

Global On-Board Optics Modules Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G793264E21CAEN.html>

Date: June 2026

Pages: 140

Price: US\$ 4,480.00 (Single User License)

ID: G793264E21CAEN

Abstracts

The global On-Board Optics Modules market size is expected to reach \$ 9339 million by 2032, rising at a market growth of 18.8% CAGR during the forecast period (2026-2032).

In 2025, global On-Board Optics Module output reached about 45 million units and global capacity of around 55 million units. The average price is about USD 60 per unit, with gross margins near 38%. On-Board Optics (OBO) Modules are high-speed optical communication modules mounted directly onto a switch, router, accelerator, or server motherboard inside data center and telecom equipment, instead of using pluggable optical transceivers at the front panel. OBO modules integrate optical engines, lasers, photodetectors, driver ICs, DSP chips, fiber connectors, and thermal management components to provide ultra-high bandwidth, lower power consumption, reduced signal loss, and improved port density for AI clusters, hyperscale cloud data centers, high-performance computing (HPC), and next-generation telecom networks. The supply chain starts upstream with semiconductor wafers, silicon photonics chips, III-V laser materials, optical lenses, optical fibers, substrates, PCBs, DSP/ASIC chips, and packaging materials supplied by photonics, semiconductor, and specialty materials companies. Midstream activities include optical engine manufacturing, co-packaged optics integration, precision optical alignment, advanced packaging, and assembly/testing performed by optical module manufacturers and network hardware OEMs. Downstream sectors include hyperscale cloud providers, AI data centers, telecom operators, enterprise networking, supercomputing systems, and edge computing infrastructure, where OBO modules are deployed in Ethernet switches, InfiniBand systems, AI accelerators, and ultra-high-speed interconnect platforms supporting 400G, 800G, 1.6T, and future optical networking architectures.

This report studies the global On-Board Optics Modules production, demand, key

manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for On-Board Optics Modules and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of On-Board Optics Modules that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global On-Board Optics Modules total production and demand, 2021-2032, (K Units)

Global On-Board Optics Modules total production value, 2021-2032, (USD Million)

Global On-Board Optics Modules production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global On-Board Optics Modules consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: On-Board Optics Modules domestic production, consumption, key domestic manufacturers and share

Global On-Board Optics Modules production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global On-Board Optics Modules production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global On-Board Optics Modules production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global On-Board Optics Modules market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Broadcom, Cisco, Intel, Marvell, Coherent, Lumentum, Ayar Labs, Ranovus, POET Technologies, Ciena, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World On-Board Optics Modules market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$

Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global On-Board Optics Modules Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global On-Board Optics Modules Market, Segmentation by Type:

100G OBO Modules

200G OBO Modules

400G OBO Modules

800G OBO Modules

1.6T OBO Modules

Global On-Board Optics Modules Market, Segmentation by Wavelength:

850 nm

1310 nm

1550 nm

Global On-Board Optics Modules Market, Segmentation by Application:

Data Centers

Telecommunications

Enterprise Networking

Others

Companies Profiled:

Broadcom

Cisco

Intel

Marvell

Coherent

Lumentum

Ayar Labs

Ranovus

POET Technologies

Ciena

NeoPhotonics

MACOM

Scintil Photonics

Rockley Photonics

DustPhotonics

Furukawa Electric

Sumitomo Electric

InnoLight Technology

Accelink Technologies

Eoptolink Technology

Key Questions Answered:

1. How big is the global On-Board Optics Modules market?
2. What is the demand of the global On-Board Optics Modules market?
3. What is the year over year growth of the global On-Board Optics Modules market?
4. What is the production and production value of the global On-Board Optics Modules market?
5. Who are the key producers in the global On-Board Optics Modules market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 On-Board Optics Modules Introduction
- 1.2 World On-Board Optics Modules Supply & Forecast
 - 1.2.1 World On-Board Optics Modules Production Value (2021 & 2025 & 2032)
 - 1.2.2 World On-Board Optics Modules Production (2021-2032)
 - 1.2.3 World On-Board Optics Modules Pricing Trends (2021-2032)
- 1.3 World On-Board Optics Modules Production by Region (Based on Production Site)
 - 1.3.1 World On-Board Optics Modules Production Value by Region (2021-2032)
 - 1.3.2 World On-Board Optics Modules Production by Region (2021-2032)
 - 1.3.3 World On-Board Optics Modules Average Price by Region (2021-2032)
 - 1.3.4 North America On-Board Optics Modules Production (2021-2032)
 - 1.3.5 Europe On-Board Optics Modules Production (2021-2032)
 - 1.3.6 China On-Board Optics Modules Production (2021-2032)
 - 1.3.7 Japan On-Board Optics Modules Production (2021-2032)
 - 1.3.8 South Korea On-Board Optics Modules Production (2021-2032)
 - 1.3.9 Southeast Asia On-Board Optics Modules Production (2021-2032)
 - 1.3.10 China Taiwan On-Board Optics Modules Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 On-Board Optics Modules Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 On-Board Optics Modules Major Market Trends

