



Global Indium Phosphide Modulators Market by Size, by Type, by Application, by Region, History and Forecast 2021-2032

Industry	Published	Pages	Format
Electronics & Semiconductor	2026-07-05	199	PDF

Single User	Multi User	Enterprise
USD 3,950	USD 5,925	USD 7,900

Description

The global Indium Phosphide Modulators market is projected to grow from US\$ million in 2026 to US\$ million by 2032, implying a CAGR of % over 2026-2032.

The US & Canada market for Indium Phosphide Modulators is projected to increase from US\$ million in 2026 to US\$ million by 2032, at a CAGR of % over 2026-2032.

The Europe market for Indium Phosphide Modulators is projected to increase from US\$ million in 2026 to US\$ million by 2032, at a CAGR of % over 2026-2032.

The Asia Pacific market for Indium Phosphide Modulators is projected to increase from US\$ million in 2026 to US\$ million by 2032, at a CAGR of % over 2026-2032.

The China market for Indium Phosphide Modulators is projected to increase from US\$ million in 2026 to US\$ million by 2032, at a CAGR of % over 2026-2032.

Leading global manufacturers of Indium Phosphide Modulators include Cisco, Marvell, Intel, Ciena, Lumentum, Coherent, Fujitsu Optical Components, NEC and Sumitomo Electric, among others. In 2025, the top three vendors together accounted for approximately % of global revenue.

On the production side, the report examines Indium Phosphide Modulators output, growth rates, and market shares by manufacturer and by region (at regional and country level) for 2021-2026, with forecasts through 2032.

On the consumption side, the report analyzes sales of Indium Phosphide Modulators by region (regional and country level), company, type, and application for 2021-2026 and provides forecasts through 2032.

The report provides an overview of the global Indium Phosphide Modulators market in terms of capacity, output, revenue, and price, analyzing global market trends using historical revenue and sales data for 2021-2025, estimates for 2026, and projected CAGRs through 2032.

The study covers key producers of Indium Phosphide Modulators and consumption patterns in major regions and countries, assesses future market potential, and highlights priority regions and countries for segmenting the market into sub-sectors, with country-specific market value data for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, the Middle East, Africa, and other countries.

The report also presents Indium Phosphide Modulators sales, revenue, market share, and industry ranking for the main manufacturers for 2021-2026, identifies the major stakeholders in the global market, and analyzes their competitive landscape and market positioning based on recent developments and segmental revenues.

In addition, the report analyzes segment data by type and application—covering sales, revenue, and price—for 2021-2032, and evaluates and forecasts the Indium Phosphide Modulators market size, projected growth

trends, production technologies, key applications, and end-use industries.

Indium Phosphide Modulators Segment by Company

- Cisco
- Marvell
- Intel
- Ciena
- Lumentum
- Coherent
- Fujitsu Optical Components
- NEC
- Sumitomo Electric
- Effect Photonics
- Broadcom
- MACOM
- Source Photonics
- Kaia
- Hengtong Optic-Electric
- HiLight Semiconductor
- HyperLight
- Freedom Photonics
- Eoptolink Technology
- HG Genuine
- Innolight Technology
- Furukawa Electric
- Rockley Photonics

Indium Phosphide Modulators Segment by Type

- Bandwidth (10–25 GHz)
- Bandwidth (25–40 GHz)
- Bandwidth (>40 GHz)

Indium Phosphide Modulators Segment by Application

- Data Centers
- 5G/6G Networks
- High-Performance Computing
- Others

Indium Phosphide Modulators Segment by Region

- North America
 - United States
 - Canada
 - Mexico
- Europe
 - Germany
 - France
 - U.K.
 - Italy
 - Russia
 - Spain

Netherlands

Switzerland

Sweden

Poland

Asia-Pacific

China

Japan

South Korea

India

Australia

Taiwan

Southeast Asia

South America

Brazil

Argentina

Chile

Middle East & Africa

Egypt

South Africa

Israel

Türkiye

GCC Countries

Study Objectives

1. To analyze and research the global status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, capacity, production, 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 Indium Phosphide Modulators 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 Indium Phosphide Modulators 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 volume and value), 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 Indium Phosphide Modulators.

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

Chapter Outline

Chapter 1:

Provides an overview of the Indium Phosphide Modulators market, including product definition, global market growth prospects, production value, capacity, and average price forecasts (2021-2032).

Chapter 2:

Analysis key trends, drivers, challenges, and opportunities within the global Indium Phosphide Modulators industry.

Chapter 3:

Detailed analysis of Indium Phosphide Modulators market competition landscape. Including Indium Phosphide Modulators manufacturers' output value, output and average price from 2021 to 2026, as well as competition analysis indicators such as origin, product type, application, merger and acquisition information, etc.

Chapter 4:

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

Chapter 5:

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

Chapter 6:

Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 7:

Production/Production Value of Indium Phosphide Modulators by region. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 8:

Consumption of Indium Phosphide Modulators in regional level and country 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 production of each country in the world.

Chapter 9:

Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10:

Concluding Insights of the report.

