

# PRODUCT MATRIX FOR MAGENTO 2 - USER GUIDE

	MATRIX				
PRODUCT					

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## Overview

Zestard Product Matrix for Magento 2, provides better user experience to Wholesale customers. This extension is especially useful for wholesalers and B2B (Business To Business). It allows ordering multiple quantities of products at once in bulk.

For the product having multiple options and variants, it displays product matrix on the product page in such a way that it becomes very easy to order multiple quantities of a product with different variants.

The default Magento product swatch layout remains as it is and our extension displays matrix into the tabs according to the variants in an organized way such that customers can easily compare price and quantity of different variants.

For Eg - If a Merchant wants to sell his/her products in retail as well as wholesale market, Product Matrix helps and displays matrix tab in such a way that customer can purchase single and bulk quantity as per their need. The matrix helps the customer to check the products variants and price for better purchase experience.

Product Matrix easily manage a tab of simple and multiple for customers to check for all the variants easily. It also displays Price & Quantity column according to the settings made at the backend.

## Main Features

- Store admin can enable the matrix to be displayed on the specific products at front.
- Product Matrix extension is compatible with Swatches configurable layout and Normal dropdown configurable layout.
- Our extension provides 2 tabs :
  - Single Order - Which works normally as provided in the default system.
  - Multiple Order - In which customer can place an order with bulk quantity.
- When the customer choose Multiple Order tab, then the extension will hide the original price and quantity field in the product page and show the quantity box and price in the matrix so that customer does not get confused and can get the calculation at the matrix only.
- In the Multiple Order Tab, if matrix has 0 grand total or no one has added the quantity in any QTY box then default “Add To Cart” button becomes disabled, once the customer add quantity then the “Add to cart” button is enabled.
- Store admin has rights to fully customize the layout as they want like show/hide stock, price, total price column, total quantity column, and tier price in tooltip.
- Admin has the ability to select whether to show the default tab or multiple tab whenever the product page is loaded.
- If the Merchant does not manage the stock of some products, then he/she can set the number of qty to be ordered maximum by customer at “Set Max Qty Allowed” from General Settings.

- The Matrix shows validation according to the maximum qty set for a specific product so that customers will not be able to add quantity more than max quantity.
- Same as if the admin has set minimum quantity for a specific product then matrix shows minimum enter qty error for customers to add minimum quantity for placing an order.
- If the product has a special price then the matrix will be showing the special price instead of the original price.
- Customers can put the value in Float numbers like 1.5, 2.6 in qty box if any particular product has allowed floating quantity to be ordered.
- If Merchant has set floating value in price then our extension will show the price calculation accordingly.
- If any product has tier price and Admin can enable the option for showing the “Tier Price” and it will be displayed as tooltip in the matrix.

**Reasons to choose Zestard’s Product Matrix?**

<b>Flexible settings</b>	<b>Wide range of layouts for showing matrix</b>	<b>Ability to set minimum &amp; maximum qty Validation</b>
<b>Show Price &amp; Quantity row and column wise</b>	<b>Validation for Out of Stock Products</b>	<b>Validation for not available products</b>
<b>Validation for quantity entered by customer</b>	<b>Easy to order quantity in bulk.</b>	<b>Manage both retail and wholesale customers</b>
<b>Allows decimal quantity while ordering</b>	<b>Ability to set decimal price and shows calculation accordingly</b>	<b>Great Support</b>

## Installation Guide

Once you have purchased & downloaded our extension follow below steps to Install the extension. The easiest way to install a Magento 2 extension is using SFTP or FTP. To do this, first download our Product Matrix module and follow below steps.

### In short, for Professionals or Techie Person

1. Unzip the extension.
2. Login to your root directory via FTP or SFTP.
3. Go to your remote directory app/code/
4. Create folder Zestardtech and under that create subdirectory Productmatrix.
5. Now upload all the unzipped code into Productmatrix folder.
6. Then open your SSH or Terminal.
7. Go to your root folder and RUN below 4 commands step by step:
  - php bin/magento setup:upgrade
  - php bin/magento setup:di:compile
  - php bin/magento setup:static-content:deploy -f
  - php bin/magento cache:clean
8. If you didn't get any error during the commands execution process then our extension is successfully installed in your store.