2 DEMAND SUMMARY

- 2.1 World On-Board Optics Modules Demand (2021-2032)
- 2.2 World On-Board Optics Modules Consumption by Region
 - 2.2.1 World On-Board Optics Modules Consumption by Region (2021-2026)
 - 2.2.2 World On-Board Optics Modules Consumption Forecast by Region (2027-2032)
- 2.3 United States On-Board Optics Modules Consumption (2021-2032)
- 2.4 China On-Board Optics Modules Consumption (2021-2032)
- 2.5 Europe On-Board Optics Modules Consumption (2021-2032)
- 2.6 Japan On-Board Optics Modules Consumption (2021-2032)
- 2.7 South Korea On-Board Optics Modules Consumption (2021-2032)
- 2.8 ASEAN On-Board Optics Modules Consumption (2021-2032)
- 2.9 India On-Board Optics Modules Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World On-Board Optics Modules Production Value by Manufacturer (2021-2026)
- 3.2 World On-Board Optics Modules Production by Manufacturer (2021-2026)
- 3.3 World On-Board Optics Modules Average Price by Manufacturer (2021-2026)
- 3.4 On-Board Optics Modules Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global On-Board Optics Modules Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for On-Board Optics Modules in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for On-Board Optics Modules in 2025
- 3.6 On-Board Optics Modules Market: Overall Company Footprint Analysis
 - 3.6.1 On-Board Optics Modules Market: Region Footprint
 - 3.6.2 On-Board Optics Modules Market: Company Product Type Footprint
 - 3.6.3 On-Board Optics Modules Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: On-Board Optics Modules Production Value Comparison
 - 4.1.1 United States VS China: On-Board Optics Modules Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: On-Board Optics Modules Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: On-Board Optics Modules Production Comparison
 - 4.2.1 United States VS China: On-Board Optics Modules Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: On-Board Optics Modules Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: On-Board Optics Modules Consumption Comparison
 - 4.3.1 United States VS China: On-Board Optics Modules Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: On-Board Optics Modules Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based On-Board Optics Modules Manufacturers and Market Share,

2021-2026

4.4.1 United States Based On-Board Optics Modules Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers On-Board Optics Modules Production Value (2021-2026)

4.4.3 United States Based Manufacturers On-Board Optics Modules Production (2021-2026)

4.5 China Based On-Board Optics Modules Manufacturers and Market Share

4.5.1 China Based On-Board Optics Modules Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers On-Board Optics Modules Production Value (2021-2026)

4.5.3 China Based Manufacturers On-Board Optics Modules Production (2021-2026)

4.6 Rest of World Based On-Board Optics Modules Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based On-Board Optics Modules Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers On-Board Optics Modules Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers On-Board Optics Modules Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World On-Board Optics Modules Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 100G OBO Modules

5.2.2 200G OBO Modules

5.2.3 400G OBO Modules

5.2.4 800G OBO Modules

5.2.5 1.6T OBO Modules

5.3 Market Segment by Type

5.3.1 World On-Board Optics Modules Production by Type (2021-2032)

5.3.2 World On-Board Optics Modules Production Value by Type (2021-2032)

5.3.3 World On-Board Optics Modules Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY WAVELENGTH

6.1 World On-Board Optics Modules Market Size Overview by Wavelength: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Wavelength

6.2.1 850 nm

6.2.2 1310 nm

6.2.3 1550 nm

6.3 Market Segment by Wavelength

6.3.1 World On-Board Optics Modules Production by Wavelength (2021-2032)

6.3.2 World On-Board Optics Modules Production Value by Wavelength (2021-2032)

6.3.3 World On-Board Optics Modules Average Price by Wavelength (2021-2032)

7 MARKET ANALYSIS BY APPLICATION

7.1 World On-Board Optics Modules Market Size Overview by Application: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Application

