

Global I-O Expander 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 I-O Expander market size was valued at US\$ 2066 million in 2025 and is forecast to a readjusted size of US\$ 3575 million by 2032 with a CAGR of 8.2% during review period.

I-O Expander is an integrated circuit that can control and manage multiple input and output ports. It can help us to be more flexible in designing electronic devices to meet different needs, and it can also simplify the hardware design process and improve the reliability and scalability of the equipment. I-O Expander connects to the main control chip through a standard serial or parallel interface to achieve data transmission and control functions.

Global key players of I-O Expander include NXP, TI, Onsemi, Renesas Electronics, Microchip, etc. The top five players hold a share about 59%. North America is the world's largest market for I-O expander and holds a share about 39%, followed by Europe and China Taiwan, with share about 20% and 16%, separately. In terms of product type, I2C Interface is the largest segment, accounting for a share about 72%. In terms of application, Handheld Devices is the largest field with a share about 49 percent.

This report is a detailed and comprehensive analysis for global I-O Expander 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 I-O Expander market size and forecasts, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (USD/K Unit), 2021-2032

Global I-O Expander market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (USD/K Unit), 2021-2032

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

Global I-O Expander market shares of main players, shipments in revenue (\$ Million), sales quantity (Million Units), and ASP (USD/K 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 I-O Expander

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 I-O Expander 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 NXP, Onsemi, Renesas Electronics, TI, STMicroelectronics, Microchip, MaxLinear, Analog Devices, Nexperia, Diodes, etc.

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

Market Segmentation

I-O Expander 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

SPI Interface

I2C Interface

Others

Market segment by Application

Handheld Devices

Data Communications

White Goods

Others

Major players covered

NXP

Onsemi

Renesas Electronics

TI

STMicroelectronics

Microchip

MaxLinear

Analog Devices

Nexperia

Diodes

Semtech

WCH

XINLUDA

HTCSEMI

AWINIC

HGSEMI

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 I-O Expander product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the I-O Expander 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 I-O Expander 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 I-O Expander.

Chapter 14 and 15, to describe I-O Expander sales channel, distributors, customers, research findings and conclusion.

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