

Magespace

Magento 2

Barcode Scanner



1. INTRODUCTION

Barcode by definition is the small image of lines (bars) and spaces that is affixed to retail store items, identification cards, and postal mail to identify a particular product number, person, or location. The code uses a sequence of vertical bars and spaces to represent numbers and other symbols. Barcode is a reliable method for cutting costs and saving time for business.

Barcode management extension from Magespacex provides your business with a handful solution to generate barcode, print barcode label and scan barcode, all in one.

2. HOW IT WORKS

2.1. Barcode listing

Barcode listing is a view to display all barcodes of all products saved in Inventory Management. It contains Barcode, SKU, Supplier and Purchased Time.

From this screen, admin can easily Import barcode or Generate Barcode with 2 buttons on the top right.

The screenshot displays the 'Manage Barcodes' interface. At the top right, there are two orange buttons: 'Import Barcode' and 'Generate Barcode'. Below these, there are filters and pagination controls. The main area contains a table with 5 records. The table has columns for ID, Barcode, SKU, Supplier, Purchased Time, and Detail. The data is as follows:

ID	Barcode	SKU	Supplier	Purchased Time	Detail
1	888236571	24-MB04	unyny	Sep 14, 2016 7:15:07 AM	View
2	807660846	24-MB01	jjjj h	Sep 14, 2016 7:15:07 AM	View
3	028746115	24-MB03		Sep 14, 2016 7:15:07 AM	View
4	866727605	24-MB01	AAA	Sep 21, 2016 7:54:00 AM	View
5	852523736	24-MB04	BBB	Sep 21, 2016 7:54:00 AM	View

Admin can also view details of each product and barcode.

The screenshot displays the 'Barcode Details' page in a Magento 2 admin interface. On the left is a dark sidebar with navigation icons for Dashboard, Sales, Products, Inventory Management (highlighted), Marketing, and Stores. The main content area has a light gray header with the title 'Barcode Details' and a 'Back' link. Below the header, product details are listed: Supplier (unyny), Created Date (Sep 14, 2016 07:15:07 am), and Purchased Time (Sep 14, 2016 07:15:07 am). A section titled 'Barcode Print Configuration' with an edit icon follows. It contains a 'Select Barcode Template' dropdown menu set to 'Standard' and a 'Preview' button. Below these, three barcode previews are shown, each with the number '888236571' printed underneath.

From barcode detailed page, admin can configure barcode printing and print barcode directly. Product information is shown including Image, name, price and its availability in each warehouse.

2.2. Generate barcode

Inventory Management gives you 2 modes to generate barcode:

- One barcode per product sku
- Multiple barcode per product sku

- If you set “One barcode per product sku” as “Yes”, then the system will allow you to generate one barcode for one product sku only.

Now to generate barcode, you go to Generate Barcodes tab. From here you can select the product that you want to generate barcode, fill in the Supplier (optional) then generate.

The screenshot shows the 'Generate Barcode' page. On the left is a sidebar with navigation icons for Dashboard, Sales, Products, Inventory Management (selected), Marketing, and Stores. The main content area has a header with a 'Back' link and a 'Generate' button. Below the header is a large empty text box. Underneath is a section labeled 'Product(s)' with the instruction 'Please select the product to generate barcode' and a 'Select Products' button. Below this is a table with 4 columns: ID, SKU, Supplier, and Actions. The table contains two rows of product data. The 'Supplier' column has input fields, and the 'Actions' column has 'Remove' links.

ID	SKU	Supplier	Actions
4	24-MB05	<input type="text"/>	Remove
5	24-MB06	<input type="text"/>	Remove

- If you set “One barcode per product sku” as “No”, then it opens up 2 options to generate barcode when you go to Generate Barcodes tab.

The screenshot shows the 'Generate Barcode' page with the same sidebar. The main content area has a header with a 'Back' link and a 'Generate' button. Below the header is a large empty text box. Underneath is a section labeled 'General Information' with two radio button options: 'Generate barcode per item (each item will generate a barcode with qty = 1)' (selected) and 'Generate barcode per purchase (each product sku will generate a barcode)'. Below these options is a 'Reason' label and a text input field. At the bottom is a section labeled 'Product(s)'.

These 2 options are: *Generate barcode per item* or *Generate barcode per purchase*.