7.2.1 Data Centers

7.2.2 Telecommunications

7.2.3 Enterprise Networking

7.2.4 Others

7.3 Market Segment by Application

7.3.1 World On-Board Optics Modules Production by Application (2021-2032)

7.3.2 World On-Board Optics Modules Production Value by Application (2021-2032)

7.3.3 World On-Board Optics Modules Average Price by Application (2021-2032)

8 COMPANY PROFILES

8.1 Broadcom

8.1.1 Broadcom Details

8.1.2 Broadcom Major Business

8.1.3 Broadcom On-Board Optics Modules Product and Services

8.1.4 Broadcom On-Board Optics Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.1.5 Broadcom Recent Developments/Updates

8.1.6 Broadcom Competitive Strengths & Weaknesses

8.2 Cisco

8.2.1 Cisco Details

8.2.2 Cisco Major Business

8.2.3 Cisco On-Board Optics Modules Product and Services

8.2.4 Cisco On-Board Optics Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.2.5 Cisco Recent Developments/Updates

8.2.6 Cisco Competitive Strengths & Weaknesses

8.3 Intel

8.3.1 Intel Details

8.3.2 Intel Major Business

8.3.3 Intel On-Board Optics Modules Product and Services

8.3.4 Intel On-Board Optics Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.3.5 Intel Recent Developments/Updates

8.3.6 Intel Competitive Strengths & Weaknesses

8.4 Marvell

8.4.1 Marvell Details

8.4.2 Marvell Major Business

8.4.3 Marvell On-Board Optics Modules Product and Services

8.4.4 Marvell On-Board Optics Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.4.5 Marvell Recent Developments/Updates

8.4.6 Marvell Competitive Strengths & Weaknesses

8.5 Coherent

8.5.1 Coherent Details

8.5.2 Coherent Major Business

8.5.3 Coherent On-Board Optics Modules Product and Services

8.5.4 Coherent On-Board Optics Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.5.5 Coherent Recent Developments/Updates

8.5.6 Coherent Competitive Strengths & Weaknesses

8.6 Lumentum

8.6.1 Lumentum Details

8.6.2 Lumentum Major Business

8.6.3 Lumentum On-Board Optics Modules Product and Services

8.6.4 Lumentum On-Board Optics Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.6.5 Lumentum Recent Developments/Updates

8.6.6 Lumentum Competitive Strengths & Weaknesses

8.7 Ayar Labs

8.7.1 Ayar Labs Details

8.7.2 Ayar Labs Major Business

- 8.7.3 Ayar Labs On-Board Optics Modules Product and Services
- 8.7.4 Ayar Labs On-Board Optics Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.7.5 Ayar Labs Recent Developments/Updates
- 8.7.6 Ayar Labs Competitive Strengths & Weaknesses
- 8.8 Ranovus
 - 8.8.1 Ranovus Details
 - 8.8.2 Ranovus Major Business
 - 8.8.3 Ranovus On-Board Optics Modules Product and Services
 - 8.8.4 Ranovus On-Board Optics Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.8.5 Ranovus Recent Developments/Updates
 - 8.8.6 Ranovus Competitive Strengths & Weaknesses
- 8.9 POET Technologies
 - 8.9.1 POET Technologies Details
 - 8.9.2 POET Technologies Major Business
 - 8.9.3 POET Technologies On-Board Optics Modules Product and Services
 - 8.9.4 POET Technologies On-Board Optics Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.9.5 POET Technologies Recent Developments/Updates
 - 8.9.6 POET Technologies Competitive Strengths & Weaknesses
- 8.10 Ciena
 - 8.10.1 Ciena Details
 - 8.10.2 Ciena Major Business
 - 8.10.3 Ciena On-Board Optics Modules Product and Services
 - 8.10.4 Ciena On-Board Optics Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.10.5 Ciena Recent Developments/Updates
 - 8.10.6 Ciena Competitive Strengths & Weaknesses
- 8.11 NeoPhotonics
 - 8.11.1 NeoPhotonics Details
 - 8.11.2 NeoPhotonics Major Business
 - 8.11.3 NeoPhotonics On-Board Optics Modules Product and Services
 - 8.11.4 NeoPhotonics On-Board Optics Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.11.5 NeoPhotonics Recent Developments/Updates
 - 8.11.6 NeoPhotonics Competitive Strengths & Weaknesses
- 8.12 MACOM
 - 8.12.1 MACOM Details

