

# Global IP67 I/O Modules Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global IP67 I/O Modules market size was valued at US\$ 778 million in 2025 and is forecast to a readjusted size of US\$ 933 million by 2032 with a CAGR of 2.6% during review period.

The IP67 I/O module is an industrial-grade distributed signal acquisition and control unit that conforms to the IEC 60529 (GB/T 4208) IP67 protection standard. It is fully dustproof and waterproof for 30 minutes of immersion in 1 meter of water. It adopts a sealed housing and M12/M8 industrial connector design, which can be directly deployed in environments without control cabinets such as machines and production lines without additional protection measures. It is used to connect sensors/actuators to upper controllers to realize the acquisition, conversion and output control of digital/analog signals. It is a core component of the Industry 4.0 distributed automation architecture.

The global production of IP67 I/O modules is projected to reach 1.8 million units by 2025, with an average price of \$420 per unit.

Upstream mainly includes industrial-grade chips, microcontrollers, communication interface ICs, sensor components, waterproof connectors, sealing materials, and high-reliability PCBs, along with embedded software and industrial communication protocol development capabilities. The upstream is generally mature, but industrial-grade chips and high-reliability connectors are critical to system stability and may face supply fluctuations in certain periods. Downstream is centered on industrial automation, particularly in distributed control systems, production line field connections, robotic systems, and logistics conveying systems. As equipment deployment shifts toward distributed architectures, IP67 modules reduce the need for control cabinet wiring,

significantly improving system flexibility and installation efficiency. They are especially widely used in automotive and discrete manufacturing industries, while demand is also growing in food and pharmaceutical sectors with high requirements for dustproof and waterproof performance. From a development perspective, IP67 I/O modules are evolving toward higher integration, networking, and intelligence, with deeper integration into industrial Ethernet and fieldbus protocols, while supporting higher channel density and multifunctional capabilities. Key drivers include industrial automation upgrades, the development of the industrial internet, and increasing demand for flexible manufacturing, which promotes the transition toward distributed system architectures. In addition, rising labor costs and the need for rapid deployment and easy maintenance further support adoption. However, challenges include relatively high product costs, compatibility issues due to diverse industrial communication protocols, and the cost advantages of traditional centralized control systems in some cases. Moreover, harsh industrial environments impose stringent reliability requirements, increasing technical barriers. In terms of profitability, the IP67 I/O module industry generally maintains moderate to relatively high gross margins, typically ranging from 35% to 60%. High-end products with multi-protocol support, strong protection performance, and high channel density achieve higher margins, while standardized products with limited functionality face lower margins due to increasing competition. Overall, the industry demonstrates solid profitability, though it is influenced by upstream chip pricing and downstream large-scale procurement. Companies can maintain stable margins by improving integration, strengthening software capabilities, and expanding into high-end application scenarios.

This report is a detailed and comprehensive analysis for global IP67 I/O Modules market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global IP67 I/O Modules market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global IP67 I/O Modules market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices

(US\$/Unit), 2021-2032

Global IP67 I/O Modules market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global IP67 I/O Modules market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for IP67 I/O Modules

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global IP67 I/O Modules market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Siemens, Turck, Phoenix Contact, Beckhoff, B&R, Murrelektronik, Balluff, ifm, Pepperl+Fuchs, WAGO, etc.

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

### **Market Segmentation**

IP67 I/O Modules market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Digital Modules

Analog Modules

Hybrid Modules

#### Market segment by Communication Method

Industrial Ethernet

Fieldbus

Wireless

#### Market segment by Installation Method

Rail Mount

Surface Mount

Module Stacking

Integrated Mounting

#### Market segment by Application

Automobile Manufacturing

New Energy and Heavy Industry

Logistics and Warehousing

Food and Beverage

Other

## Major players covered

Siemens

Turck

Phoenix Contact

Beckhoff

B&R

Murrelektronik

Balluff

ifm

Pepperl+Fuchs

WAGO

Bihl+Wiedemann

Banner Engineering

Festo

Omron

Inovance

Decowell

SVLEC

## Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe IP67 I/O Modules product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of IP67 I/O Modules, with price, sales quantity, revenue, and global market share of IP67 I/O Modules from 2021 to 2026.

Chapter 3, the IP67 I/O Modules competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the IP67 I/O Modules breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and IP67 I/O Modules market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of IP67 I/O

Modules.

Chapter 14 and 15, to describe IP67 I/O Modules sales channel, distributors, customers, research findings and conclusion.

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