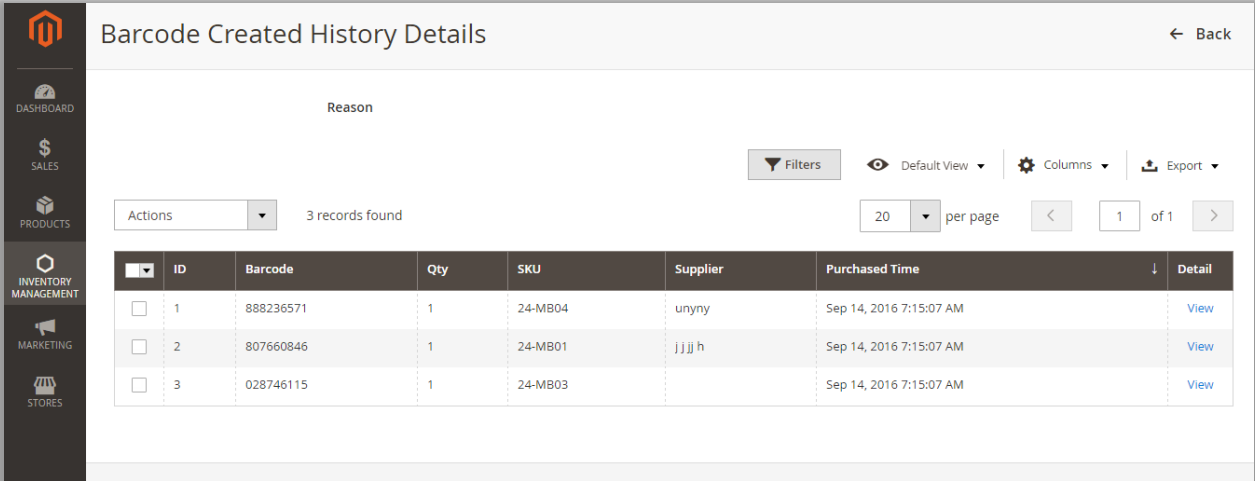
“*Generate barcode per item*” means each item will have its own identified barcode although they have the same SKU.

“*Generate barcode per purchase*” means items will be identified by the time it is purchased. Although you take 10 items with same SKU in one time purchasing from

supplier, these 10 items will have the same barcode. But in another time of purchase, they will have different barcode.

After selecting the option you want to proceed with, you can continue selecting product, fill the product Qty., supplier and purchased time (optional) then generate.

Admin can configure the barcode pattern to generate. Barcodes generated will be saved in Barcode listing page & Barcode created history.



Barcode Created History Details							Back
Reason							
Actions							3 records found
							20 per page
<input type="checkbox"/>	ID	Barcode	Qty	SKU	Supplier	Purchased Time	Detail
<input type="checkbox"/>	1	888236571	1	24-MB04	unyny	Sep 14, 2016 7:15:07 AM	View
<input type="checkbox"/>	2	807660846	1	24-MB01	j j j j h	Sep 14, 2016 7:15:07 AM	View
<input type="checkbox"/>	3	028746115	1	24-MB03		Sep 14, 2016 7:15:07 AM	View

2.3. Import barcode

When your products already have a pre-generated barcode, you will not need to use Generate barcode feature. Instead, you can import barcode directly into the system using Import barcode feature of Inventory Management.

The system provides a sample import file including SKU, Barcode, Qty. and Supplier & Purchase time (optional).

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	SKU	BARCODE	QTY	SUPPLIER	PURCHASE_TIME										
2	24-MB01	123678	1												
3	24-MB04	978494	1												
4	24-MB03	AB6849	1												
5															
6															
7															
8															
9															
10															
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22															
23															

After preparing the file, now you can upload the file, fill the reason and start to Import.

2.4. Barcode template

You can create your own barcode template by adding new template. There are also 3 most used templates as default templates in the extension: A4, jewelry and standard for you to select.

ID	Name	Type	Status	Edit
1	Standard	Standard	Active	Edit
2	A4	A4	Active	Edit
3	Jewelry	Jewelry	Active	Edit
4	Standard	Standard	Active	Edit
5	A4	A4	Active	Edit
6	Jewelry	Jewelry	Active	Edit

You can configure paper width and height, label width and height, font size...and preview the template before saving.

Add a New Barcode Template

Barcode symbology * Code-128

Measurement unit * mm

Label per row * 1
Only use one label per row for jewelry template

Paper width * 88

Paper height * 15

Label width * 25

Label height * 11

Font size * 24

Back Save

2.5. Print barcode

In Barcode configuration, admin can select the barcode template from the templates created before to print.