- 8.12.2 MACOM Major Business
- 8.12.3 MACOM On-Board Optics Modules Product and Services
- 8.12.4 MACOM On-Board Optics Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.12.5 MACOM Recent Developments/Updates
- 8.12.6 MACOM Competitive Strengths & Weaknesses
- 8.13 Scintil Photonics
 - 8.13.1 Scintil Photonics Details
 - 8.13.2 Scintil Photonics Major Business
 - 8.13.3 Scintil Photonics On-Board Optics Modules Product and Services
 - 8.13.4 Scintil Photonics On-Board Optics Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.13.5 Scintil Photonics Recent Developments/Updates
 - 8.13.6 Scintil Photonics Competitive Strengths & Weaknesses
- 8.14 Rockley Photonics
 - 8.14.1 Rockley Photonics Details
 - 8.14.2 Rockley Photonics Major Business
 - 8.14.3 Rockley Photonics On-Board Optics Modules Product and Services
 - 8.14.4 Rockley Photonics On-Board Optics Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.14.5 Rockley Photonics Recent Developments/Updates
 - 8.14.6 Rockley Photonics Competitive Strengths & Weaknesses
- 8.15 DustPhotonics
 - 8.15.1 DustPhotonics Details
 - 8.15.2 DustPhotonics Major Business
 - 8.15.3 DustPhotonics On-Board Optics Modules Product and Services
 - 8.15.4 DustPhotonics On-Board Optics Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.15.5 DustPhotonics Recent Developments/Updates
 - 8.15.6 DustPhotonics Competitive Strengths & Weaknesses
- 8.16 Furukawa Electric
 - 8.16.1 Furukawa Electric Details
 - 8.16.2 Furukawa Electric Major Business
 - 8.16.3 Furukawa Electric On-Board Optics Modules Product and Services
 - 8.16.4 Furukawa Electric On-Board Optics Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.16.5 Furukawa Electric Recent Developments/Updates
 - 8.16.6 Furukawa Electric Competitive Strengths & Weaknesses
- 8.17 Sumitomo Electric

- 8.17.1 Sumitomo Electric Details
- 8.17.2 Sumitomo Electric Major Business
- 8.17.3 Sumitomo Electric On-Board Optics Modules Product and Services
- 8.17.4 Sumitomo Electric On-Board Optics Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.17.5 Sumitomo Electric Recent Developments/Updates
- 8.17.6 Sumitomo Electric Competitive Strengths & Weaknesses
- 8.18 InnoLight Technology
 - 8.18.1 InnoLight Technology Details
 - 8.18.2 InnoLight Technology Major Business
 - 8.18.3 InnoLight Technology On-Board Optics Modules Product and Services
 - 8.18.4 InnoLight Technology On-Board Optics Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.18.5 InnoLight Technology Recent Developments/Updates
 - 8.18.6 InnoLight Technology Competitive Strengths & Weaknesses
- 8.19 Accelink Technologies
 - 8.19.1 Accelink Technologies Details
 - 8.19.2 Accelink Technologies Major Business
 - 8.19.3 Accelink Technologies On-Board Optics Modules Product and Services
 - 8.19.4 Accelink Technologies On-Board Optics Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.19.5 Accelink Technologies Recent Developments/Updates
 - 8.19.6 Accelink Technologies Competitive Strengths & Weaknesses
- 8.20 Eoptolink Technology
 - 8.20.1 Eoptolink Technology Details
 - 8.20.2 Eoptolink Technology Major Business
 - 8.20.3 Eoptolink Technology On-Board Optics Modules Product and Services
 - 8.20.4 Eoptolink Technology On-Board Optics Modules Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.20.5 Eoptolink Technology Recent Developments/Updates
 - 8.20.6 Eoptolink Technology Competitive Strengths & Weaknesses

9 INDUSTRY CHAIN ANALYSIS

- 9.1 On-Board Optics Modules Industry Chain
- 9.2 On-Board Optics Modules Upstream Analysis
 - 9.2.1 On-Board Optics Modules Core Raw Materials
 - 9.2.2 Main Manufacturers of On-Board Optics Modules Core Raw Materials
- 9.3 Midstream Analysis

