

Global Illuminating Payment Cards 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 Illuminating Payment Cards market size was valued at US\$ 373 million in 2025 and is forecast to a readjusted size of US\$ 693 million by 2032 with a CAGR of 9.4% during review period.

In 2025, global Illuminating Payment Cards production reached approximately 90.54 M Units. The average price is approximately \$4. Illuminating Payment Cards are electronic payment cards equipped with integrated light-emitting components such as LEDs or OLED elements that illuminate during a transaction or specific user interaction, typically when the card is tapped on a contactless reader.

Gross Profit Margin Levels

The gross profit margin of lighting payment cards is typically significantly higher than that of standard EMV cards. On one hand, LED/OLED inlays, light guide structures, lamination materials, packaging, and testing result in higher BOMs and more complex lamination processes. On the other hand, lighting cards are often used in high-end or co-branded projects, where customers have a stronger willingness to pay for 'visible differentiation,' and issuing banks are more focused on the overall return on investment, including activation rates, usage frequency, and brand exposure. Therefore, the more common profit structure in the industry is: during the introduction/highly customized phase, the gross profit margin can reach 30%-55% (estimated); once stable mass production, standardized designs, and the widespread adoption of universal inlays are achieved, the gross profit margin will converge towards 30%-45%. The core variables depend on yield (lamination defects/reliability), certification cost amortization, and whether a battery-free solution is adopted (beneficial for lifespan and compliance, and

also reduces maintenance complexity). Essentially, it's a high-value-added, small-batch business combining 'process + electronics + certification.' Whether it can achieve scale depends on the supply side's ability to 'encapsulate complexity into standardized inlays.'

Industry Drivers

The core driving force behind lighting payment cards comes from three overlapping factors: First, the widespread adoption of contactless payments makes 'lighting feedback' more frequent and accessible?only when a large number of transaction scenarios support NFC will the experiential value of LED cards be amplified daily; Second, banks and FinTech are entering a 'competitive race' in customer acquisition and retention, and lighting cards can upgrade brand symbols from static printing on the card face to 'dynamic exposure at the moment of transaction,' naturally strengthening the 'top-of-wallet' mindset; Third, key breakthroughs are occurring on the supply side: energy harvesting, electronic components, and connectivity are being more centrally integrated into single-layer/standardized inlays, making it easier for manufacturers to implement them on existing production lines, thereby shortening the trial production-certification-mass production cycle. At the same time, limiting factors are also clear: higher costs than ordinary cards, stricter reliability requirements for electronic lamination, and compliance certification and sustainable recycling requirements for different payment networks/regions will all affect the pace of volume expansion. In summary, in the short term, lighting payment cards will remain a differentiating weapon for 'high-end/co-branded/young customer groups,' and in the medium term, if standardized inlays mature further, they may move from being a 'gimmick' to more widely scalable deployment.

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

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

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

Global Illuminating Payment Cards market shares of main players, shipments in revenue (\$ Million), sales quantity (K 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 Illuminating Payment Cards

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 Illuminating Payment Cards 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 IDEMIA, Thales, Giesecke+Devrient, CPI Card Group, CompoSecure, Goldpac, Watchdata, Valid, TOPPAN Security, Manipal Payment & Identity Solutions, etc.

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

Market Segmentation

Illuminating Payment Cards 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

Passive NFC-Powered LED Cards

Passive OLED Illuminated Cards

Active Ultra-Thin Battery Illuminated Cards

Others

Market segment by Payment Function

Illuminated Credit Card

Illuminated Debit Card

Others

Market segment by Technical Form

Metallic Substrate Illuminated Cards

Transparent Substrate Illuminated Cards

Frosted Matte Illuminated Cards

Others

Market segment by Application

Banking

Payment Institutions

Fintech

Others

Major players covered

IDEMIA

Thales

Giesecke+Devrient

CPI Card Group

CompoSecure

Goldpac

Watchdata

Valid

TOPPAN Security

Manipal Payment & Identity Solutions

Seshaasai Technologies

Foongtone

Sentry Enterprises

NOBEL ID

SconeTech

Dynamics Inc.

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 Illuminating Payment Cards product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Illuminating Payment Cards 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 Illuminating Payment Cards 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 Illuminating Payment Cards.

Chapter 14 and 15, to describe Illuminating Payment Cards sales channel, distributors, customers, research findings and conclusion.

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