**To Note:** If you face any error during this process then please either share the screenshots or share credentials of your store at our email id **support@zestard.com** and will help you install the extension properly.

## Detailed Installation Instructions

### Step 1: Connect to FTP and upload the unzip folder.

- Connect to your site using FTP or SFTP. Go to your remote directory app/code/
- Create folder Zestardtech and under that create subdirectory Productmatrix. Now upload all the unzipped code into this folder.

### Step 2: Run Commands

- Open your SSH or Terminal.
- Go to your root folder and RUN below 4 commands step by step:
  - php bin/magento setup:upgrade

```
[root@103 magento221]# php bin/magento setup:upgrade
Cache cleared successfully
File system cleanup:
/home/idoideo/public_html/magento221/generated/code/Composer
/home/idoideo/public_html/magento221/generated/code/Magento
/home/idoideo/public_html/magento221/generated/code/Shopial
/home/idoideo/public_html/magento221/generated/code/Symfony
/home/idoideo/public_html/magento221/generated/code/Zestardtech
/home/idoideo/public_html/magento221/generated/metadatas/adminhtml.php
/home/idoideo/public_html/magento221/generated/metadatas/crontab.php
/home/idoideo/public_html/magento221/generated/metadatas/frontend.php
/home/idoideo/public_html/magento221/generated/metadatas/global.php
/home/idoideo/public_html/magento221/generated/metadatas/webapi_rest.php
/home/idoideo/public_html/magento221/generated/metadatas/webapi_soap.php
/home/idoideo/public_html/magento221/pub/static/adminhtml
/home/idoideo/public_html/magento221/pub/static/deploym_version.txt
/home/idoideo/public_html/magento221/pub/static/frontend
/home/idoideo/public_html/magento221/var/view_preprocessed/pub
```

- php bin/magento setup:di:compile

```
[root@103 magento212]# php bin/magento setup:di:compile
Compilation was started.
```

- php bin/magento setup:static-content:deploy -f

```
[root@103 magento221]# php bin/magento setup:static-content:deploy -f
Deploy using quick strategy
frontend/Magento/blank/en_US 500/2088 =====>----- 23% % 3 secs
█
```

- php bin/magento cache:clean

```
[root@103 magento221]# php bin/magento cache:clean
Cleaned cache types:
config
layout
block_html
collections
reflection
db_ddl
eav
customer_notification
full_page
config_integration
config_integration_api
translate
config_webservice
```

- If you didn't get any error during the commands execution process then our extension is successfully installed in your store.

### Step 3 : To confirm Installation and activation.

- To complete the installation you need to log out of your Magento Admin and login back.
- Open your SSH or Terminal and run this command **php bin/magento module:status Zestardtech\_Productmatrix** and if you get Output as **Module is enabled** then our extension is installed properly in your store.

**To Note:** If you face any error during this process then please either share the screenshots or share credentials of your store at our email id **support@zestard.com** and will help you install the extension properly.



