

Global Plastic Chip Cards Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G3EFF583CA94EN.html>

Date: May 2026

Pages: 171

Price: US\$ 4,480.00 (Single User License)

ID: G3EFF583CA94EN

Abstracts

The global Plastic Chip Cards market size is expected to reach \$ 26315 million by 2032, rising at a market growth of 3.4% CAGR during the forecast period (2026-2032).

Plastic chip cards, also commonly referred to as IC cards or smart cards, are durable card-shaped media primarily made of PVC or other plastic materials, embedded with a micro integrated circuit chip. Unlike traditional magnetic stripe cards, they can securely store encrypted data, perform simple logical operations, and support identity verification and transaction processing. They are widely used in financial payments, public transportation, access control, identification, and other scenarios, offering higher security, larger storage capacity, and stronger anti-counterfeiting performance, and have become a mainstream physical carrier for electronic transactions and identity authentication.

In 2025, global Plastic Chip Cards production reached approximately 252,450 million pieces, with an average global market price of around US\$ 0.08 per piece.

The upstream of plastic chip cards consists of suppliers providing core components and raw materials, including semiconductor manufacturers for microchips (contact/contactless), PVC/PETG/PET resin producers for card bodies, chemical suppliers for coatings and inks, and equipment vendors for production machinery. These feed into midstream manufacturers that integrate these materials through processes like chip embedding, card lamination, printing, and personalization. The downstream links connect manufacturers to card issuers in financial services, government agencies, telecommunications, transportation, and retail sectors, which distribute cards to end-users for payment, identification, access control, and other applications.

The cost structure of plastic chip cards is dominated by material expenses, with microchips accounting for 30-50% of total costs (varying by chip type, from basic memory chips to advanced CPU chips), followed by plastic substrates (PVC/PETG) at 10-15%, and security features like holograms or UV inks at 5-10%. Production costs include lamination, printing, chip embedding, and personalization (encoding data) at 15-20%, while overheads cover quality control, compliance testing, logistics, and administrative expenses at 10-15%. Premium cards with enhanced security or custom designs have higher costs, while high-volume production reduces per-unit expenses through economies of scale.

This report studies the global Plastic Chip Cards production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Plastic Chip Cards 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 Plastic Chip Cards that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Plastic Chip Cards total production and demand, 2021-2032, (Million Pieces)

Global Plastic Chip Cards total production value, 2021-2032, (USD Million)

Global Plastic Chip Cards production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Million Pieces), (based on production site)

Global Plastic Chip Cards consumption by region & country, CAGR, 2021-2032 & (Million Pieces)

U.S. VS China: Plastic Chip Cards domestic production, consumption, key domestic manufacturers and share

Global Plastic Chip Cards production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Million Pieces)

Global Plastic Chip Cards production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Million Pieces)

Global Plastic Chip Cards production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Million Pieces)

This report profiles key players in the global Plastic Chip Cards 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 Giesecke & Devrient, IDEMIA, Thales Group, Inteligenza Group, American Banknote Corporation, Valid, Toppan Printing, CPI Card Group, Goldpac Group, Eastcompeace, 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 Plastic Chip Cards market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Million Pieces) and average price (US\$/Piece) 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 Plastic Chip Cards Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Plastic Chip Cards Market, Segmentation by Type:

Contact Cards

Contactless Cards

Global Plastic Chip Cards Market, Segmentation by Chip Functionality:

Memory Cards

CPU Cards

Hybrid Cards

Global Plastic Chip Cards Market, Segmentation by Storage Capacity:

Low Capacity (<4KB)

Medium Capacity (4KB-32KB)

High Capacity (>32KB)

Global Plastic Chip Cards Market, Segmentation by Application:

Banking

Healthcare

Finance

Entertainment

Media

Others

Companies Profiled:

Giesecke & Devrient

IDEMIA

Thales Group

Inteligensa Group

American Banknote Corporation

Valid

Toppan Printing

CPI Card Group

Goldpac Group

Eastcompeace

TAG Systems SA

Marketing Card Technology

Arroweye Solutions

QARTIS

CardLogix Corporation

Teraco

Watchdata

Hengbao

HID Global

Chutian Dragon

Kona I

Wuhan Tianyu

Key Questions Answered:

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

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