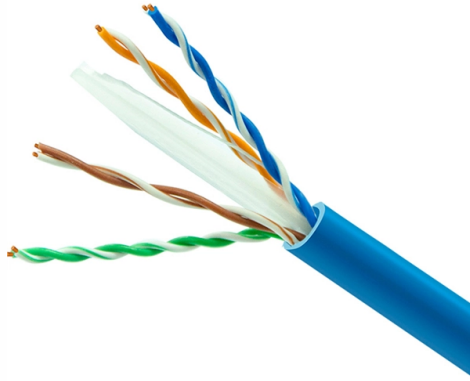


Batch Identification of Distribution Boxes



Overview

What You Should Know About Product Batch Codes Discover what product batch codes are, how they work, where to find them, and why QR Codes are revolutionizing.

Key Takeaways

Batch identification involves assigning unique batch codes to distribution boxes to ensure traceability, quality control, and efficient inventory management. What is Batch Identification? Batch identification, also called lot tracking, is the process of assigning a unique alphanumeric code to a group of products or materials produced under the same conditions.

This code allows distributors to trace the origin, production date, and handling history of each box throughout the supply chain (). Unlike serial numbers, which identify individual items, batch codes group products made in the same production run, making it easier to manage inventory and respond to recalls. Key Components of a Batch Code A typical batch code for distribution boxes may include (): Production Date: Encoded as year/month/day or Julian date (e.g., 230915 for September 15, 2023).

Factory Code: A letter or number representing the manufacturing facility (e.g., “A” for Factory A). Batch Number: Sequential digits indicating the production order (e.g., “B2” for Batch 2). These elements ensure that each distribution box can be traced back to its production conditions and location.



Implementation in Distribution

Receiving and Storage: Each incoming shipment is assigned a unique batch number and recorded in the warehouse management system. Raw materials or components may also have their own batch numbers for traceability (). **Labeling:** Distribution boxes are labeled with the batch code, production date, and other relevant identifiers.

Barcodes or QR Codes

R codes are often used for automated scanning. **Inventory Management:** Batch codes are linked to inventory records, allowing real-time tracking of stock levels, expiration dates, and storage locations (). **Shipping and Distribution:** When boxes are shipped, the batch code ensures that the correct products are delivered and enables rapid identification in case of recalls or quality issues ().

Software and Automation ERP systems like SAP S/4HANA support automatic batch determination, which can recommend or select batches for delivery, production, or inventory transfers based on predefined rules (). This reduces manual errors and ensures compliance with quality and regulatory standards.

Benefits

Traceability: Quickly identify which boxes came from which production run. **Quality Control:** Prevent shipping expired or defective products. **Regulatory Compliance:** Maintain records for audits and inspections.

Efficiency: Streamline warehouse operations and reduce recall response time (). Batch identification is essential for any distribution operation that requires accurate tracking, accountability, and quality assurance. By combining unique batch codes, proper labeling, and integrated software systems, companies can maintain full visibility over their distribution boxes throughout the supply chain.

Article Content

What You Should Know About Product Batch Codes

Discover what product batch codes are, how they work, where to find them, and why QR Codes are revolutionizing batch tracking. Learn how QuitURL's powerful QR Code Generator helps

Batch Tracking for Distribution: Step-by-Step Implementation Guide

Learn how to implement end-to-end batch/lot tracking in distribution: data model, labeling, scanning, ERP integration, recalls, KPIs, and the best tools to use.

Batch Tracking and Packing: The Complete Guide to Lot Control,

Learn how to master batch tracking and packing for accurate inventory, full traceability, and compliance. Explore lot control workflows, GS1 labels, tools, KPIs, and an implementation

Guide to Batch Number Requirements in the EU

This guide takes a closer look at EU requirements concerning batch numbers, formats, and which products require them

Batch traceability in logistics: the complete guide

In the age of transparency and quality, batch traceability is essential for efficient logistics. This guide explores how accurate tracking of every batch can boost customer confidence and optimize operations.

Batch Determination | SAP Help Portal

In Sales and Distribution, it is possible to determine batches that match customer specifications. Batch determination can be triggered at two points in the process, either when the sales order is entered, or

Everything You Need To Know About Batch Codes In 2026

Batch codes, also known as lot numbers or batch numbers, are alphanumeric identifiers printed on product packaging to track manufacturing batches. They play a critical role in quality control, recalls,

Batch numbers: key to tracking and quality control | Qoblex

What is a Batch Number? A batch number serves as a unique identifier for products manufactured under identical conditions. This alphanumeric code enables precise tracking from

The Roles of Serialisation, Batch Numbering, and Barcoding in Supply ...

With regulations like the EU Falsified Medicines Directive (FMD), every drug must be assigned both a batch number and a serialised identifier to verify authenticity and prevent fraudulent

Understanding SAP Batch Management – A Simple and ...

In the upcoming blog, I will explain Automatic Batch Determination in detail, including configuration steps, master data requirements, and real-time business scenarios to help you

Unlocking Batch Picking: 7 Best Practices & Pros and

Discover the 7 best practices of batch picking in warehouses, including its process, comparisons, pros and cons, and integration with AutoStore technology.

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Batch IDs in Food Traceability Systems

To track food batches effectively, batch IDs are often integrated into barcode or RFID (Radio Frequency Identification) tags affixed to product

What Is a Batch Number And What Is It Used For?

The data included in the batch number typically includes information about the raw materials used, production data, and the location of production. What Is a Batch Code? A batch code

Batch Determination and Batch Check in SAP S/4HANA

Learn how to set up automatic batch determination in SAP S/4HANA for inventory management, production, sales, and distribution.

Where is the lot number on a product?

Understanding the intricacies of product identification is critical in modern manufacturing, logistics, and regulatory compliance. At the heart of this system lies the humble lot number – a

Distribution Batch Tracking: Processes, Software, and Best Practices

Build end-to-end distribution batch tracking with clear processes, data standards, and tools. Improve recall readiness, compliance, FEFO, and inventory accuracy while keeping ERP stable.

What is a Product Batch Code?

What is a product batch code? A batch code is an alphanumeric designation used to identify and trace a batch of identical products sharing uniform characteristics of production, e.g., production time and

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