## User Guide

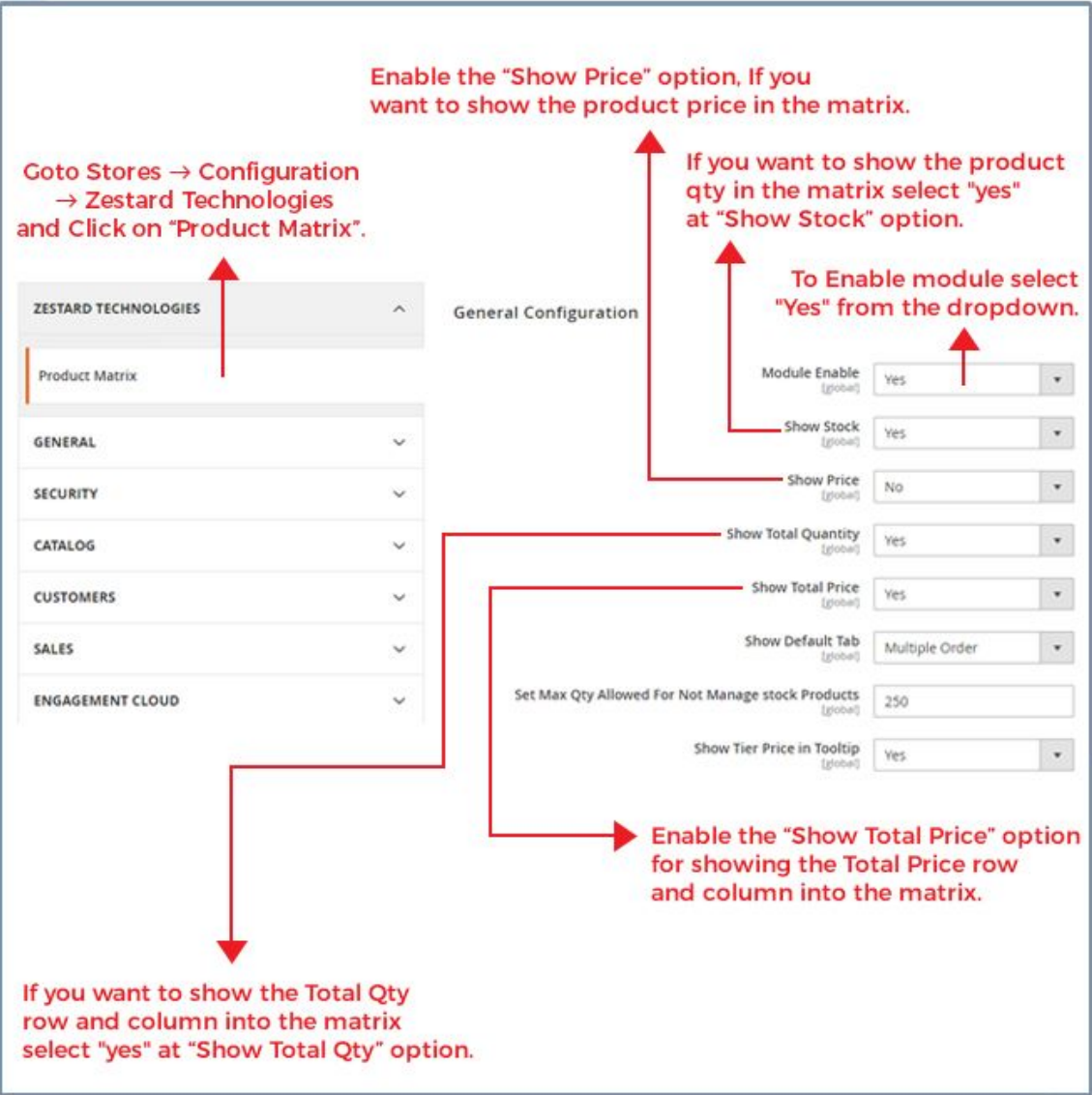
### How to Configure Product Matrix Extension?

After installing the extension follow the below-mentioned steps to configure Product Matrix based on your requirements.

1. Go to Main Navigation → Store → Configuration → Zestard Technologies.

Click on “Product Matrix”.

- To Enable module select "Yes" from the dropdown.
- If you want to show the product qty in the matrix select "yes" at “Show Stock” option.
- Enable the “Show Price” option, If you want to show the product price in the matrix.
- If you want to show the Total Qty row and column into the matrix select "yes" at “Show Total Qty” option.
- Enable the “Show Total Price” option for showing the Total Price row and column into the matrix.



**Enable the "Show Price" option, If you want to show the product price in the matrix.**

**Goto Stores → Configuration → Zestard Technologies and Click on "Product Matrix".**

**If you want to show the product qty in the matrix select "yes" at "Show Stock" option.**

**To Enable module select "Yes" from the dropdown.**

**Enable the "Show Total Price" option for showing the Total Price row and column into the matrix.**

**If you want to show the Total Qty row and column into the matrix select "yes" at "Show Total Qty" option.**

The screenshot shows the 'General Configuration' page for 'Product Matrix'. The left sidebar contains a dropdown menu with 'ZESTARD TECHNOLOGIES' selected, and a list of configuration categories: GENERAL, SECURITY, CATALOG, CUSTOMERS, SALES, and ENGAGEMENT CLOUD. The main content area has several settings:

- Module Enable (global): Yes
- Show Stock (global): Yes
- Show Price (global): No
- Show Total Quantity (global): Yes
- Show Total Price (global): Yes
- Show Default Tab (global): Multiple Order
- Set Max Qty Allowed For Not Manage stock Products (global): 250
- Show Tier Price in Tooltip (global): Yes

- You can choose the default tab as "Multiple Order" if you want to show bulk order whenever the page loads. For the default tab, you can choose "Single Order" option from here.
- In this field you need to enter the decimal number of qty for those products in which the stock are not managed.
- Select "Yes" to show the Tier Price at the matrix of specific product Note: This will only display the tier price and it will not reflect on the calculation.