Table of Contents

1 Market Overview

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
 - 1.2.1 Global Indium Phosphide Modulators Production Value Estimates and Forecasts (2021-2032)
 - 1.2.2 Global Indium Phosphide Modulators Production Capacity Estimates and Forecasts (2021-2032)
 - 1.2.3 Global Indium Phosphide Modulators Production Estimates and Forecasts (2021-2032)
 - 1.2.4 Global Indium Phosphide Modulators Market Average Price (2021-2032)
- 1.3 Assumptions and Limitations
- 1.4 Study Goals and Objectives

2 Global Indium Phosphide Modulators Market Dynamics

- 2.1 Indium Phosphide Modulators Industry Trends
- 2.2 Indium Phosphide Modulators Industry Drivers
- 2.3 Indium Phosphide Modulators Industry Opportunities and Challenges
- 2.4 Indium Phosphide Modulators Industry Restraints

3 Indium Phosphide Modulators Market by Manufacturers

- 3.1 Global Indium Phosphide Modulators Production Value by Manufacturers (2021-2026)
- 3.2 Global Indium Phosphide Modulators Production by Manufacturers (2021-2026)
- 3.3 Global Indium Phosphide Modulators Average Price by Manufacturers (2021-2026)
- 3.4 Global Indium Phosphide Modulators Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- 3.5 Global Indium Phosphide Modulators Key Manufacturers Manufacturing Sites & Headquarters
- 3.6 Global Indium Phosphide Modulators Manufacturers, Product Type & Application
- 3.7 Global Indium Phosphide Modulators Manufacturers Established Date
- 3.8 Market Competitive Analysis
 - 3.8.1 Global Indium Phosphide Modulators Market CR5 and HHI
 - 3.8.2 Global Top 5 and 10 Indium Phosphide Modulators Players Market Share by Production Value in 2025
 - 3.8.3 2025 Indium Phosphide Modulators Tier 1, Tier 2, and Tier 3

4 Indium Phosphide Modulators Market by Type

- 4.1 Indium Phosphide Modulators Type Introduction
 - 4.1.1 Bandwidth (10–25 GHz)
 - 4.1.2 Bandwidth (25–40 GHz)
 - 4.1.3 Bandwidth (>40 GHz)
- 4.2 Global Indium Phosphide Modulators Production by Type
 - 4.2.1 Global Indium Phosphide Modulators Production by Type (2021 VS 2025 VS 2032)
 - 4.2.2 Global Indium Phosphide Modulators Production by Type (2021-2032)
 - 4.2.3 Global Indium Phosphide Modulators Production Market Share by Type (2021-2032)
- 4.3 Global Indium Phosphide Modulators Production Value by Type
 - 4.3.1 Global Indium Phosphide Modulators Production Value by Type (2021 VS 2025 VS 2032)
 - 4.3.2 Global Indium Phosphide Modulators Production Value by Type (2021-2032)
 - 4.3.3 Global Indium Phosphide Modulators Production Value Market Share by Type (2021-2032)

