

# Barcode Scanner for your warehouse

Advanced workflows and configuration

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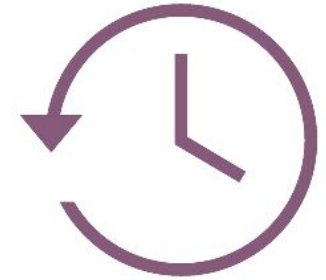
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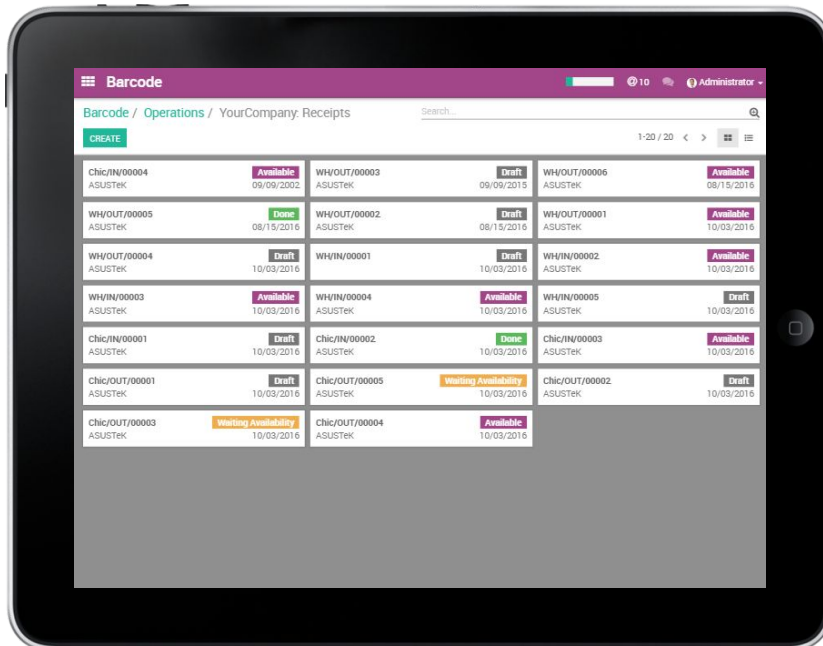


# Quick Overview

# Boost your productivity.

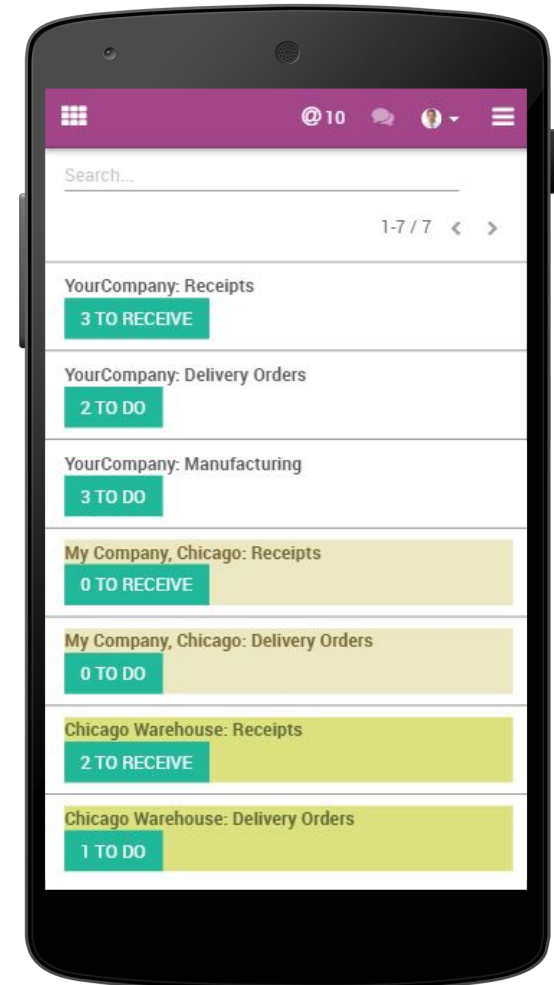
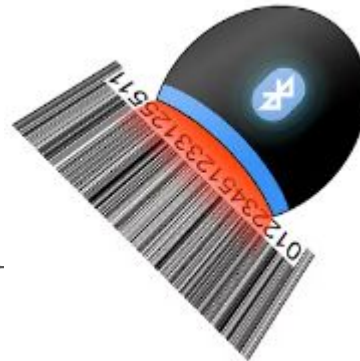


- Quickly encode and find Serial Numbers, Pickings, MO's, Products, Customers,...
- Use mobile devices to get Odoo where you need it.