The screenshot shows the 'General Configuration' page for 'Product Matrix'. On the left is a sidebar with a menu containing 'GENERAL', 'SECURITY', 'CATALOG', 'CUSTOMERS', 'SALES', and 'ENGAGEMENT CLOUD'. The main area contains several configuration options:

- Module Enable [global]: Yes
- Show Stock [global]: Yes
- Show Price [global]: No
- Show Total Quantity [global]: Yes
- Show Total Price [global]: Yes
- Show Default Tab [global]: Multiple Order
- Set Max Qty Allowed For Not Manage stock Products [global]: 250
- Show Tier Price in Tooltip [global]: Yes

Red arrows and text boxes provide instructions:

- An arrow points from the 'Show Default Tab' dropdown to a text box: "You can choose the default tab as 'Multiple Order' if you want to show bulk order whenever the page loads. For the default tab, you can choose 'Single Order' option from here."
- An arrow points from the 'Set Max Qty Allowed For Not Manage stock Products' input field to a text box: "In this field you need to enter the decimal number of qty for those products in which the stock are not managed."
- An arrow points from the 'Show Tier Price in Tooltip' dropdown to a text box: "Select 'Yes' to show the tier price at the matrix of specific product. Note: This will only display the tier price and it will not reflect on the calculation."

2. Goto Catalog → Products → Open any Configurable Product on which you want to show the Product Matrix.

- Select "Yes" to enable the Product Matrix for a specific product and it will show Matrix on that product page.

Note: This matrix only works with the two variants and not for the single or more than two variants.

**Goto Catalog → Products → Open any Configurable Product on which you want to show the Product Matrix**

**Select "Yes" to enable the Product Matrix for a specific product and it will show Matrix on that product page.**

Sale  Yes  
[global]

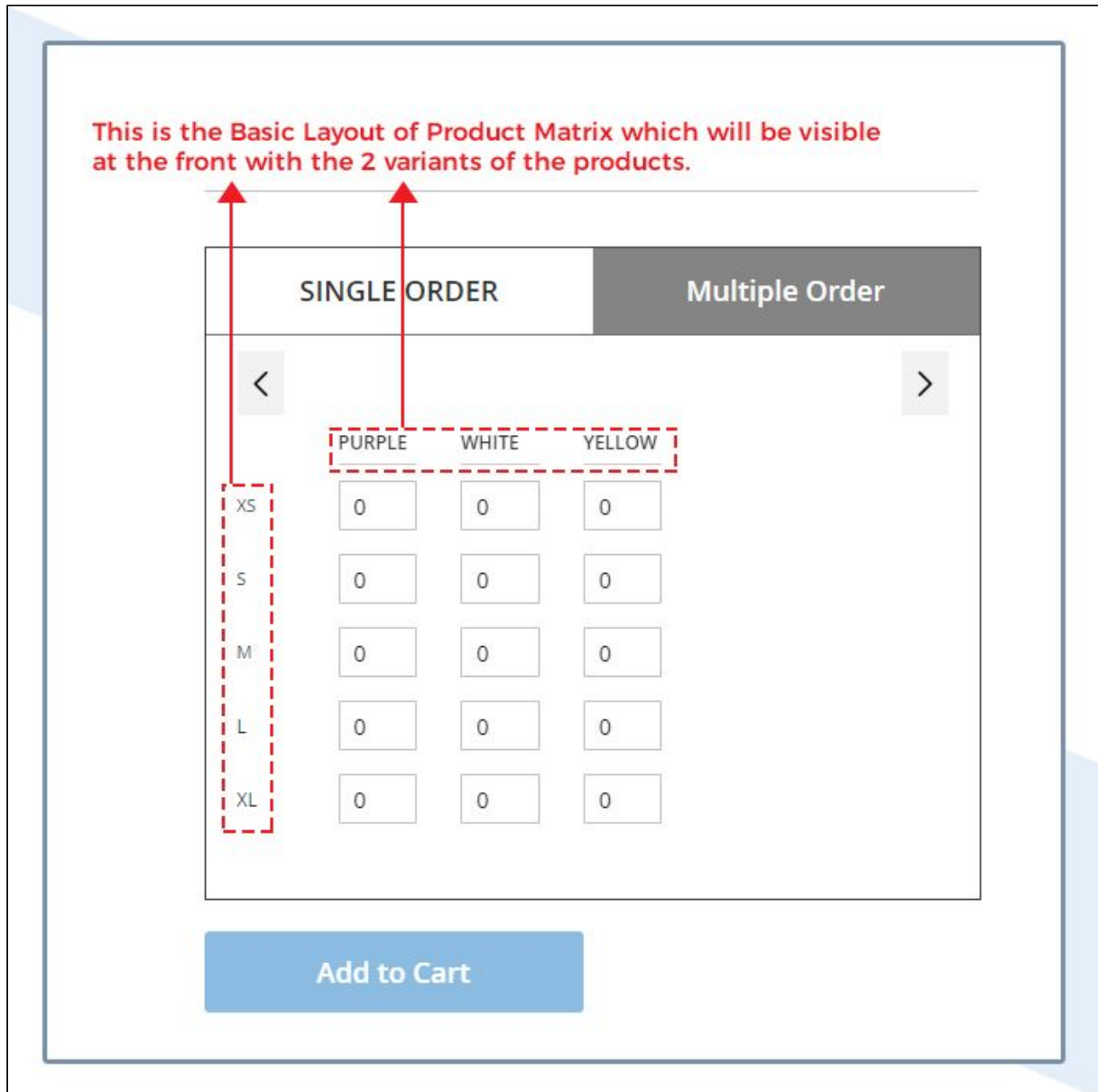
Featured \*  No  
[global]