5 Indium Phosphide Modulators Market by Application

- 5.1 Indium Phosphide Modulators Application Introduction
 - 5.1.1 Data Centers

5.1.2 5G/6G Networks

5.1.3 High-Performance Computing

5.1.4 Others

5.2 Global Indium Phosphide Modulators Production by Application

5.2.1 Global Indium Phosphide Modulators Production by Application (2021 VS 2025 VS 2032)

5.2.2 Global Indium Phosphide Modulators Production by Application (2021-2032)

5.2.3 Global Indium Phosphide Modulators Production Market Share by Application (2021-2032)

5.3 Global Indium Phosphide Modulators Production Value by Application

5.3.1 Global Indium Phosphide Modulators Production Value by Application (2021 VS 2025 VS 2032)

5.3.2 Global Indium Phosphide Modulators Production Value by Application (2021-2032)

5.3.3 Global Indium Phosphide Modulators Production Value Market Share by Application (2021-2032)

6 Company Profiles

6.1 Cisco

6.1.1 Cisco Company Information

6.1.2 Cisco Business Overview

6.1.3 Cisco Indium Phosphide Modulators Production, Value and Gross Margin (2021-2026)

6.1.4 Cisco Indium Phosphide Modulators Product Portfolio

6.1.5 Cisco Recent Developments

6.2 Marvell

6.2.1 Marvell Company Information

6.2.2 Marvell Business Overview

6.2.3 Marvell Indium Phosphide Modulators Production, Value and Gross Margin (2021-2026)

6.2.4 Marvell Indium Phosphide Modulators Product Portfolio

6.2.5 Marvell Recent Developments

6.3 Intel

6.3.1 Intel Company Information

6.3.2 Intel Business Overview

6.3.3 Intel Indium Phosphide Modulators Production, Value and Gross Margin (2021-2026)

6.3.4 Intel Indium Phosphide Modulators Product Portfolio

6.3.5 Intel Recent Developments

6.4 Ciena

6.4.1 Ciena Company Information

6.4.2 Ciena Business Overview

6.4.3 Ciena Indium Phosphide Modulators Production, Value and Gross Margin (2021-2026)

6.4.4 Ciena Indium Phosphide Modulators Product Portfolio

6.4.5 Ciena Recent Developments

6.5 Lumentum

6.5.1 Lumentum Company Information

6.5.2 Lumentum Business Overview

6.5.3 Lumentum Indium Phosphide Modulators Production, Value and Gross Margin (2021-2026)

6.5.4 Lumentum Indium Phosphide Modulators Product Portfolio

6.5.5 Lumentum Recent Developments

6.6 Coherent

6.6.1 Coherent Company Information

6.6.2 Coherent Business Overview

6.6.3 Coherent Indium Phosphide Modulators Production, Value and Gross Margin (2021-2026)

6.6.4 Coherent Indium Phosphide Modulators Product Portfolio

6.6.5 Coherent Recent Developments

6.7 Fujitsu Optical Components

- 6.7.1 Fujitsu Optical Components Company Information
- 6.7.2 Fujitsu Optical Components Business Overview
- 6.7.3 Fujitsu Optical Components Indium Phosphide Modulators Production, Value and Gross Margin (2021-2026)
- 6.7.4 Fujitsu Optical Components Indium Phosphide Modulators Product Portfolio
- 6.7.5 Fujitsu Optical Components Recent Developments

6.8 NEC

- 6.8.1 NEC Company Information
- 6.8.2 NEC Business Overview
- 6.8.3 NEC Indium Phosphide Modulators Production, Value and Gross Margin (2021-2026)
- 6.8.4 NEC Indium Phosphide Modulators Product Portfolio
- 6.8.5 NEC Recent Developments

6.9 Sumitomo Electric

- 6.9.1 Sumitomo Electric Company Information
- 6.9.2 Sumitomo Electric Business Overview
- 6.9.3 Sumitomo Electric Indium Phosphide Modulators Production, Value and Gross Margin (2021-2026)
- 6.9.4 Sumitomo Electric Indium Phosphide Modulators Product Portfolio
- 6.9.5 Sumitomo Electric Recent Developments

6.10 Effect Photonics

- 6.10.1 Effect Photonics Company Information
- 6.10.2 Effect Photonics Business Overview
- 6.10.3 Effect Photonics Indium Phosphide Modulators Production, Value and Gross Margin (2021-2026)
- 6.10.4 Effect Photonics Indium Phosphide Modulators Product Portfolio
- 6.10.5 Effect Photonics Recent Developments

6.11 Broadcom

- 6.11.1 Broadcom Company Information
- 6.11.2 Broadcom Business Overview
- 6.11.3 Broadcom Indium Phosphide Modulators Production, Value and Gross Margin (2021-2026)
- 6.11.4 Broadcom Indium Phosphide Modulators Product Portfolio
- 6.11.5 Broadcom Recent Developments

6.12 MACOM

- 6.12.1 MACOM Company Information
- 6.12.2 MACOM Business Overview
- 6.12.3 MACOM Indium Phosphide Modulators Production, Value and Gross Margin (2021-2026)
- 6.12.4 MACOM Indium Phosphide Modulators Product Portfolio
- 6.12.5 MACOM Recent Developments

6.13 Source Photonics

- 6.13.1 Source Photonics Company Information
- 6.13.2 Source Photonics Business Overview
- 6.13.3 Source Photonics Indium Phosphide Modulators Production, Value and Gross Margin (2021-2026)
- 6.13.4 Source Photonics Indium Phosphide Modulators Product Portfolio
- 6.13.5 Source Photonics Recent Developments

6.14 Kaiam

- 6.14.1 Kaiam Company Information
- 6.14.2 Kaiam Business Overview
- 6.14.3 Kaiam Indium Phosphide Modulators Production, Value and Gross Margin (2021-2026)
- 6.14.4 Kaiam Indium Phosphide Modulators Product Portfolio
- 6.14.5 Kaiam Recent Developments