9.4 Downstream Analysis

9.5 On-Board Optics Modules Production Mode

9.6 On-Board Optics Modules Procurement Model

9.7 On-Board Optics Modules Industry Sales Model and Sales Channels

9.7.1 On-Board Optics Modules Sales Model

9.7.2 On-Board Optics Modules Typical Distributors

10 RESEARCH FINDINGS AND CONCLUSION

11 APPENDIX

11.1 Methodology

11.2 Research Process and Data Source

11.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World On-Board Optics Modules Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World On-Board Optics Modules Production Value by Region (2021-2026) & (USD Million)

Table 3. World On-Board Optics Modules Production Value by Region (2027-2032) & (USD Million)

Table 4. World On-Board Optics Modules Production Value Market Share by Region (2021-2026)

Table 5. World On-Board Optics Modules Production Value Market Share by Region (2027-2032)

Table 6. World On-Board Optics Modules Production by Region (2021-2026) & (K Units)

Table 7. World On-Board Optics Modules Production by Region (2027-2032) & (K Units)

Table 8. World On-Board Optics Modules Production Market Share by Region (2021-2026)

Table 9. World On-Board Optics Modules Production Market Share by Region (2027-2032)

Table 10. World On-Board Optics Modules Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World On-Board Optics Modules Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. On-Board Optics Modules Major Market Trends

Table 13. World On-Board Optics Modules Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World On-Board Optics Modules Consumption by Region (2021-2026) & (K Units)

Table 15. World On-Board Optics Modules Consumption Forecast by Region (2027-2032) & (K Units)

Table 16. World On-Board Optics Modules Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key On-Board Optics Modules Producers in 2025

Table 18. World On-Board Optics Modules Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key On-Board Optics Modules Producers in 2025

Table 20. World On-Board Optics Modules Average Price by Manufacturer (2021-2026)

& (US\$/Unit)

Table 21. Global On-Board Optics Modules Company Evaluation Quadrant

Table 22. World On-Board Optics Modules Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and On-Board Optics Modules Production Site of Key Manufacturer

Table 24. On-Board Optics Modules Market: Company Product Type Footprint

Table 25. On-Board Optics Modules Market: Company Product Application Footprint

Table 26. On-Board Optics Modules Competitive Factors

Table 27. On-Board Optics Modules New Entrant and Capacity Expansion Plans

Table 28. On-Board Optics Modules Mergers & Acquisitions Activity

Table 29. United States VS China On-Board Optics Modules Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China On-Board Optics Modules Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China On-Board Optics Modules Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based On-Board Optics Modules Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers On-Board Optics Modules Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers On-Board Optics Modules Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers On-Board Optics Modules Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers On-Board Optics Modules Production Market Share (2021-2026)

Table 37. China Based On-Board Optics Modules Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers On-Board Optics Modules Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers On-Board Optics Modules Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers On-Board Optics Modules Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers On-Board Optics Modules Production Market Share (2021-2026)

Table 42. Rest of World Based On-Board Optics Modules Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers On-Board Optics Modules Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers On-Board Optics Modules Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers On-Board Optics Modules Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers On-Board Optics Modules Production Market Share (2021-2026)

Table 47. World On-Board Optics Modules Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World On-Board Optics Modules Production by Type (2021-2026) & (K Units)

Table 49. World On-Board Optics Modules Production by Type (2027-2032) & (K Units)

Table 50. World On-Board Optics Modules Production Value by Type (2021-2026) & (USD Million)

Table 51. World On-Board Optics Modules Production Value by Type (2027-2032) & (USD Million)

Table 52. World On-Board Optics Modules Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World On-Board Optics Modules Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World On-Board Optics Modules Production Value by Wavelength, (USD Million), 2021 & 2025 & 2032

Table 55. World On-Board Optics Modules Production by Wavelength (2021-2026) & (K Units)

Table 56. World On-Board Optics Modules Production by Wavelength (2027-2032) & (K Units)

Table 57. World On-Board Optics Modules Production Value by Wavelength (2021-2026) & (USD Million)

Table 58. World On-Board Optics Modules Production Value by Wavelength (2027-2032) & (USD Million)

Table 59. World On-Board Optics Modules Average Price by Wavelength (2021-2026) & (US\$/Unit)

Table 60. World On-Board Optics Modules Average Price by Wavelength (2027-2032) & (US\$/Unit)

