

ASEAN Optical Communication Industry Research Report 2026-2030

<https://marketpublishers.com/r/A6A75FD5FE9EEN.html>

Date: August 2026

Pages: 40

Price: US\$ 3,200.00 (Single User License)

ID: A6A75FD5FE9EEN

Abstracts

Optical communication refers to a method of data transmission that uses light waves as information carriers and relies on optical fibers, optical components, and photoelectric conversion technologies.

Optical communication is widely applied in fields such as backbone communication networks, metropolitan area networks, access networks, data center interconnects, the industrial internet, and intelligent manufacturing.

Optical communication has become one of the core technologies underpinning high-speed global information transmission, driven by the continuous growth of global internet traffic and the rapid development of cloud computing, big data, artificial intelligence (AI), 5G/6G communications, and data center construction.

ASEAN is the most important regional cooperation organization in Southeast Asia, with a current population of over 680 million and an economic output of over US\$ 4 trillion. In recent years, ASEAN's strategic position within the global economic system has continued to rise.

The ASEAN optical communication market is experiencing rapid growth, driven primarily by the expansion of the digital economy, accelerated data center construction, the growth of cloud computing services, and the rise of artificial intelligence (AI).

In recent years, global cloud computing and internet companies have accelerated the deployment of regional data center nodes in Southeast Asia, with Singapore, Malaysia, Indonesia, Thailand, and Vietnam emerging as key areas for data center investment.

According to estimates by CRI, the market size is projected to reach approximately US\$ 1.1 billion in 2026. With a forecasted compound annual growth rate (CAGR) of around 18.9% between 2026 and 2030, the market size is expected to reach US\$ 2.2 billion by 2030.

CRI recommends that global optical communication manufacturers, cloud service providers, and data center operators, international AI enterprises, private equity (PE) funds and venture capital (VC) firms conduct timely market research on the ASEAN region to prepare for their strategic entry into the ASEAN optical communication market.

Key Contents

Overview of the Optical Communication Industry in ASEAN

Economic and Policy Environment of Optical Communication Industry in ASEAN

Analysis of the Optical Communication Industry in Major ASEAN Countries

Market Size of Optical Communication in ASEAN (2021–2025)

Analysis of the Key Optical Communication Providers in ASEAN

Key Drivers and Market Opportunities of Optical Communication Industry in ASEAN

What are the key drivers, challenges and opportunities for the ASEAN Optical Communication industry during the forecast period of 2026–2030?

Which companies are the major market players in the ASEAN Optical Communication industry and what are their competitive advantages?

What is the projected revenue for Optical Communication market in ASEAN during the forecast period of 2026–2030?

What strategies have major market players adopted to increase their market share within this industry?

Which segment of the ASEAN Optical Communication market is expected to dominate the market by 2030?

What are the major headwinds facing the ASEAN Optical Communication industry?

How can foreign capital enter the Optical Communication industry in ASEAN?

Contents

1 OVERVIEW OF ASEAN

- 1.1 Geography
- 1.2 Demographic Structure
- 1.3 Economic Situation
- 1.4 Minimum Wage Standards

2 OVERVIEW OF THE OPTICAL COMMUNICATION INDUSTRY

- 2.1 Definition and Classification of the Optical Communication Industry
 - 2.1.1 Industry Definition
 - 2.1.2 Classification
- 2.2 Analysis of Optical Communication Industry Chain
- 2.3 Policy Environment of Optical Communication Industry in ASEAN
- 2.4 CRI's Suggestions for Foreign-Invested Enterprises Investing in the ASEAN Optical Communication Industry

3 ANALYSIS OF SUPPLY AND DEMAND IN THE ASEAN OPTICAL COMMUNICATION INDUSTRY

- 3.1 Supply Analysis of the Optical Communication Industry in ASEAN
 - 3.1.1 Sale Volume of Optical Communication Equipment in ASEAN
 - 3.1.2 Local production capacity coverage for optical communication in ASEAN in ASEAN
 - 3.1.3 Analysis of Key Suppliers of Optical Communication in ASEAN
 - 3.1.4 Factors Affecting the Supply of Optical Communication in ASEAN
- 3.2 Demand Analysis of Optical Communication Industry in ASEAN
 - 3.2.1 Number and Distribution of Data Centers in ASEAN
 - 3.2.2 Market Size of Optical Communication
 - 3.2.3 Analysis of Demand Structure for Optical Communication
 - 3.2.4 Analysis of Demand Drivers for Optical Communication