- 6.15 Hengtong Optic-Electric
 - 6.15.1 Hengtong Optic-Electric Company Information
 - 6.15.2 Hengtong Optic-Electric Business Overview
 - 6.15.3 Hengtong Optic-Electric Indium Phosphide Modulators Production, Value and Gross Margin (2021-2026)
 - 6.15.4 Hengtong Optic-Electric Indium Phosphide Modulators Product Portfolio
 - 6.15.5 Hengtong Optic-Electric Recent Developments
- 6.16 HiLight Semiconductor
 - 6.16.1 HiLight Semiconductor Company Information
 - 6.16.2 HiLight Semiconductor Business Overview
 - 6.16.3 HiLight Semiconductor Indium Phosphide Modulators Production, Value and Gross Margin (2021-2026)
 - 6.16.4 HiLight Semiconductor Indium Phosphide Modulators Product Portfolio
 - 6.16.5 HiLight Semiconductor Recent Developments
- 6.17 HyperLight
 - 6.17.1 HyperLight Company Information
 - 6.17.2 HyperLight Business Overview
 - 6.17.3 HyperLight Indium Phosphide Modulators Production, Value and Gross Margin (2021-2026)
 - 6.17.4 HyperLight Indium Phosphide Modulators Product Portfolio
 - 6.17.5 HyperLight Recent Developments
- 6.18 Freedom Photonics
 - 6.18.1 Freedom Photonics Company Information
 - 6.18.2 Freedom Photonics Business Overview
 - 6.18.3 Freedom Photonics Indium Phosphide Modulators Production, Value and Gross Margin (2021-2026)
 - 6.18.4 Freedom Photonics Indium Phosphide Modulators Product Portfolio
 - 6.18.5 Freedom Photonics Recent Developments
- 6.19 Eoptolink Technology
 - 6.19.1 Eoptolink Technology Company Information
 - 6.19.2 Eoptolink Technology Business Overview
 - 6.19.3 Eoptolink Technology Indium Phosphide Modulators Production, Value and Gross Margin (2021-2026)
 - 6.19.4 Eoptolink Technology Indium Phosphide Modulators Product Portfolio
 - 6.19.5 Eoptolink Technology Recent Developments
- 6.20 HG Genuine
 - 6.20.1 HG Genuine Company Information
 - 6.20.2 HG Genuine Business Overview
 - 6.20.3 HG Genuine Indium Phosphide Modulators Production, Value and Gross Margin (2021-2026)
 - 6.20.4 HG Genuine Indium Phosphide Modulators Product Portfolio
 - 6.20.5 HG Genuine Recent Developments
- 6.21 Innolight Technology
 - 6.21.1 Innolight Technology Company Information
 - 6.21.2 Innolight Technology Business Overview
 - 6.21.3 Innolight Technology Indium Phosphide Modulators Production, Value and Gross Margin (2021-2026)
 - 6.21.4 Innolight Technology Indium Phosphide Modulators Product Portfolio
 - 6.21.5 Innolight Technology Recent Developments
- 6.22 Furukawa Electric
 - 6.22.1 Furukawa Electric Company Information
 - 6.22.2 Furukawa Electric Business Overview
 - 6.22.3 Furukawa Electric Indium Phosphide Modulators Production, Value and Gross Margin (2021-2026)
 - 6.22.4 Furukawa Electric Indium Phosphide Modulators Product Portfolio
 - 6.22.5 Furukawa Electric Recent Developments

6.23 Rockley Photonics

- 6.23.1 Rockley Photonics Company Information
- 6.23.2 Rockley Photonics Business Overview
- 6.23.3 Rockley Photonics Indium Phosphide Modulators Production, Value and Gross Margin (2021-2026)
- 6.23.4 Rockley Photonics Indium Phosphide Modulators Product Portfolio
- 6.23.5 Rockley Photonics Recent Developments

7 Global Indium Phosphide Modulators Production by Region

- 7.1 Global Indium Phosphide Modulators Production by Region: 2021 VS 2025 VS 2032
- 7.2 Global Indium Phosphide Modulators Production by Region (2021-2032)
 - 7.2.1 Global Indium Phosphide Modulators Production by Region (2021-2026)
 - 7.2.2 Global Indium Phosphide Modulators Production Forecast by Region (2027-2032)
- 7.3 Global Indium Phosphide Modulators Production by Region: 2021 VS 2025 VS 2032
- 7.4 Global Indium Phosphide Modulators Production Value by Region (2021-2032)
 - 7.4.1 Global Indium Phosphide Modulators Production Value by Region (2021-2026)
 - 7.4.2 Global Indium Phosphide Modulators Production Value by Region (2027-2032)
- 7.5 Global Indium Phosphide Modulators Market Price Analysis by Region (2021-2032)
- 7.6 Regional Production Value Trends (2021-2032)
 - 7.6.1 North America Indium Phosphide Modulators Production Value (2021-2032)
 - 7.6.2 Europe Indium Phosphide Modulators Production Value (2021-2032)
 - 7.6.3 Asia-Pacific Indium Phosphide Modulators Production Value (2021-2032)
 - 7.6.4 South America Indium Phosphide Modulators Production Value (2021-2032)
 - 7.6.5 Middle East & Africa Indium Phosphide Modulators Production Value (2021-2032)

8 Global Indium Phosphide Modulators Consumption by Region

- 8.1 Global Indium Phosphide Modulators Consumption by Region: 2021 VS 2025 VS 2032
- 8.2 Global Indium Phosphide Modulators Consumption by Region (2021-2032)
 - 8.2.1 Global Indium Phosphide Modulators Consumption by Region (2021-2026)
 - 8.2.2 Global Indium Phosphide Modulators Consumption by Region (2027-2032)
- 8.3 North America
 - 8.3.1 North America Indium Phosphide Modulators Consumption Growth Rate by Country: 2021 VS 2025 VS 2032
 - 8.3.2 North America Indium Phosphide Modulators Consumption by Country (2021-2032)
 - 8.3.3 U.S.
 - 8.3.4 Canada
 - 8.3.5 Mexico
- 8.4 Europe
 - 8.4.1 Europe Indium Phosphide Modulators Consumption Growth Rate by Country: 2021 VS 2025 VS 2032
 - 8.4.2 Europe Indium Phosphide Modulators Consumption by Country (2021-2032)
 - 8.4.3 Germany
 - 8.4.4 France
 - 8.4.5 U.K.
 - 8.4.6 Italy
 - 8.4.7 Netherlands
- 8.5 Asia Pacific
 - 8.5.1 Asia Pacific Indium Phosphide Modulators Consumption Growth Rate by Country: 2021 VS 2025 VS 2032
 - 8.5.2 Asia Pacific Indium Phosphide Modulators Consumption by Country (2021-2032)
 - 8.5.3 China
 - 8.5.4 Japan
 - 8.5.5 South Korea

