

Global RFID Cards Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global RFID Cards market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

RFID, or Radio-Frequency Identification, is a technology that uses radio waves to communicate between a reader and a passive RFID tag or card. The RFID card, also known as a transponder, contains a microchip that stores and processes information, as well as an antenna that transmits and receives the radio signals. There are several types of RFID chips available, each with different capabilities and characteristics.

Ultra-High-Frequency (UHF) RFID chips, which operate at frequencies between 300 MHz and 3 GHz. They have a read range of up to 10 meters and are often used for inventory tracking and supply chain management. Active RFID tags have own power source and can have much larger range and transmit much more data.

Low-Frequency (LF) RFID chips, which operate at frequencies between 30 kHz and 300 kHz. They have a short read range of a few centimeters and are typically used for applications such as access control and animal identification. Low frequency RFID Cards mostly called "Proximity Cards" are usually used in identification and access control applications. LF cards have lower read range and communication speeds than other RFID Card types and the most common chips offer low-cost and low-security solutions where a simple UID or identification key is required. High Frequency RFID Cards (HF)

High frequency is the most diverse category of contactless and RFID smart card and is used as ID cards, access control, payments and loyalty cards, transport and ticketing. 13.56Mhz HF cards are complied by ISO/IEC 14443A/B or ISO/IEC 15693 standards

and range from simple fixed memory to high security Java and PKI processor cards. Ultra High Frequency RFID Cards (UHF) follows the EPCglobal Gen2 standard and uses the 850—960Mhz frequency band to provide long-range data transfer (up to 10m) compared to LF or HF cards. UHF labels and tags are used extensively in warehousing and product tracking while UHF cards are popular choice for location and attendance tracking applications.

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

This report is a detailed and comprehensive analysis of the world market for RFID Cards, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of RFID Cards that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global RFID Cards total production and demand, 2018-2029, (K Units)

Global RFID Cards total production value, 2018-2029, (USD Million)

Global RFID Cards production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global RFID Cards consumption by region & country, CAGR, 2018-2029 & (K Units)

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

Global RFID Cards production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global RFID Cards production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global RFID Cards production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global RFID 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 NXP Semiconductors, Alien Technology, Impinj, Inc, Avery Dennison Corp, Pepperl+Fuchs, PrintPlast, Lodging Access Systems Inc, Dipole RFID and smart-TEC GmbH&Co.KG, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

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

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global RFID Cards Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global RFID Cards Market, Segmentation by Type

Low Frequency RFID Cards(LF)

High Frequency RFID Cards(HF)

Ultra High Frequency RFID Cards(UHF)

Global RFID Cards Market, Segmentation by Application

Access Control

Inventory Tracking

Asset Tracker

Contactless Payment

Public Transit

ID Card

Companies Profiled:

NXP Semiconductors

Alien Technology

Impinj, Inc

Avery Dennison Corp

Pepperl+Fuchs

PrintPlast

Lodging Access Systems Inc

Dipole RFID

smart-TEC GmbH&Co.KG

Microchip Technology

STMicroelectronics

SONY

Key Questions Answered

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

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