Shipping Rate   
[global]

Enable Product Matrix    
[global]

**Note: This matrix only works with the two variants and not for the single or more than two variants.**

3. This is the Basic Layout of Product Matrix which will be visible at the front with the 2 variants of the products.



4. This Layout shows stock with Total Qty calculation in row & column.

The screenshot displays a product matrix interface with the following structure:

SINGLE ORDER		Multiple Order			
	PURPLE	WHITE	YELLOW	T.QTY	
XS	0 100	0 100	0 100	0	
S	0 100	0 100	0 100	0	
M	0 100	0 100	0 100	0	
L	0 100	0 100	0 100	0	
XL	0 100	0 100	0 100	0	
T.Qty	0	0	0	0	

**Add to Cart**

This Layout shows stock with Total Qty calculation in row & column.

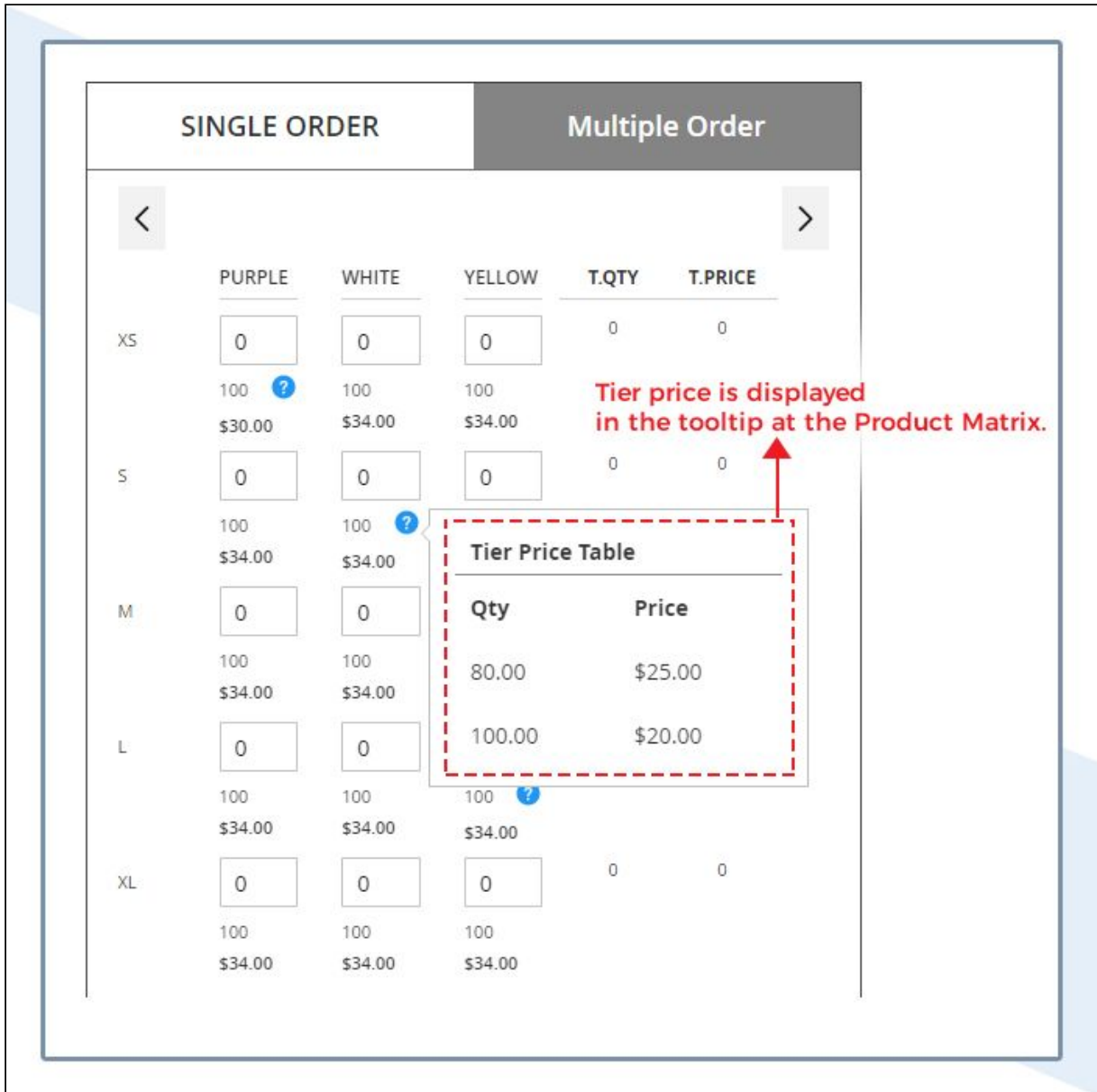
5. This Layout shows Total Price calculation for particular row & column.

The screenshot displays a product matrix interface with two tabs: "SINGLE ORDER" and "Multiple Order". The "Multiple Order" tab is active. The interface shows a table with columns for color (PURPLE, WHITE, YELLOW), quantity (T.QTY), and total price (T.PRICE). The table is organized as follows:

	PURPLE	WHITE	YELLOW	T.QTY	T.PRICE
XS	0	0	0	0	0
	100	100	100		
	\$30.00	\$34.00	\$34.00		
S	0	0	0	0	0
	100	100	100		
	\$34.00	\$34.00	\$34.00		
M	0	0	0	0	0
	100	100	100		