8.5.6 Southeast Asia

8.5.7 India

8.5.8 Australia

8.6 South America

8.6.1 South America Indium Phosphide Modulators Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

8.6.2 South America Indium Phosphide Modulators Consumption by Country (2021-2032)

8.6.3 Brazil

8.6.4 Argentina

8.6.5 Chile

8.6.6 Colombia

8.7 Middle East & Africa

8.7.1 Middle East & Africa Indium Phosphide Modulators Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

8.7.2 Middle East & Africa Indium Phosphide Modulators Consumption by Country (2021-2032)

8.7.3 Egypt

8.7.4 South Africa

8.7.5 Israel

8.7.6 Türkiye

8.7.7 GCC Countries

9 Value Chain and Sales Channels Analysis

9.1 Indium Phosphide Modulators Value Chain Analysis

9.1.1 Indium Phosphide Modulators Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Manufacturing Cost Structure

9.1.4 Indium Phosphide Modulators Production Mode & Process

9.2 Indium Phosphide Modulators Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 Indium Phosphide Modulators Distributors

9.2.3 Indium Phosphide Modulators Customers

10 Concluding Insights

11 Appendix

11.1 Reasons for Doing This Study

11.2 Research Methodology

11.3 Research Process

11.4 Authors List of This Report

11.5 Data Source

11.5.1 Secondary Sources

11.5.2 Primary Sources

11.6 Disclaimer

List of Tables and Figures

List of Tables:

- Table 1: Indium Phosphide Modulators Industry Trends
- Table 2: Indium Phosphide Modulators Industry Drivers
- Table 3: Indium Phosphide Modulators Industry Opportunities and Challenges
- Table 4: Indium Phosphide Modulators Industry Restraints
- Table 5: Global Indium Phosphide Modulators Production Value by Manufacturers (US\$ Million) & (2021-2026)
- Table 6: Global Indium Phosphide Modulators Production Value Share by Manufacturers (2021-2026)
- Table 7: Global Indium Phosphide Modulators Production by Manufacturers (k units) & (2021-2026)
- Table 8: Global Indium Phosphide Modulators Production Market Share by Manufacturers
- Table 9: Global Indium Phosphide Modulators Average Price (USD/unit) of Manufacturers (2021-2026)
- Table 10: Global Indium Phosphide Modulators Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- Table 11: Global Indium Phosphide Modulators Key Manufacturers Manufacturing Sites & Headquarters
- Table 12: Global Indium Phosphide Modulators Manufacturers, Product Type & Application
- Table 13: Global Indium Phosphide Modulators Manufacturers Established Date
- Table 14: Global Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 15: Global Indium Phosphide Modulators by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2025)
- Table 16: Major Manufacturers of Bandwidth (10–25 GHz)
- Table 17: Major Manufacturers of Bandwidth (25–40 GHz)
- Table 18: Major Manufacturers of Bandwidth (>40 GHz)
- Table 19: Global Indium Phosphide Modulators Production by Type 2021 VS 2025 VS 2032 (k units)
- Table 20: Global Indium Phosphide Modulators Production by Type (2021-2026) & (k units)
- Table 21: Global Indium Phosphide Modulators Production by Type (2027-2032) & (k units)
- Table 22: Global Indium Phosphide Modulators Production Market Share by Type (2021-2026)
- Table 23: Global Indium Phosphide Modulators Production Market Share by Type (2027-2032)
- Table 24: Global Indium Phosphide Modulators Production Value by Type 2021 VS 2025 VS 2032 (k units)
- Table 25: Global Indium Phosphide Modulators Production Value by Type (2021-2026) & (k units)
- Table 26: Global Indium Phosphide Modulators Production Value by Type (2027-2032) & (k units)
- Table 27: Global Indium Phosphide Modulators Production Value Market Share by Type (2021-2026)
- Table 28: Global Indium Phosphide Modulators Production Value Market Share by Type (2027-2032)
- Table 29: Major Manufacturers of Data Centers
- Table 30: Major Manufacturers of 5G/6G Networks
- Table 31: Major Manufacturers of High-Performance Computing
- Table 32: Major Manufacturers of Others
- Table 33: Global Indium Phosphide Modulators Production by Application 2021 VS 2025 VS 2032 (k units)
- Table 34: Global Indium Phosphide Modulators Production by Application (2021-2026) & (k units)
- Table 35: Global Indium Phosphide Modulators Production by Application (2027-2032) & (k units)
- Table 36: Global Indium Phosphide Modulators Production Market Share by Application (2021-2026)
- Table 37: Global Indium Phosphide Modulators Production Market Share by Application (2027-2032)
- Table 38: Global Indium Phosphide Modulators Production Value by Application 2021 VS 2025 VS 2032 (k units)
- Table 39: Global Indium Phosphide Modulators Production Value by Application (2021-2026) & (k units)
- Table 40: Global Indium Phosphide Modulators Production Value by Application (2027-2032) & (k units)
- Table 41: Global Indium Phosphide Modulators Production Value Market Share by Application (2021-2026)
- Table 42: Global Indium Phosphide Modulators Production Value Market Share by Application (2027-2032)
- Table 43: Cisco Company Information
- Table 44: Cisco Business Overview
- Table 45: Cisco Indium Phosphide Modulators Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 46: Cisco Indium Phosphide Modulators Product Portfolio
- Table 47: Cisco Recent Development
- Table 48: Marvell Company Information
- Table 49: Marvell Business Overview
- Table 50: Marvell Indium Phosphide Modulators Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 51: Marvell Indium Phosphide Modulators Product Portfolio
- Table 52: Marvell Recent Development