Table 61. World On-Board Optics Modules Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 62. World On-Board Optics Modules Production by Application (2021-2026) & (K Units)

Table 63. World On-Board Optics Modules Production by Application (2027-2032) & (K

Units)

Table 64. World On-Board Optics Modules Production Value by Application (2021-2026) & (USD Million)

Table 65. World On-Board Optics Modules Production Value by Application (2027-2032) & (USD Million)

Table 66. World On-Board Optics Modules Average Price by Application (2021-2026) & (US\$/Unit)

Table 67. World On-Board Optics Modules Average Price by Application (2027-2032) & (US\$/Unit)

Table 68. Broadcom Basic Information, Manufacturing Base and Competitors

Table 69. Broadcom Major Business

Table 70. Broadcom On-Board Optics Modules Product and Services

Table 71. Broadcom On-Board Optics Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 72. Broadcom Recent Developments/Updates

Table 73. Broadcom Competitive Strengths & Weaknesses

Table 74. Cisco Basic Information, Manufacturing Base and Competitors

Table 75. Cisco Major Business

Table 76. Cisco On-Board Optics Modules Product and Services

Table 77. Cisco On-Board Optics Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 78. Cisco Recent Developments/Updates

Table 79. Cisco Competitive Strengths & Weaknesses

Table 80. Intel Basic Information, Manufacturing Base and Competitors

Table 81. Intel Major Business

Table 82. Intel On-Board Optics Modules Product and Services

Table 83. Intel On-Board Optics Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 84. Intel Recent Developments/Updates

Table 85. Intel Competitive Strengths & Weaknesses

Table 86. Marvell Basic Information, Manufacturing Base and Competitors

Table 87. Marvell Major Business

Table 88. Marvell On-Board Optics Modules Product and Services

Table 89. Marvell On-Board Optics Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 90. Marvell Recent Developments/Updates

Table 91. Marvell Competitive Strengths & Weaknesses

Table 92. Coherent Basic Information, Manufacturing Base and Competitors

Table 93. Coherent Major Business

- Table 94. Coherent On-Board Optics Modules Product and Services
- Table 95. Coherent On-Board Optics Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 96. Coherent Recent Developments/Updates
- Table 97. Coherent Competitive Strengths & Weaknesses
- Table 98. Lumentum Basic Information, Manufacturing Base and Competitors
- Table 99. Lumentum Major Business
- Table 100. Lumentum On-Board Optics Modules Product and Services
- Table 101. Lumentum On-Board Optics Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 102. Lumentum Recent Developments/Updates
- Table 103. Lumentum Competitive Strengths & Weaknesses
- Table 104. Ayar Labs Basic Information, Manufacturing Base and Competitors
- Table 105. Ayar Labs Major Business
- Table 106. Ayar Labs On-Board Optics Modules Product and Services
- Table 107. Ayar Labs On-Board Optics Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 108. Ayar Labs Recent Developments/Updates
- Table 109. Ayar Labs Competitive Strengths & Weaknesses
- Table 110. Ranovus Basic Information, Manufacturing Base and Competitors
- Table 111. Ranovus Major Business
- Table 112. Ranovus On-Board Optics Modules Product and Services
- Table 113. Ranovus On-Board Optics Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 114. Ranovus Recent Developments/Updates
- Table 115. Ranovus Competitive Strengths & Weaknesses
- Table 116. POET Technologies Basic Information, Manufacturing Base and Competitors
- Table 117. POET Technologies Major Business
- Table 118. POET Technologies On-Board Optics Modules Product and Services
- Table 119. POET Technologies On-Board Optics Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 120. POET Technologies Recent Developments/Updates
- Table 121. POET Technologies Competitive Strengths & Weaknesses
- Table 122. Ciena Basic Information, Manufacturing Base and Competitors
- Table 123. Ciena Major Business
- Table 124. Ciena On-Board Optics Modules Product and Services
- Table 125. Ciena On-Board Optics Modules Production (K Units), Price (US\$/Unit),

Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 126. Ciena Recent Developments/Updates

Table 127. Ciena Competitive Strengths & Weaknesses

Table 128. NeoPhotonics Basic Information, Manufacturing Base and Competitors

Table 129. NeoPhotonics Major Business

Table 130. NeoPhotonics On-Board Optics Modules Product and Services

Table 131. NeoPhotonics On-Board Optics Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 132. NeoPhotonics Recent Developments/Updates