# Barcode optimized views

- POS
  - Products
  - Weights
  - Customers
  - Loyalty Cards
- WMS
  - Pickings
  - Inventory
  - Serial Numbers
- MRP
  - Manufacturing Orders
  - Work Orders



# Standard interface

- Searching for records

Products Product 054398267125 ✕ Search...

[CREATE](#) 1-1 / 1 < > ☰ ☰



[E-COM07] iPad Mini  
Price: 320.00€  
On hand: 499.000 Unit(s)

- Entering data

**Active**    0 Bill of Materi...    0 Manufacturing    499 On Hand    140 Forecasted    Traceability    0 Reordering R...

Product Name  
**iPad Mini**

Can be Sold  
 Can be Purchased

GENERAL INFORMATION    INVENTORY    SALES    NOTES

Product Type	Stockable Product	Sale Price	320.00	€
Internal Reference	E-COM07	Cost	800.00	€
Barcode	054398267125			



# Main Concepts

# Barcode nomenclature

They define how barcodes are recognized and categorized.

For example, it is possible to define a barcode pattern which will contain the product barcode and it's weight.

Rule Name	Type	Encoding	Barcode Pattern
Weight Barcodes 3 Decimals	Weighted Product	EAN-13	21.....{NNDDD}
Location barcodes	Location	Any	414
Package barcodes	Package	Any	PACK
Lot barcodes	Lot	Any	10
Product Barcodes	Unit Product	Any	*

Definition on the barcode nomenclature:

21.....{NNDDD}

Definition on the barcode itself (Product form): 211234500000

If following barcode is scanned (POS): 211234501500

→ 21 is the pattern for a weighted product

→ 12345 is the product barcode

→ 01500 is the weight in the product UOM (ex. 1,5kg)

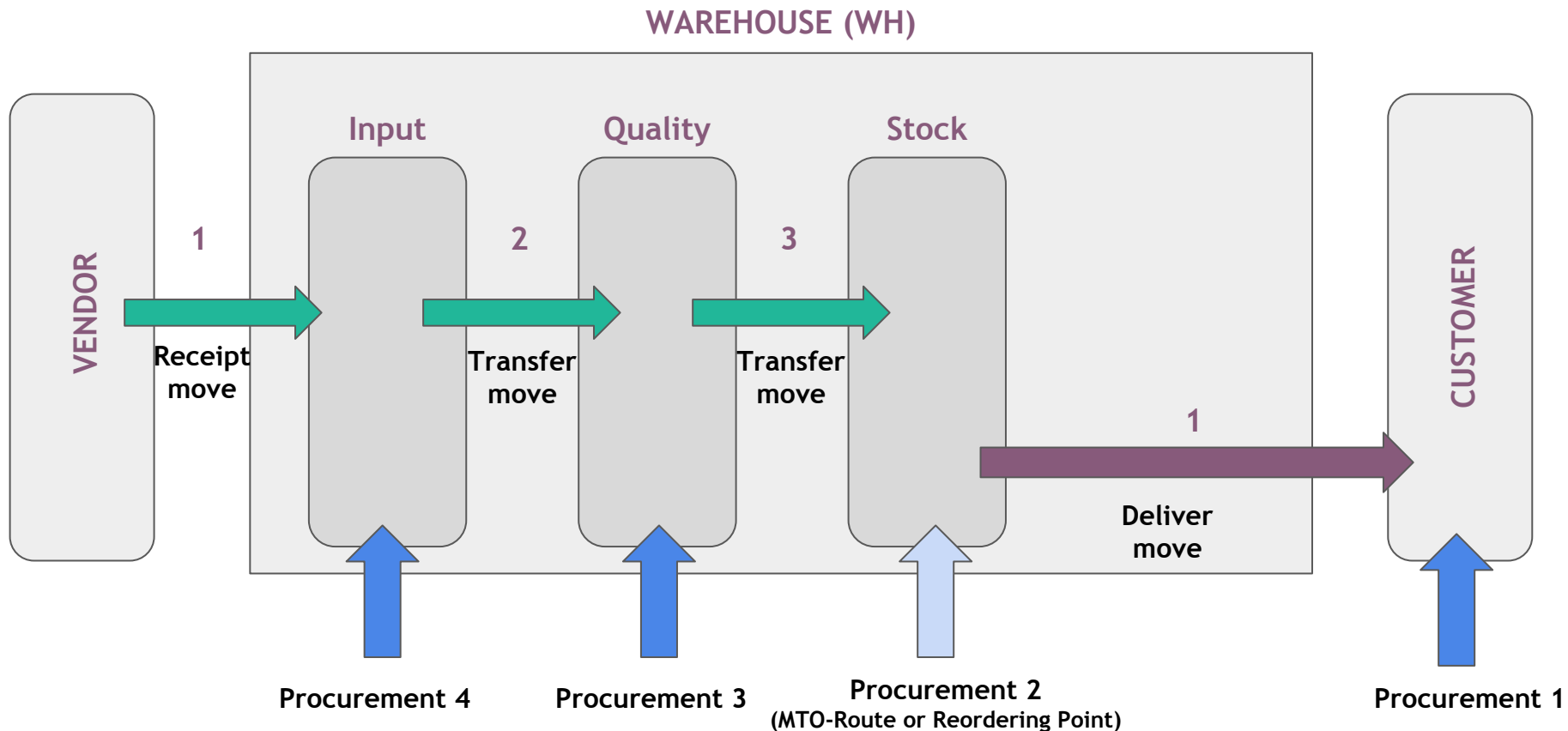
Odoo will look for the first matching rule and apply it.



