Optical LAN Market 2020 & 2030 (USD Billion)
 - FIG 16. Europe Passive Optical LAN Market 2020 & 2030 (USD Billion)
 - FIG 17. Asia pacific Passive Optical LAN Market 2020 & 2030 (USD Billion)
 - FIG 18. Latin America Passive Optical LAN Market 2020 & 2030 (USD Billion)
 - FIG 19. Middle East & Africa Passive Optical LAN Market 2020 & 2030 (USD Billion)
- List of tables and figures are dummy in nature, final lists may vary in the final deliverable

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