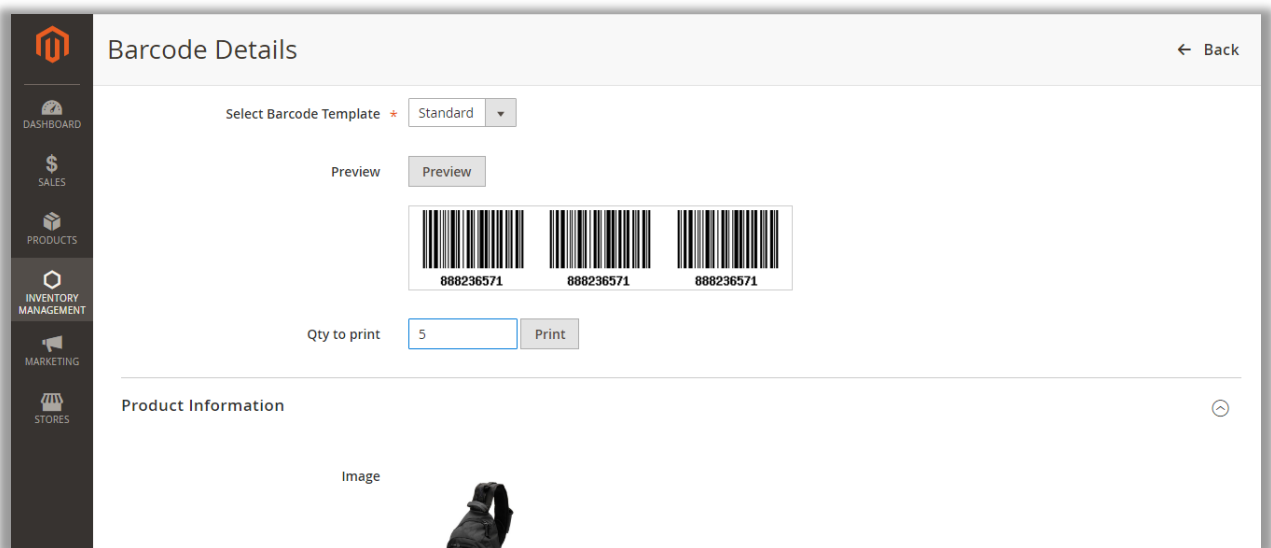
Barcode Printing Configuration

8 records found (8 selected)

20 per page 1 of 1

<input checked="" type="checkbox"/>	ID	Barcode	Print Qty	SKU	Supplier	Purchased Time	Detail
<input checked="" type="checkbox"/>	1	888236571	1	24-MB04	unyny	Sep 14, 2016 7:15:07 AM	View
<input checked="" type="checkbox"/>	2	807660846	1	24-MB01	jjjj h	Sep 14, 2016 7:15:07 AM	View
<input checked="" type="checkbox"/>	3	028746115	1	24-MB03		Sep 14, 2016 7:15:07 AM	View
<input checked="" type="checkbox"/>	4	866727605	1	24-MB01	AAA	Sep 21, 2016 7:54:00 AM	View
<input checked="" type="checkbox"/>	5	852523736	1	24-MB04	BBB	Sep 21, 2016 7:54:00 AM	View
<input checked="" type="checkbox"/>	6	BARBRQEC38V0J	1	24-MB01		Sep 21, 2016 9:11:23 AM	View
<input checked="" type="checkbox"/>	7	BAROFAS02P2YO	1	24-MB04		Sep 21, 2016 9:11:23 AM	View
<input checked="" type="checkbox"/>	8	BARTCUCGWY8H5	1	24-MB03		Sep 21, 2016 9:11:23 AM	View