# Procurements and Routes

A **Procurement** is a need of a specific quantity for a specific product in a specific location. This need is fulfilled by a route.

A **Route** is a collection of procurement rules and push rules. It's the way followed by the product.



# Pickings and Serial Numbers

The Picking can entirely be done with the barcode scanner:

- Scan the printed Picking to open it in Odoo

**odoo**  
Demo Company  
1725 Slough Ave.  
Scranton PA 18540  
United States

- Scan the the first item to transfer

Great Product for Great People  


- Scan its Serial Number/Lot

iPad Mini  
  
0 5 4 3 9 8 2 6 7 1 2 5

- Repeat until done

MD379LL/A iPhone 4S, Black, 32GB  
Designed by Apple in California,  
Assembled in China Model A1387  
(1P) Part No. MD379LL/A  
 8  UPC  
**(s) Serial No. 000XXXXXXXXX0**  
IMEI/MEID 00000123456789  
  
() XXXXX00000000000000000000X

- Transfer the Picking

  
O- BTN. validate

# Manufacturing and Work Orders

A Manufacturing Order (MO) can be triggered by a route and can contain one or several Work Orders which will consume the specified materials to produce the finished goods.

Like the picking view, these views have been optimized for barcode scanning.

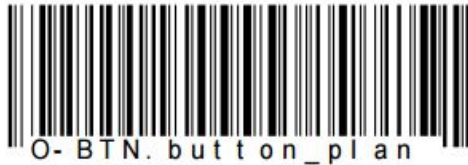
CHECK AVAILABILITY



UNRESERVE



PLAN



UNPLAN



PRODUCE



RECORD PRODUCE





Getting started

# Barcode Scanners

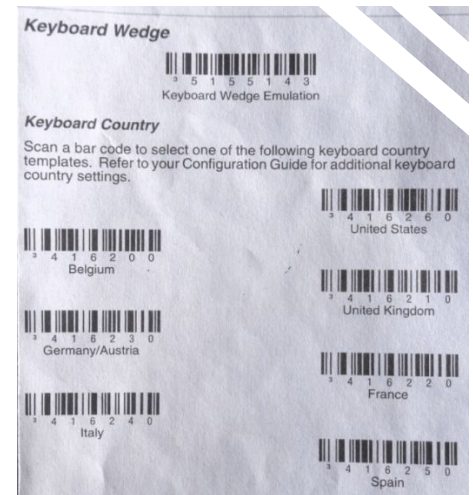
## 3 supported types

- USB scanner
- Bluetooth scanner
- Mobile computer scanner (running an embedded browser)



## Scanner Settings

- No prefix
- CR or Tab as suffix
- Delay between characters < 50ms
- Same keyboard layout as your keyboard



# Settings Checklist

- Installation of following apps:

- barcodes
- mrp\_barcode
- stock\_barcode



- Configuration of the scanner
- Configuration of the barcode nomenclatures
- Warehouse and Routes configuration
- Picking Type configuration (if the Picking Type permits to create new Serial Numbers or only select existing SN's)
- Product configuration (Barcode, Routes, SN's, BOM's)

# Enter your product barcodes easily

- Inventory › Configuration › Settings › Configure Product Barcodes  
(or through the planner)

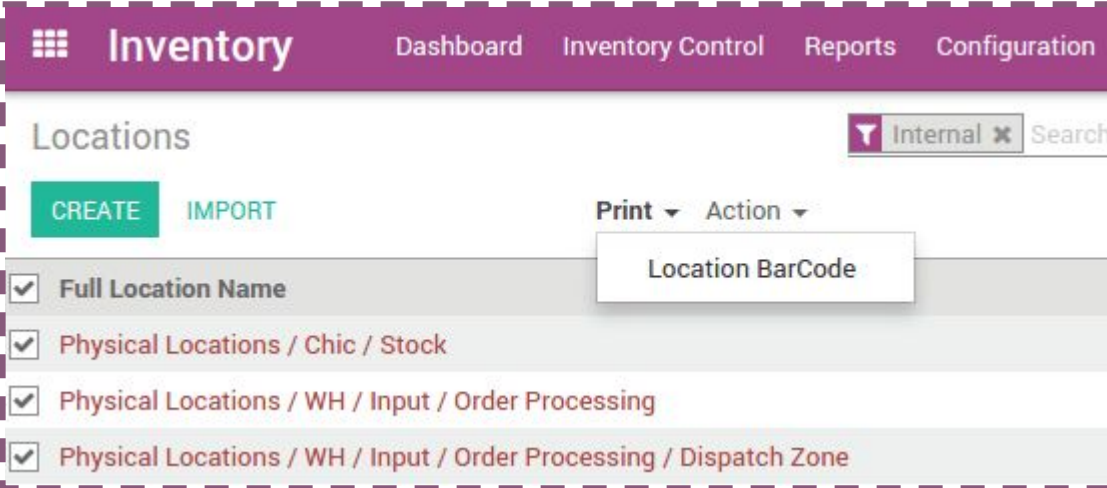


The screenshot shows a mobile application interface for managing inventory. The top navigation bar is purple with the word "Inventory" and a menu icon. Below it, the title "Product Barcodes" is displayed with a back arrow and a search icon. A pagination indicator shows "1-66 / 66" with left and right arrows. The main content is a table with three columns: "Name", "Internal Reference", and "Barcode". Each row has a checkbox on the left. The "iMac" row has an empty text input field for the barcode.

<input type="checkbox"/> Name	Internal Reference	Barcode
<input type="checkbox"/> Ice Cream	1	601647855631
<input type="checkbox"/> iMac	A1090	<input type="text"/>
<input type="checkbox"/> iPad Mini	A1232	054398267125
<input type="checkbox"/> iPad Retina Display	A2323	
<input type="checkbox"/> iPad Retina Display	A2324	
<input type="checkbox"/> iPad Retina Display	A2325	
<input type="checkbox"/> iPad	A6678	

# Set location barcodes

- Inventory › Configuration › Warehouse Management › Locations



The screenshot displays the 'Inventory' application interface. The top navigation bar includes 'Inventory', 'Dashboard', 'Inventory Control', 'Reports', and 'Configuration'. The main content area is titled 'Locations' and features a search bar with the text 'Internal' and a 'Search' button. Below the search bar are two buttons: 'CREATE' (highlighted in green) and 'IMPORT'. To the right of these buttons are 'Print' and 'Action' dropdown menus. A context menu is open over the 'Action' menu, showing the option 'Location BarCode'. Below the menu, there is a table of location entries, each with a checked checkbox and a text label:

Location Name
Full Location Name
Physical Locations / Chic / Stock
Physical Locations / WH / Input / Order Processing
Physical Locations / WH / Input / Order Processing / Dispatch Zone



# Use barcodes to control the interface

- Edit
- Validate
- Save
- Print
- Cancel
- Next/Previous Page
- ...



→ These barcodes can be accessed from the barcode app as Admin

We have created a few demo data and barcodes for you to explore the features. Print the [stock barcodes sheet](#) and [mrp barcodes sheet](#) to check out what this module can do !