Table 133. NeoPhotonics Competitive Strengths & Weaknesses

Table 134. MACOM Basic Information, Manufacturing Base and Competitors

Table 135. MACOM Major Business

Table 136. MACOM On-Board Optics Modules Product and Services

Table 137. MACOM On-Board Optics Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 138. MACOM Recent Developments/Updates

Table 139. MACOM Competitive Strengths & Weaknesses

Table 140. Scintil Photonics Basic Information, Manufacturing Base and Competitors

Table 141. Scintil Photonics Major Business

Table 142. Scintil Photonics On-Board Optics Modules Product and Services

Table 143. Scintil Photonics On-Board Optics Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 144. Scintil Photonics Recent Developments/Updates

Table 145. Scintil Photonics Competitive Strengths & Weaknesses

Table 146. Rockley Photonics Basic Information, Manufacturing Base and Competitors

Table 147. Rockley Photonics Major Business

Table 148. Rockley Photonics On-Board Optics Modules Product and Services

Table 149. Rockley Photonics On-Board Optics Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 150. Rockley Photonics Recent Developments/Updates

Table 151. Rockley Photonics Competitive Strengths & Weaknesses

Table 152. DustPhotonics Basic Information, Manufacturing Base and Competitors

Table 153. DustPhotonics Major Business

Table 154. DustPhotonics On-Board Optics Modules Product and Services

Table 155. DustPhotonics On-Board Optics Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 156. DustPhotonics Recent Developments/Updates

Table 157. DustPhotonics Competitive Strengths & Weaknesses

Table 158. Furukawa Electric Basic Information, Manufacturing Base and Competitors

Table 159. Furukawa Electric Major Business

Table 160. Furukawa Electric On-Board Optics Modules Product and Services

Table 161. Furukawa Electric On-Board Optics Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 162. Furukawa Electric Recent Developments/Updates

Table 163. Furukawa Electric Competitive Strengths & Weaknesses

Table 164. Sumitomo Electric Basic Information, Manufacturing Base and Competitors

Table 165. Sumitomo Electric Major Business

Table 166. Sumitomo Electric On-Board Optics Modules Product and Services

Table 167. Sumitomo Electric On-Board Optics Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 168. Sumitomo Electric Recent Developments/Updates

Table 169. Sumitomo Electric Competitive Strengths & Weaknesses

Table 170. InnoLight Technology Basic Information, Manufacturing Base and Competitors

Table 171. InnoLight Technology Major Business

Table 172. InnoLight Technology On-Board Optics Modules Product and Services

Table 173. InnoLight Technology On-Board Optics Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 174. InnoLight Technology Recent Developments/Updates

Table 175. InnoLight Technology Competitive Strengths & Weaknesses

Table 176. Accelink Technologies Basic Information, Manufacturing Base and Competitors

Table 177. Accelink Technologies Major Business

Table 178. Accelink Technologies On-Board Optics Modules Product and Services

Table 179. Accelink Technologies On-Board Optics Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 180. Accelink Technologies Recent Developments/Updates

Table 181. Accelink Technologies Competitive Strengths & Weaknesses

Table 182. Eoptolink Technology Basic Information, Manufacturing Base and Competitors

Table 183. Eoptolink Technology Major Business

Table 184. Eoptolink Technology On-Board Optics Modules Product and Services

Table 185. Eoptolink Technology On-Board Optics Modules Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 186. Eoptolink Technology Recent Developments/Updates

Table 187. Eoptolink Technology Competitive Strengths & Weaknesses

Table 188. Global Key Players of On-Board Optics Modules Upstream (Raw Materials)

Table 189. Global On-Board Optics Modules Typical Customers

Table 190. On-Board Optics Modules Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. On-Board Optics Modules Picture

Figure 2. World On-Board Optics Modules Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World On-Board Optics Modules Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World On-Board Optics Modules Production (2021-2032) & (K Units)

Figure 5. World On-Board Optics Modules Average Price (2021-2032) & (US\$/Unit)

Figure 6. World On-Board Optics Modules Production Value Market Share by Region (2021-2032)

Figure 7. World On-Board Optics Modules Production Market Share by Region (2021-2032)

Figure 8. North America On-Board Optics Modules Production (2021-2032) & (K Units)

Figure 9. Europe On-Board Optics Modules Production (2021-2032) & (K Units)