- Table 53: Intel Company Information
- Table 54: Intel Business Overview
- Table 55: Intel Indium Phosphide Modulators Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 56: Intel Indium Phosphide Modulators Product Portfolio
- Table 57: Intel Recent Development
- Table 58: Ciena Company Information
- Table 59: Ciena Business Overview
- Table 60: Ciena Indium Phosphide Modulators Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 61: Ciena Indium Phosphide Modulators Product Portfolio
- Table 62: Ciena Recent Development
- Table 63: Lumentum Company Information
- Table 64: Lumentum Business Overview
- Table 65: Lumentum Indium Phosphide Modulators Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 66: Lumentum Indium Phosphide Modulators Product Portfolio
- Table 67: Lumentum Recent Development
- Table 68: Coherent Company Information
- Table 69: Coherent Business Overview
- Table 70: Coherent Indium Phosphide Modulators Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 71: Coherent Indium Phosphide Modulators Product Portfolio
- Table 72: Coherent Recent Development
- Table 73: Fujitsu Optical Components Company Information
- Table 74: Fujitsu Optical Components Business Overview
- Table 75: Fujitsu Optical Components Indium Phosphide Modulators Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 76: Fujitsu Optical Components Indium Phosphide Modulators Product Portfolio
- Table 77: Fujitsu Optical Components Recent Development
- Table 78: NEC Company Information
- Table 79: NEC Business Overview
- Table 80: NEC Indium Phosphide Modulators Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 81: NEC Indium Phosphide Modulators Product Portfolio
- Table 82: NEC Recent Development
- Table 83: Sumitomo Electric Company Information
- Table 84: Sumitomo Electric Business Overview
- Table 85: Sumitomo Electric Indium Phosphide Modulators Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 86: Sumitomo Electric Indium Phosphide Modulators Product Portfolio
- Table 87: Sumitomo Electric Recent Development
- Table 88: Effect Photonics Company Information
- Table 89: Effect Photonics Business Overview
- Table 90: Effect Photonics Indium Phosphide Modulators Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 91: Effect Photonics Indium Phosphide Modulators Product Portfolio
- Table 92: Effect Photonics Recent Development
- Table 93: Broadcom Company Information
- Table 94: Broadcom Business Overview
- Table 95: Broadcom Indium Phosphide Modulators Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 96: Broadcom Indium Phosphide Modulators Product Portfolio
- Table 97: Broadcom Recent Development
- Table 98: MACOM Company Information
- Table 99: MACOM Business Overview
- Table 100: MACOM Indium Phosphide Modulators Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 101: MACOM Indium Phosphide Modulators Product Portfolio
- Table 102: MACOM Recent Development
- Table 103: Source Photonics Company Information
- Table 104: Source Photonics Business Overview
- Table 105: Source Photonics Indium Phosphide Modulators Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 106: Source Photonics Indium Phosphide Modulators Product Portfolio

