

Global Latch ICs 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 Latch ICs market size was valued at US\$ 1080 million in 2025 and is forecast to a readjusted size of US\$ 1520 million by 2032 with a CAGR of 5.0% during review period.

Latch ICs are fundamental standard logic devices used in digital systems to temporarily store and hold logic states under specific enable conditions, with their core role being to buffer, isolate, retain, and coordinate address, data, and control signals among processors, memories, interface devices, and peripherals. Official product pages show that today's mainstream offerings are primarily D-type transparent latches, addressable latches, and a smaller number of RS latches. Typical control pins include latch enable, output enable, address select, write disable, and clear, while common feature sets center on 3-state outputs, mixed-voltage compatibility, partial-power-down protection, low static power consumption, and bit-width scaling from single-gate and quad-channel devices to 8-bit and 16-bit devices. Their typical customers include industrial control board makers, networking and communications equipment vendors, computer and peripheral manufacturers, automotive electronics suppliers, and aerospace high-reliability system developers. Typical use cases include buffer registers, I/O ports, bidirectional buses, address latching, state retention, and decoding control. In terms of delivery model, the market still mainly sells standardized catalog parts, but automotive-qualified, radiation-hardened, low-power miniature-package, and long-lifecycle devices are increasingly becoming key differentiators, pushing latch ICs beyond basic logic components into critical enabling devices for reliable interfaces, mixed-voltage systems, and long-life electronic equipment.

The industry position of latch ICs is shifting from being viewed as textbook basic logic devices to being recognized again as core components in interface systems and board-

level control. Whether it is TI's SN74HC573A, onsemi's MM74HC373, Nexperia's 74HC573, or SGMICRO's 74HC573, official product pages clearly position these devices for buffer registers, I/O ports, bidirectional bus drivers, and working registers. This means the value of latch ICs does not lie in complex computation, but in providing stable, low-cost, and predictable state retention and bus coordination for complex systems. As electronic systems adopt more power domains, more interface devices, and more heterogeneous control units, latch ICs become even more suitable as standardized nodes for signal isolation, temporary retention, and address expansion. The parallel existence of D-type transparent latches, addressable latches, and RS latches further shows that the market has not converged into a single form, but instead has developed a clearly structured set of subsegments around bus interfacing, bit-select control, and state memory. This makes the market basic in nature, but far from superficial.

From the perspective of product evolution, future growth in latch ICs is unlikely to come mainly from simply increasing bit width, but rather from capability upgrades that better match modern system requirements. Diodes' 74LVC573A, TI's SN74LV373A, and Nexperia's 74AUP1G373 all emphasize mixed-voltage compatibility, partial-power-down protection, low static power consumption, and wider operating-voltage ranges, indicating that latch ICs have moved beyond being simple bus accessories of the 5 V logic era and are becoming interface-support devices for mixed systems spanning roughly 1 V to 5 V. At the same time, automotive and aerospace high-reliability applications are continuing to lift product value. TI's and Nexperia's Q100 latch devices demonstrate the importance of long lifecycle and consistency in automotive electronics, while Renesas' HCS573MS and ST's M54HC259 show that latch ICs remain irreplaceable basic units in radiation-hardened and high-reliability applications. Going forward, the industry is more likely to expand along four paths, namely lower voltage operation, reliability grading, smaller packaging, and long-lifecycle supply, rather than remain trapped in the outdated view that standard logic no longer grows.

From the standpoint of regional structure and industry outlook, latch ICs represent a mature yet still steadily growing long-tail logic market. On the supply side, the market is currently supported by companies from the United States, Europe, Japan, and mainland China, with TI, onsemi, Diodes, Nexperia, ST, Toshiba, Renesas, and SGMICRO representing different directions such as comprehensive standard logic, low-voltage logic, automotive logic, specialty logic, and domestic substitution. On the demand side, applications are broadly distributed across industrial control, networking and communications, computer peripherals, automotive electronics, and aerospace systems. These products can be sold globally as catalog standard parts, while

automotive-qualified, radiation-hardened, and long-lifecycle versions can enter higher-value projects. A more reasonable assessment of this industry is not to view it as a stagnant market for old devices, but as a foundational interface layer that keeps getting called back into new designs as system complexity rises. As long as board-level electronic design continues to need low-cost, stable, and deterministic solutions for state retention and address expansion, latch ICs will continue to have real demand and will keep releasing incremental growth, especially in domestic substitution and high-reliability submarkets.

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

Global Latch ICs market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

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

Global Latch ICs market shares of main players, shipments in revenue (\$ Million), sales quantity (Million 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 Latch ICs

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 Latch ICs 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 Nexperia, ON Semiconductor, Texas Instruments, Toshiba, Renesas Electronics, STMicroelectronics, Diodes Incorporated, SG Micro Corp, etc.

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

Market Segmentation

Latch ICs 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

SR (Set-Reset) Type

D (Data) Type

T (toggle) Type

J-K Type

Market segment by Reliability Grade

General Industrial Grade

Automotive Grade

Radiation-Hardened Aerospace Grade

Other

Market segment by Latch Structure?

D-Type Transparent Latch

RS Latch

Addressable Latch

Market segment by Application

Bus Interface Latching

Port Expansion and Retention

Control and Status Latching

Other

Major players covered

Nexperia

ON Semiconductor

Texas Instruments

Toshiba

Renesas Electronics

STMicroelectronics

Diodes Incorporated

SG Micro Corp

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 Latch ICs product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Latch ICs, with price, sales quantity, revenue, and global market share of Latch ICs from 2021 to 2026.

Chapter 3, the Latch ICs competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Latch ICs 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 Latch ICs 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 Latch ICs.

Chapter 14 and 15, to describe Latch ICs sales channel, distributors, customers, research findings and conclusion.

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