Figure 10. China On-Board Optics Modules Production (2021-2032) & (K Units)

Figure 11. Japan On-Board Optics Modules Production (2021-2032) & (K Units)

Figure 12. South Korea On-Board Optics Modules Production (2021-2032) & (K Units)

Figure 13. Southeast Asia On-Board Optics Modules Production (2021-2032) & (K Units)

Figure 14. China Taiwan On-Board Optics Modules Production (2021-2032) & (K Units)

Figure 15. On-Board Optics Modules Market Drivers

Figure 16. Factors Affecting Demand

Figure 17. World On-Board Optics Modules Consumption (2021-2032) & (K Units)

Figure 18. World On-Board Optics Modules Consumption Market Share by Region (2021-2032)

Figure 19. United States On-Board Optics Modules Consumption (2021-2032) & (K Units)

Figure 20. China On-Board Optics Modules Consumption (2021-2032) & (K Units)

Figure 21. Europe On-Board Optics Modules Consumption (2021-2032) & (K Units)

Figure 22. Japan On-Board Optics Modules Consumption (2021-2032) & (K Units)

Figure 23. South Korea On-Board Optics Modules Consumption (2021-2032) & (K Units)

Figure 24. ASEAN On-Board Optics Modules Consumption (2021-2032) & (K Units)

Figure 25. India On-Board Optics Modules Consumption (2021-2032) & (K Units)

Figure 26. Producer Shipments of On-Board Optics Modules by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 27. Global Four-firm Concentration Ratios (CR4) for On-Board Optics Modules Markets in 2025

Figure 28. Global Four-firm Concentration Ratios (CR8) for On-Board Optics Modules Markets in 2025

Figure 29. United States VS China: On-Board Optics Modules Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: On-Board Optics Modules Production Market Share Comparison (2021 & 2025 & 2032)

Figure 31. United States VS China: On-Board Optics Modules Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 32. United States Based Manufacturers On-Board Optics Modules Production Market Share 2025

Figure 33. China Based Manufacturers On-Board Optics Modules Production Market Share 2025

Figure 34. Rest of World Based Manufacturers On-Board Optics Modules Production Market Share 2025

Figure 35. World On-Board Optics Modules Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 36. World On-Board Optics Modules Production Value Market Share by Type in 2025

Figure 37. 100G OBO Modules

Figure 38. 200G OBO Modules

Figure 39. 400G OBO Modules

Figure 40. 800G OBO Modules

Figure 41. 1.6T OBO Modules

Figure 42. World On-Board Optics Modules Production Market Share by Type (2021-2032)

Figure 43. World On-Board Optics Modules Production Value Market Share by Type (2021-2032)

Figure 44. World On-Board Optics Modules Average Price by Type (2021-2032) & (US\$/Unit)

Figure 45. World On-Board Optics Modules Production Value by Wavelength, (USD Million), 2021 & 2025 & 2032

Figure 46. World On-Board Optics Modules Production Value Market Share by Wavelength in 2025

Figure 47. 850 nm

Figure 48. 1310 nm

Figure 49. 1550 nm

Figure 50. World On-Board Optics Modules Production Market Share by Wavelength

(2021-2032)

Figure 51. World On-Board Optics Modules Production Value Market Share by Wavelength (2021-2032)

Figure 52. World On-Board Optics Modules Average Price by Wavelength (2021-2032) & (US\$/Unit)

Figure 53. World On-Board Optics Modules Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 54. World On-Board Optics Modules Production Value Market Share by Application in 2025

Figure 55. Data Centers

Figure 56. Telecommunications

Figure 57. Enterprise Networking

Figure 58. Others

Figure 59. World On-Board Optics Modules Production Market Share by Application (2021-2032)

Figure 60. World On-Board Optics Modules Production Value Market Share by Application (2021-2032)

Figure 61. World On-Board Optics Modules Average Price by Application (2021-2032) & (US\$/Unit)

Figure 62. On-Board Optics Modules Industry Chain

Figure 63. On-Board Optics Modules Procurement Model

Figure 64. On-Board Optics Modules Sales Model

Figure 65. On-Board Optics Modules Sales Channels, Direct Sales, and Distribution

Figure 66. Methodology

Figure 67. Research Process and Data Source

I would like to order

Product name: Global On-Board Optics Modules Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G793264E21CAEN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G793264E21CAEN.html>