

Malaysia Optical Module Manufacturing



Overview

Optical Transceiver Module Suppliers from Malaysia Access 260 verified Optical Transceiver Module Suppliers in Malaysia with shipment-level prices, volumes.

Key Takeaways

Malaysia hosts a growing optical module and optoelectronic manufacturing industry, with over 90 specialized manufacturers and key global players producing high-tech optical components and transceivers. Industry Overview

As of 2026, Malaysia has 96 optical products manufacturers, with the highest concentration in Selangor and the Federal Territory of Kuala Lumpur, accounting for 20.8% and 13.5% of the total, respectively. These manufacturers serve both domestic and international markets, producing components for telecommunications, data centers, consumer electronics, medical devices, and industrial applications.

Key Manufacturers and Capabilities

- **EG Industries Berhad:** Based in Sg Petani, Kedah, EG Industries has pivoted to 800G optical transceivers, which now make up 60% of its production. Their Batu Kawan Smart Factory 4.0 supports high-yield production for advanced data centers, integrating high-precision electronics with automotive-grade components.
- **SCHOTT Penang:** Operating for over 50 years, SCHOTT specializes in precision glass solutions for semiconductors, augmented reality, and consumer electronics. The facility produces high-refractive glass wafers and reflective waveguides for AR devices, supporting mass production for emerging technologies.



- MLE Precision Sdn. Bhd.: Established in 2024 in Johor Bahru, MLE focuses on OEM and contract manufacturing of high-quality optical and optoelectronic components for US and European markets. Their production includes laser devices, optical-electrical parts, and specialized optoelectronic products, leveraging advanced CNC and automated systems .
- OSI Electronics Malaysia: Located in Johor Bahru, OSI operates one of the largest optoelectronic and microelectronic production facilities in the region, producing hybrid modules, wafer-level devices, and advanced assemblies for medical, aerospace, and industrial applications .

Technological Focus

Malaysia's optical manufacturing sector emphasizes high-precision optics, optoelectronics, and advanced transceivers. Companies are increasingly adopting automation, smart factory technologies, and vertical integration to meet global demand for high-speed data transmission, AR/VR devices, and industrial optical systems. The industry also contributes to green energy and EV supply chains, reflecting diversification beyond traditional optical products .

Strategic Importance

The Malaysian optical module industry plays a critical role in the global supply chain, providing components for data centers, telecommunications, and emerging technologies. With a combination of experienced workforce, advanced manufacturing facilities, and strategic geographic location, Malaysia continues to attract foreign investment and expand its export-oriented optical manufacturing capabilities . In summary, Malaysia is a key hub for optical module manufacturing in Southeast Asia, combining established global players, innovative SMEs, and advanced production technologies to serve high-demand markets worldwide.

Article Content

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Optical Transceivers Factory & Supplier in Malaysia

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For more than 50 years, our plant in Penang, Malaysia, has been a central location of the SCHOTT Group in Asia. With state-of-the

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When exploring the optics industry in Malaysia, several key considerations emerge. The regulatory landscape is crucial, as

Top 22 Optical Sensor Manufacturers in Malaysia (2026) | ensun

When exploring the optical sensor industry in Malaysia, several critical factors warrant consideration. The regulatory framework is

OSI Electronics

Johor Bahru, Malaysia has been home to OSI's manufacturing operations for over 25 years and hosts our largest Optoelectronic and

Alnair Photonics | Advanced Photonics Solutions

Alnair Photonics Sdn. Bhd. manufactures optical equipment, fiber coupled active/passive devices, and

Optical Module Suppliers & Exporters in Malaysia

Malaysian Optical Module Suppliers Directory provides list of Optical Module Suppliers and Optical Module Exporters in Malaysia

POET Signs Manufacturing Agreement with NationGate Solutions in

POET has engaged with NationGate to assemble and test consigned optical engines with a custom-designed fiber

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Discover all relevant Optical Sensor Manufacturers in Malaysia, including DOMINANT Opto Technologies Sdn. Bhd and KEYENCE

Linktel Technologies Expands in Penang with New Plant,

Linktel Technologies Expands in Penang with New Plant, Strengthening Malaysia's Advanced Manufacturing Ecosystem PENANG,

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How many Optical products manufacturers are there in Malaysia in 2026

There are 96 Optical products manufacturers in Malaysia as of July, 2026. Download latest business data with contact info, ratings &

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Malaya Optical is a leading provider of professional vision care in Malaysia, offering specialized lenses and precise prescriptions for

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Malaysia Semiconductor Market Size, Share, 2025-2030 Outlook

Malaysia Semiconductor Market Size & Share Analysis - Growth Trends and Forecast (2025 - 2030) The Malaysia

2024 top 12 Fiber Optic Cable Suppliers and Manufacturers in Malaysia

Conclusion Malaysia's fiber optic cable manufacturers are playing a pivotal role in the global telecommunications

Malaysia Pluggable Optical Module Market By Type

The Pluggable Optical Module sector in Malaysia plays a significant role in the nation's economic development, driven

PC pioneer FICG retools for the AI age with optical module surge

Leo Chien, Chairman of parent firm FIC Global, Inc. (FICG), said the company plans to double its optical

Optical module maker PCL accelerating capacity build-up in Malaysia

Optical transceiver module maker PCL Technologies is accelerating the deployment of production lines at its joint

Malaysia Optical Display Module Market By Application

The top manufacturers in Malaysia's Optical Display Module industry are recognized for their innovation, quality, and

Coherent Corp. Launches Coherent Malaysia's First Datacom R&D

These include the design, development, and manufacturing of optoelectronic signal converters (800G), Coherent

Linktel

A Solution and Service Provider of High Speed Optical I/O Connectivity Products
Pluggable Transceiver 100G/400G/800G/1.6T

Linktel Technologies opens second plant in Penang to make optical ...

Telecommunications services firm Linktel Technologies Sdn Bhd opened its second plant in Penang costing RM200

Top 10 Camera Module Manufacturers in the World 2024

8 nny Optical Technology Company Profile:Sunny Optical Technology is one of the world's largest manufacturers of camera

OPTOKON Pacific | OPTOKON

OPTOKON Pacific Who We Are OPTOKON Pacific, Member of OPTOKON Group, was officially established in 2024 to strengthen

Top 10 Optical Module Brand & Manufacturers

Find the Top 10 Optical Module brand,manufacturers,and exporters. Get the contact details and addresses of companies producing

SFP Transceiver

Loss of signal (LOS) output indicates the loss of an input optical signal of receiver. The standard serial ID information compatible with

Initiation Report v2

Exclusive Partnership with CIG Powers Optical Module Growth EGI has established itself as the exclusive manufacturing partner in

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EG Industries expands partnership with US-based Cambridge

EG Industries Bhd has secured a second letter of intent (LOI) from US-based Cambridge Industries Group (CIG) to

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Malaysia's Top 8 Fiber Optic Cable Suppliers

This guide examines Malaysia's leading manufacturers and their specific advantages, understanding each supplier's

Optical Transceivers | Coherent

Get the pluggable module performance you need from the manufacturer of choice for all major networking equipment vendors

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