- Table 107: Source Photonics Recent Development
- Table 108: Kaiam Company Information
- Table 109: Kaiam Business Overview
- Table 110: Kaiam Indium Phosphide Modulators Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 111: Kaiam Indium Phosphide Modulators Product Portfolio
- Table 112: Kaiam Recent Development
- Table 113: Hengtong Optic-Electric Company Information
- Table 114: Hengtong Optic-Electric Business Overview
- Table 115: Hengtong Optic-Electric Indium Phosphide Modulators Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 116: Hengtong Optic-Electric Indium Phosphide Modulators Product Portfolio
- Table 117: Hengtong Optic-Electric Recent Development
- Table 118: HiLight Semiconductor Company Information
- Table 119: HiLight Semiconductor Business Overview
- Table 120: HiLight Semiconductor Indium Phosphide Modulators Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 121: HiLight Semiconductor Indium Phosphide Modulators Product Portfolio
- Table 122: HiLight Semiconductor Recent Development
- Table 123: HyperLight Company Information
- Table 124: HyperLight Business Overview
- Table 125: HyperLight Indium Phosphide Modulators Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 126: HyperLight Indium Phosphide Modulators Product Portfolio
- Table 127: HyperLight Recent Development
- Table 128: Freedom Photonics Company Information
- Table 129: Freedom Photonics Business Overview
- Table 130: Freedom Photonics Indium Phosphide Modulators Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 131: Freedom Photonics Indium Phosphide Modulators Product Portfolio
- Table 132: Freedom Photonics Recent Development
- Table 133: Eoptolink Technology Company Information
- Table 134: Eoptolink Technology Business Overview
- Table 135: Eoptolink Technology Indium Phosphide Modulators Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 136: Eoptolink Technology Indium Phosphide Modulators Product Portfolio
- Table 137: Eoptolink Technology Recent Development
- Table 138: HG Genuine Company Information
- Table 139: HG Genuine Business Overview
- Table 140: HG Genuine Indium Phosphide Modulators Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 141: HG Genuine Indium Phosphide Modulators Product Portfolio
- Table 142: HG Genuine Recent Development
- Table 143: Innolight Technology Company Information
- Table 144: Innolight Technology Business Overview
- Table 145: Innolight Technology Indium Phosphide Modulators Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 146: Innolight Technology Indium Phosphide Modulators Product Portfolio
- Table 147: Innolight Technology Recent Development
- Table 148: Furukawa Electric Company Information
- Table 149: Furukawa Electric Business Overview
- Table 150: Furukawa Electric Indium Phosphide Modulators Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 151: Furukawa Electric Indium Phosphide Modulators Product Portfolio
- Table 152: Furukawa Electric Recent Development
- Table 153: Rockley Photonics Company Information
- Table 154: Rockley Photonics Business Overview
- Table 155: Rockley Photonics Indium Phosphide Modulators Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 156: Rockley Photonics Indium Phosphide Modulators Product Portfolio
- Table 157: Rockley Photonics Recent Development
- Table 158: Global Indium Phosphide Modulators Production by Region: 2021 VS 2025 VS 2032 (k units)
- Table 159: Global Indium Phosphide Modulators Production by Region (2021-2026) & (k units)
- Table 160: Global Indium Phosphide Modulators Production Market Share by Region (2021-2026)
- Table 161: Global Indium Phosphide Modulators Production Forecast by Region (2027-2032) & (k units)

- Table 162: Global Indium Phosphide Modulators Production Market Share Forecast by Region (2027-2032)
- Table 163: Global Indium Phosphide Modulators Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Table 164: Global Indium Phosphide Modulators Production Value by Region (2021-2026) & (US\$ Million)
- Table 165: Global Indium Phosphide Modulators Production Value Share by Region (2021-2026)
- Table 166: Global Indium Phosphide Modulators Production Value by Region (2027-2032) & (US\$ Million)
- Table 167: Global Indium Phosphide Modulators Production Value Share by Region: (2027-2032) & (US\$ Million)
- Table 168: Global Indium Phosphide Modulators Market Average Price (USD/unit) by Region (2021-2026)
- Table 169: Global Indium Phosphide Modulators Market Average Price (USD/unit) by Region (2027-2032)
- Table 170: Global Indium Phosphide Modulators Consumption by Region: 2021 VS 2025 VS 2032 (k units)
- Table 171: Global Indium Phosphide Modulators Consumption by Region (2021-2026) & (k units)
- Table 172: Global Indium Phosphide Modulators Consumption Market Share by Region (2021-2026)
- Table 173: Global Indium Phosphide Modulators Consumption Forecasted by Region (2027-2032) & (k units)
- Table 174: Global Indium Phosphide Modulators Consumption Forecasted Market Share by Region (2027-2032)
- Table 175: North America Indium Phosphide Modulators Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 176: North America Indium Phosphide Modulators Consumption by Country (2021-2026) & (k units)
- Table 177: North America Indium Phosphide Modulators Consumption by Country (2027-2032) & (k units)
- Table 178: Europe Indium Phosphide Modulators Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 179: Europe Indium Phosphide Modulators Consumption by Country (2021-2026) & (k units)
- Table 180: Europe Indium Phosphide Modulators Consumption by Country (2027-2032) & (k units)
- Table 181: Asia Pacific Indium Phosphide Modulators Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 182: Asia Pacific Indium Phosphide Modulators Consumption by Country (2021-2026) & (k units)
- Table 183: Asia Pacific Indium Phosphide Modulators Consumption by Country (2027-2032) & (k units)
- Table 184: South America Indium Phosphide Modulators Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 185: South America Indium Phosphide Modulators Consumption by Country (2021-2026) & (k units)
- Table 186: South America Indium Phosphide Modulators Consumption by Country (2027-2032) & (k units)
- Table 187: Middle East & Africa Indium Phosphide Modulators Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 188: Middle East & Africa Indium Phosphide Modulators Consumption by Country (2021-2026) & (k units)
- Table 189: Middle East & Africa Indium Phosphide Modulators Consumption by Country (2027-2032) & (k units)
- Table 190: Key Raw Materials
- Table 191: Raw Materials Key Suppliers
- Table 192: Indium Phosphide Modulators Distributors List
- Table 193: Indium Phosphide Modulators Customers List
- Table 194: Research Programs/Design for This Report
- Table 195: Authors List of This Report
- Table 196: Secondary Sources
- Table 197: Primary Sources

