

Global Latch ICs Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Latch ICs market size is expected to reach \$ 1520 million by 2032, rising at a market growth of 5.0% CAGR during the forecast period (2026-2032).

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 studies the global Latch ICs production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Latch ICs and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Latch ICs that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Latch ICs total production and demand, 2021-2032, (Million Units)

Global Latch ICs total production value, 2021-2032, (USD Million)

Global Latch ICs production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Million Units), (based on production site)

Global Latch ICs consumption by region & country, CAGR, 2021-2032 & (Million Units)

U.S. VS China: Latch ICs domestic production, consumption, key domestic manufacturers and share

Global Latch ICs production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Million Units)

Global Latch ICs production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

Global Latch ICs production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

This report profiles key players in the global Latch ICs market based on the following parameters - company overview, production, value, 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Latch ICs market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Million Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Latch ICs Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Latch ICs Market, Segmentation by Type:

SR (Set-Reset) Type

D (Data) Type

T (toggle) Type

J-K Type

Global Latch ICs Market, Segmentation by Reliability Grade:

General Industrial Grade

Automotive Grade

Radiation-Hardened Aerospace Grade

Other

Global Latch ICs Market, Segmentation by Latch Structure?:

D-Type Transparent Latch

RS Latch

Addressable Latch

Global Latch ICs Market, Segmentation by Application:

Bus Interface Latching

Port Expansion and Retention

Control and Status Latching

Other

Companies Profiled:

Nexperia

ON Semiconductor

Texas Instruments

Toshiba

Renesas Electronics

STMicroelectronics

Diodes Incorporated

SG Micro Corp

Key Questions Answered:

1. How big is the global Latch ICs market?
2. What is the demand of the global Latch ICs market?
3. What is the year over year growth of the global Latch ICs market?
4. What is the production and production value of the global Latch ICs market?
5. Who are the key producers in the global Latch ICs market?
6. What are the growth factors driving the market demand?

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