

Asia Pacific Barcode Software Market, By Type (1D, 2D), By Application (Package Tracking, Employee Attendance and Time Tracking, Asset Management, Others), By End User (BFSI, Transportation and Logistics, Manufacturing, Healthcare, Retail, Others), By Country, By Competition Forecast & Opportunities, 2018-2028F

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Abstracts

Asia Pacific Barcode Software market is growing, owing to increasing demand for online gaming. The need for effective and efficient barcode software has increased due to the escalating competitiveness across industries, including manufacturing, retail, healthcare, and transportation and logistics. By providing real-time data, barcode systems assist businesses in keeping track of both their shipments and assets. Additionally, this data assist businesses in improving decision-making and general productivity. Additionally, these software programmes assist businesses in achieving time optimisation, mistake reduction, on-time delivery, and increased production. The market for Asia Pacific barcode software is anticipated to grow throughout the projected period.

In the past, parallel lines of varied lengths, spacings, and diameters were used to represent data in barcodes. These barcodes may be read by specialised optical scanners known as barcode readers, of which there are several varieties.

Demand for Accurate and Legal Data Collection Procedures

Barcode software solutions improve data collection's efficiency and accuracy, helping businesses of all sizes to move more quickly through their daily processes. These

software solutions enhance inventory management procedures and lower human mistake rates. The need for precise data real-time collection technologies has significantly increased due to increased competition among businesses in a variety of industries, including healthcare, manufacturing, retail, and transportation, which is driving the demand for sophisticated and simple to use barcode software solutions. For instance, TEKLYNX provides label design solutions that make it easier to produce straightforward labels with text, graphics, and barcodes, along with more intricate labels that adhere to various requirements. The industry's best label templates, extensive database connections, and design and integration capabilities, are just a few of the important characteristics of TEKLYNX's barcode software. Similar to Zebra Technologies Corporation, Denso ADC, General Data, Honeywell International, and Honeywell International provide effective and efficient barcode software solutions for varied industrial demands and requirements. Manufacturers use barcode software to monitor their inventory levels, as well as to lower operational risks and get rid of pointless bottlenecks in corporate operations. The need for more effective and economical barcode software solutions among small, mid-sized, and big industrial enterprises, is pushing the industry as a whole.

Increasing Frequency of Barcode Use in Logistics and Transportation, Including the Healthcare Industry

The logistics and transportation, healthcare, and other industries, have all seen a surge in the adoption of sophisticated and effective barcode software. Technology helps the healthcare industry ensure improved patient safety and operational effectiveness. The organization of procedures including patient admittance, identification, medicine administration, and care, is aided by barcode technology. Additionally, it aids medical professionals in providing patients with the proper care and medication. The barcode technology helps with asset monitoring, stock maintenance, staff attendance, and time management in the logistics and transportation industry. It enhances supply chain management and gives businesses in this industry a competitive advantage. The purpose of barcode software solutions is to assist logistics and transportation businesses in tracking shipments based on specific criteria, such as the starting point, time, place, and size. Additionally, technology helps logistics and goods' operators conduct efficient operations. Due to the technology's suitability for both big and small and mid-sized logistical companies, the market for barcode software is expanding.

Barcode Software Requirement for Supply Chain Management

Supply Chain Management is enhanced and improved in every way using barcode

technology. It facilitates an efficient and productive company integration process, overall. The technology makes it possible to quickly follow the progress of product shipments, which lowers the likelihood of mistakes throughout the process. It is also inexpensive and simple to use. Due of these advantages, businesses are increasingly utilising barcode technology, particularly for supply chain management. Barcode tracking facilitates the utilisation of reliable data for decision-making, while also saving time and money. While traditional inventory management requires many hours to complete, barcode tagging allows for real-time shipment tracking and analysis, resulting in swift and efficient supply chain operations. In one of its reports, Zebra Technologies Corporation offered the example of a bakery that, after deploying an inventory monitoring system, cut its inventory and distribution expenditures by USD 3 million in the first year. The bakery was able to obtain accurate and timely inventory information by maintaining closer tabs on and collecting more data about their items. Therefore, the advantages of barcode technology have made it one of the widely used methods for minimising mistakes and saving time, which is increasing company demand, providing chances for solution providers to target the supply chain segment for growth and revenue creation.

Security-Related Issues

The barcode technology that is currently in use is very sophisticated and a prime target for cybercriminals. Malicious barcodes put all users at grave danger. Using ASCII control characters and advanced data formatting (ADF) contained in barcodes, hackers may construct automated and complex system-wide attacks. The firewall system can simply be turned off as a result of security compromises. All crucial data and files can also be corrupted and deleted, disrupting the daily operations of businesses. The impact of this market limitation is lessened overall with investments made by the barcode software suppliers in research and development (R&D) projects to provide best in class and highly secure solutions for the businesses.

Increasing Demand for Modern Software Development Kits

Majority of Software Development Kits (SDKs) from various businesses are quite effective and sophisticated. SDKs make it possible to turn smartphones, tablets, and other wearable technology into scanners that are suitable for use in businesses. These SDKs have barcode scanning, augmented reality, text recognition, and ID scanning, among their capabilities. For instance, Scandit provides SDKs for native mobile apps that support augmented reality (AR), text recognition, and high-performance barcode scanning. It offers precise barcode scanning software that works with over 20,000

different mobile device models and all significant barcode kinds. The total processing speed and data security are increased since it takes place locally on the device, rather than in the cloud. In a similar vein, Zebra Technologies Corporation provides Scanner SDKs that make it simple to develop fully functional applications. These suppliers' SDKs allow users to gather, enhance, and manage all aspects of data collecting. All types of operating systems (OS), including Windows, iOS, Android, and Linux, are compatible with SDKs.

Market Segments

The Asia Pacific Barcode Software market is segmented based on Type, Application, End User, and country. Based on type, the market is bifurcated into 1D, 2D. Based on Application, the market is segmented into Package Tracking, Employee Attendance and Time Tracking, Asset Management, and Others. Based on End User, the market is segmented into BFSI, Transportation and Logistics, Manufacturing, Healthcare, Retail, and Others.

Market Players

Major market players of Asia Pacific Barcode Software Market are Bluebird, Inc., Captterra Inc., Denso ADC, Datalogic S.P.A., OCR Canada Ltd., General Data Company Inc., Honeywell International Inc., Motorola Solutions, NCR Corporation, Zebex Industries Inc.

Report Scope:

In this report, Asia Pacific Barcode Software Market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Asia Pacific Barcode Software Market, By Type

1D

2D

Asia Pacific Barcode Software Market, By Application

Package Tracking

Employee Attendance and Time Tracking

Asset Management

Others

Asia Pacific Barcode Software Market, By End User

BFSI

Transportation and Logistics

Manufacturing

Healthcare

Retail

Others

Asia Pacific Barcode Software Market, By Region:

China

Japan

India

Australia

South Korea

Malaysia

Singapore

Indonesia

Thailand

Vietnam

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in Asia Pacific Barcode Software market

Available Customizations:

Asia Pacific Barcode Software market with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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