List of Figures:

- Figure 1: Indium Phosphide Modulators Product Image
- Figure 2: Global Indium Phosphide Modulators Production Value (US\$ Million), 2021 VS 2025 VS 2032
- Figure 3: Global Indium Phosphide Modulators Production Value (2021-2032) & (US\$ Million)
- Figure 4: Global Indium Phosphide Modulators Production Capacity (2021-2032) & (k units)
- Figure 5: Global Indium Phosphide Modulators Production (2021-2032) & (k units)
- Figure 6: Global Indium Phosphide Modulators Average Price (USD/unit) & (2021-2032)
- Figure 7: Global Top 5 and 10 Indium Phosphide Modulators Players Market Share by Production Value in 2025
- Figure 8: Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2021 VS 2025
- Figure 9: Bandwidth (10–25 GHz) Image
- Figure 10: Bandwidth (25–40 GHz) Image
- Figure 11: Bandwidth (>40 GHz) Image
- Figure 12: Global Indium Phosphide Modulators Production by Type (2021 VS 2025 VS 2032) & (k units)
- Figure 13: Global Indium Phosphide Modulators Production Market Share 2021 VS 2025 VS 2032
- Figure 14: Global Indium Phosphide Modulators Production Market Share by Type (2021-2032)
- Figure 15: Global Indium Phosphide Modulators Production Value by Type (2021 VS 2025 VS 2032) & (k units)
- Figure 16: Global Indium Phosphide Modulators Production Value Share 2021 VS 2025 VS 2032
- Figure 17: Global Indium Phosphide Modulators Production Value Share by Type (2021-2032)
- Figure 18: Data Centers Image
- Figure 19: 5G/6G Networks Image
- Figure 20: High-Performance Computing Image
- Figure 21: Others Image

- Figure 22: Global Indium Phosphide Modulators Production by Application (2021 VS 2025 VS 2032) & (k units)
- Figure 23: Global Indium Phosphide Modulators Production Market Share 2021 VS 2025 VS 2032
- Figure 24: Global Indium Phosphide Modulators Production Market Share by Application (2021-2032)
- Figure 25: Global Indium Phosphide Modulators Production Value by Application (2021 VS 2025 VS 2032) & (k units)
- Figure 26: Global Indium Phosphide Modulators Production Value Share 2021 VS 2025 VS 2032
- Figure 27: Global Indium Phosphide Modulators Production Value Share by Application (2021-2032)
- Figure 28: Global Indium Phosphide Modulators Production by Region: 2021 VS 2025 VS 2032 (k units)
- Figure 29: Global Indium Phosphide Modulators Production Market Share by Region: 2021 VS 2025 VS 2032
- Figure 30: Global Indium Phosphide Modulators Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 31: Global Indium Phosphide Modulators Production Value Share by Region: 2021 VS 2025 VS 2032
- Figure 32: North America Indium Phosphide Modulators Production Value (2021-2032) & (US\$ Million)
- Figure 33: Europe Indium Phosphide Modulators Production Value (2021-2032) & (US\$ Million)
- Figure 34: Asia-Pacific Indium Phosphide Modulators Production Value (2021-2032) & (US\$ Million)
- Figure 35: South America Indium Phosphide Modulators Production Value (2021-2032) & (US\$ Million)
- Figure 36: Middle East & Africa Indium Phosphide Modulators Production Value (2021-2032) & (US\$ Million)
- Figure 37: North America Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 38: North America Indium Phosphide Modulators Consumption Market Share by Country (2021-2032)
- Figure 39: U.S. Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 40: Canada Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 41: Mexico Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 42: Europe Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 43: Europe Indium Phosphide Modulators Consumption Market Share by Country (2021-2032)
- Figure 44: Germany Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 45: France Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 46: U.K. Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 47: Italy Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 48: Netherlands Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 49: Asia Pacific Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 50: Asia Pacific Indium Phosphide Modulators Consumption Market Share by Country (2021-2032)
- Figure 51: China Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 52: Japan Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 53: South Korea Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 54: Southeast Asia Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 55: India Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 56: Australia Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 57: South America Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 58: South America Indium Phosphide Modulators Consumption Market Share by Country (2021-2032)
- Figure 59: Brazil Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 60: Argentina Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 61: Chile Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 62: Middle East & Africa Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 63: Middle East & Africa Indium Phosphide Modulators Consumption Market Share by Country (2021-2032)
- Figure 64: Egypt Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 65: South Africa Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 66: Israel Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 67: Türkiye Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 68: GCC Countries Indium Phosphide Modulators Consumption and Growth Rate (2021-2032) & (k units)
- Figure 69: Indium Phosphide Modulators Value Chain
- Figure 70: Manufacturing Cost Structure
- Figure 71: Indium Phosphide Modulators Production Mode & Process
- Figure 72: Direct Comparison with Distribution Share
- Figure 73: Distributors Profiles
- Figure 74: Years Considered
- Figure 75: Research Process
- Figure 76: Key Executives Interviewed