4 IMPORT AND EXPORT OF OPTICAL COMMUNICATION EQUIPMENT IN ASEAN

- 4.1 Import Overview of Optical Communication Equipment in ASEAN
 - 4.1.1 Import Value and Volume of Optical Communication Equipment in ASEAN
 - 4.1.2 Major Sources of Optical Communication Equipment Imports in ASEAN

4.2 Export Overview of Optical Communication Equipment in ASEAN

4.2.1 Export Value and Volume of Optical Communication Equipment in ASEAN

4.2.2 Major Destinations for Optical Communication Equipment in ASEAN

5 ANALYSIS OF THE OPTICAL COMMUNICATION INDUSTRY IN MAJOR ASEAN COUNTRIES

5.1 Singapore

5.1.1 Overview of the Optical Communication Industry

5.1.2 Analysis of Optical Communication Market Supply and Demand

5.2 Malaysia

5.2.1 Overview of the Optical Communication Industry

5.2.2 Analysis of Optical Communication Market Supply and Demand

5.3 Thailand

5.3.1 Overview of the Optical Communication Industry

5.3.2 Analysis of Optical Communication Market Supply and Demand

5.4 Indonesia

5.4.1 Overview of the Optical Communication Industry

5.4.2 Analysis of Optical Communication Market Supply and Demand

5.5 Vietnam

5.5.1 Overview of the Optical Communication Industry

5.5.2 Analysis of Optical Communication Market Supply and Demand

6 ANALYSIS OF THE KEY OPTICAL COMMUNICATION PROVIDERS IN ASEAN

6.1 Corning

6.1.1 Company Overview

6.1.2 Operations Status

6.2 Huawei

6.2.1 Company Overview

6.2.2 Operations Status

6.3 Sumitomo Electric

6.3.1 Company Overview

6.3.2 Operations Status

6.4 Fabrinet

6.4.1 Company Overview

6.4.2 Operations Status

6.5 Coherent

6.5.1 Company Overview

6.5.2 Operations Status

7 OUTLOOK OF OPTICAL COMMUNICATION INDUSTRY IN ASEAN 2026-2030

7.1 Analysis of Development Factors of Optical Communication Industry in ASEAN

7.1.1 Drivers and Growth Opportunities of Optical Communication Industry in ASEAN

7.1.2 Threats and Challenges Facing of Optical Communication Industry in ASEAN

7.2 Forecast of Supply for Optical Communication Industry in ASEAN

7.3 Forecast of Demand for Optical Communication in ASEAN

7.4 Forecast of Imports and Exports for Optical Communication Equipment in ASEAN

LIST OF SOME CHARTS

Chart Total Population in ASEAN, 2021–2025

Chart Per Capita GDP in ASEAN, 2021–2025

Chart Policies Related to the Optical Communication Industry Issued by ASEAN
2021–2025

Chart Sale Volume of Optical Communication in ASEAN, 2021-2025

Chart Market Size of Optical Communication in ASEAN, 2021-2025

Chart Market Size of Optical Communication in Singapore, 2021-2025

Chart Market Size of Optical Communication in Malaysia, 2021-2025

Chart Market Size of Optical Communication in Thailand, 2021-2025

Chart Market Size of Optical Communication in Indonesia, 2021-2025

Chart Market Size of Optical Communication in Vietnam, 2021-2025

Chart Market Size of Optical Communication in Philippines, 2021-2025

Chart Import Value of Optical Communication Equipment in ASEAN, 2021–2025

Chart Exports of Optical Communication Equipment in ASEAN, 2021–2025

Chart Market Size Forecast of Optical Communication in ASEAN, 2026–2030

Chart Import and Export Forecast of Optical Communication Equipment in ASEAN,
2026–2030

I would like to order

Product name: ASEAN Optical Communication Industry Research Report 2026-2030

Product link: <https://marketpublishers.com/r/A6A75FD5FE9EEN.html>

Price: US\$ 3,200.00 (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/A6A75FD5FE9EEN.html>