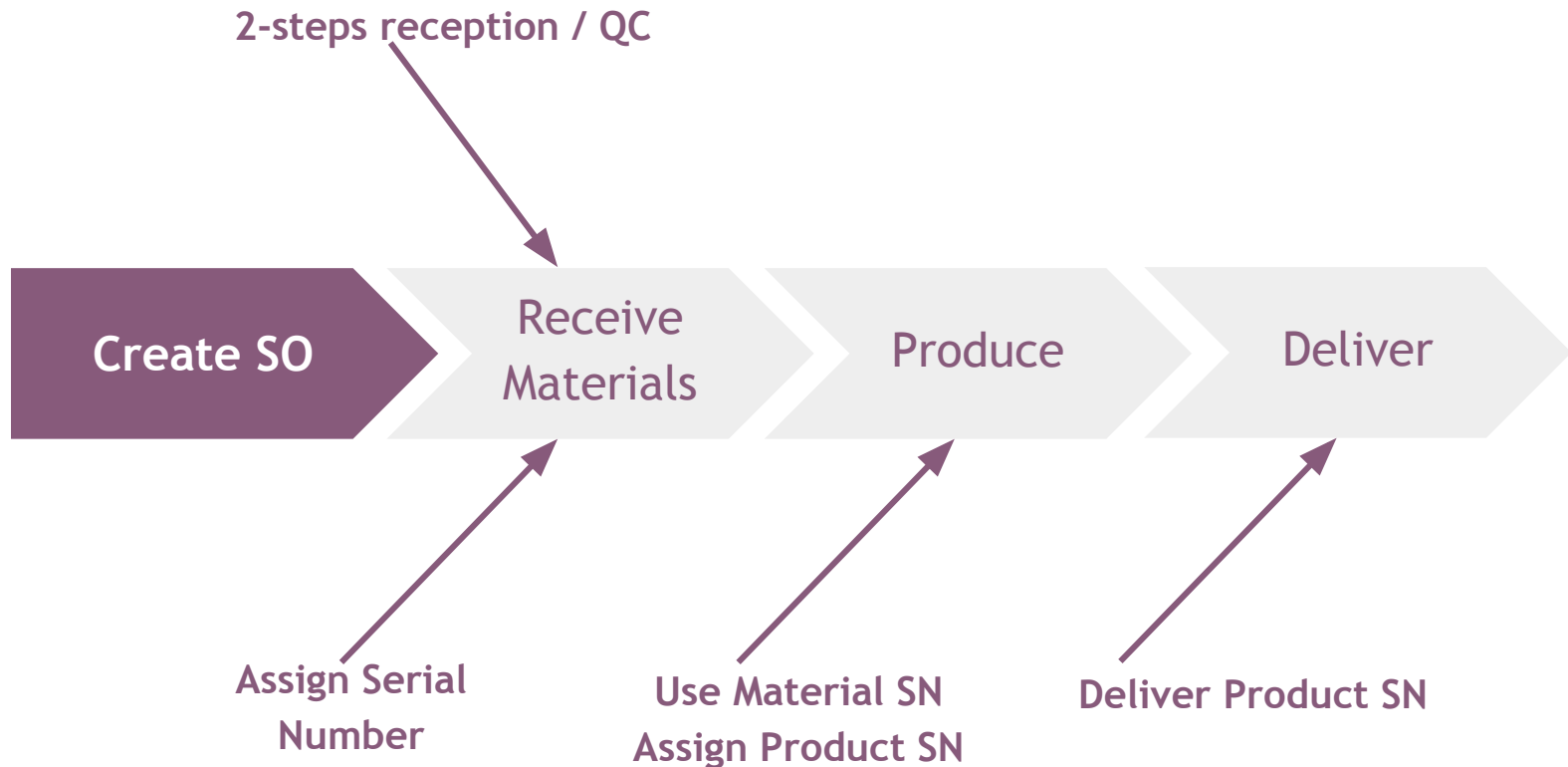




# Use Case

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A manufacturing company needs full traceability on its Make-to-Order products. The materials for these products have to go through a Quality Check.





# Conclusion

# Barcode Scanner & Odoo WMS/MRP.

- Easy to set up with standard technology
- Can be used in many different transactions
- Advanced “out-of-the-box”-flows already configured
- Flows can be easily customized with advanced routes



Productivity is being able to do things that you were never able to do before.

— Franz Kafka

Thank you.



#odooexperience