

Global Single-chip Flash Card Reader Controller 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 Single-chip Flash Card Reader Controller market size was valued at US\$ 75.94 million in 2025 and is forecast to a readjusted size of US\$ 116 million by 2032 with a CAGR of 6.2% during review period.

Single-chip Flash Card Reader Controller is a highly integrated memory-card interface controller that combines card detection, command processing, host interface control, data transfer logic, error handling, power management, and protocol support within one chip, enabling compact and cost-efficient access to SD, microSD, and other removable flash storage formats. Compared with a general flash card reader controller, this product definition emphasizes single-chip integration, smaller peripheral component requirements, simplified circuit design, lower system cost, and stable compatibility for compact card-reading devices. In 2025, production was 41 million units and the average price was USD 1.8 per unit. The industry's capacity utilization rate in 2025 was about 70%, and the average gross margin was around 30%. Upstream, the key inputs mainly include silicon wafers, photoresists, electronic specialty gases, and packaging materials, with representative suppliers such as Shin-Etsu Chemical, JSR, and Air Liquide providing core semiconductor materials and process inputs. The midstream segment focuses on single-chip controller architecture design, memory card protocol integration, host interface adaptation, data transfer logic, signal integrity optimization, power management, firmware compatibility, wafer fabrication, packaging, testing, and reliability validation, which together determine reading stability, transfer efficiency, card compatibility, power consumption, integration level, and cost competitiveness. Downstream, Single-chip Flash Card Reader Controller is mainly used in personal computers, external card readers, and docking stations, where it helps notebooks,

desktops, peripheral accessories, and expansion devices provide convenient access to removable flash storage, with representative customers including Lenovo, Dell Technologies, and Anker Innovations.

Single-chip Flash Card Reader Controller demand will be tied to peripheral products that need small size, low cost, and stable removable-storage access. In personal computers, card-reading functions remain useful for cameras, creators, industrial users, and data transfer between legacy devices. External card readers and docking stations prefer single-chip solutions because they reduce board area, peripheral components, power consumption, and assembly complexity. The product is unlikely to rely on explosive new demand, but on steady replacement, accessory integration, and long-tail storage-card use. Competition will focus on card compatibility, driver maturity, transfer stability, compact packaging, low failure rate, and cost control.

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

Global Single-chip Flash Card Reader Controller 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 Single-chip Flash Card Reader Controller 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 Single-chip Flash Card Reader Controller 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 Single-chip Flash Card Reader Controller

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 Single-chip Flash Card Reader Controller 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 FTDI (UK), Silicon Labs (USA), TI (USA), Fujitsu (Japan), Infineon (Germany), Silicon Motion (Taiwan), ASMedia Technology (Taiwan), JMicron Technology (Taiwan), WCH (China), Sage Microelectronics (China), etc.

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

Market Segmentation

Single-chip Flash Card Reader Controller 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

36-Pin VQFN

48-Pin VQFN

Others

Market segment by Interface Standard

USB 2.0

USB 3.0

Others

Market segment by Data Rate

Data Rate?480Mbps

480Mbps

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