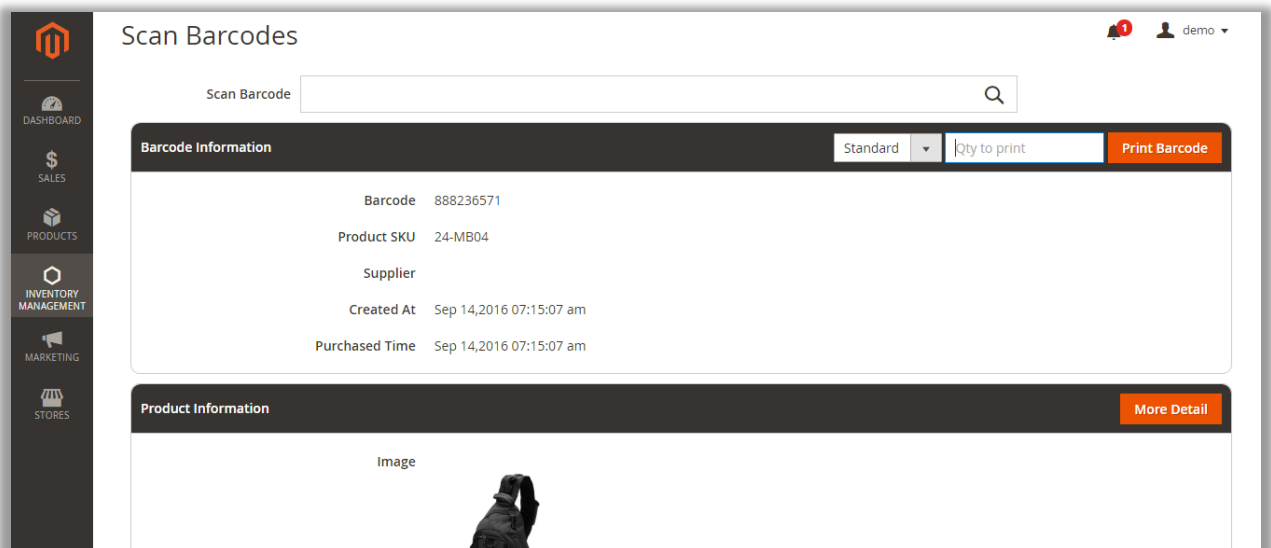
Admin can select multiple barcodes to print at once. Or click to View under Details column to print one barcode multiple times.



2.6. Scan barcode

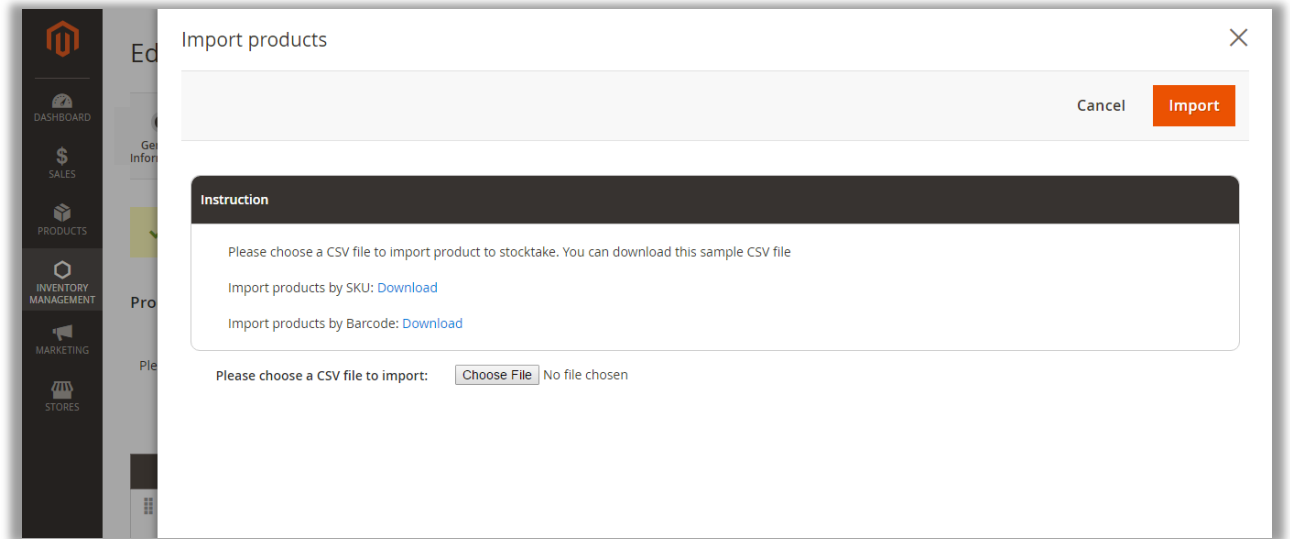
In Inventory Management extension, you need to use a Barcode scanner which is able to connect with your computer. Then you can scan to read product information or update stock Qty. when doing Stock taking (Stock taking is a feature available in Inventory Management extension).

- When going to Scan Barcode, you can read barcode information and product information.



- In Stock-taking, there are 5 steps: 1- General information, 2-Prepare product, 3-Stock take, 4-Complete data entry, 5-Complete Stock take. Scanning can be applied at step 2: Prepare product before Stock take. From this step, there is an option to import products

and sample files are provided. You can use a barcode scanner to scan product with Qty. into an Excel /CSV file. Then upload the file with Qty. counted by barcode scanner into the system to update Stock take Qty. About detailed steps of Physical Stock taking, please refer to Inventory Management user guide.



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