	\$34.00	\$34.00	\$34.00		
L	0	0	0	0	0
	100	100	100		
	\$34.00	\$34.00	\$34.00		
XL	0	0	0	0	0
	100	100	100		
	\$34.00	\$34.00	\$34.00		
T.Qty	0	0	0	0	0
T.Price	0	0	0	0	0

A red dashed box highlights the T.PRICE column and a row. An arrow points from this box to a text box that says "This Layout shows Total Price calculation for particular row & column." Below the table is an "Add to Cart" button.

6. Tier price is displayed in the tooltip at the Product Matrix.



The screenshot shows a product matrix interface with two tabs: "SINGLE ORDER" and "Multiple Order". The "Multiple Order" tab is active. The matrix displays columns for colors (PURPLE, WHITE, YELLOW), sizes (XS, S, M, L, XL), and summary columns (T.QTY, T.PRICE). Each cell contains a quantity input field (0), a quantity limit (100), and a price (\$30.00, \$34.00, or \$34.00). A tooltip titled "Tier Price Table" is displayed over the M size, WHITE color cell, showing a table with two rows of quantity and price data.

Tier Price Table	
Qty	Price
80.00	\$25.00
100.00	\$20.00

Tier price is displayed in the tooltip at the Product Matrix.



- 7. This is how the validation works if you have set the maximum quantity for that particular product so the customer cannot enter a value that exceeds the maximum quantity set.

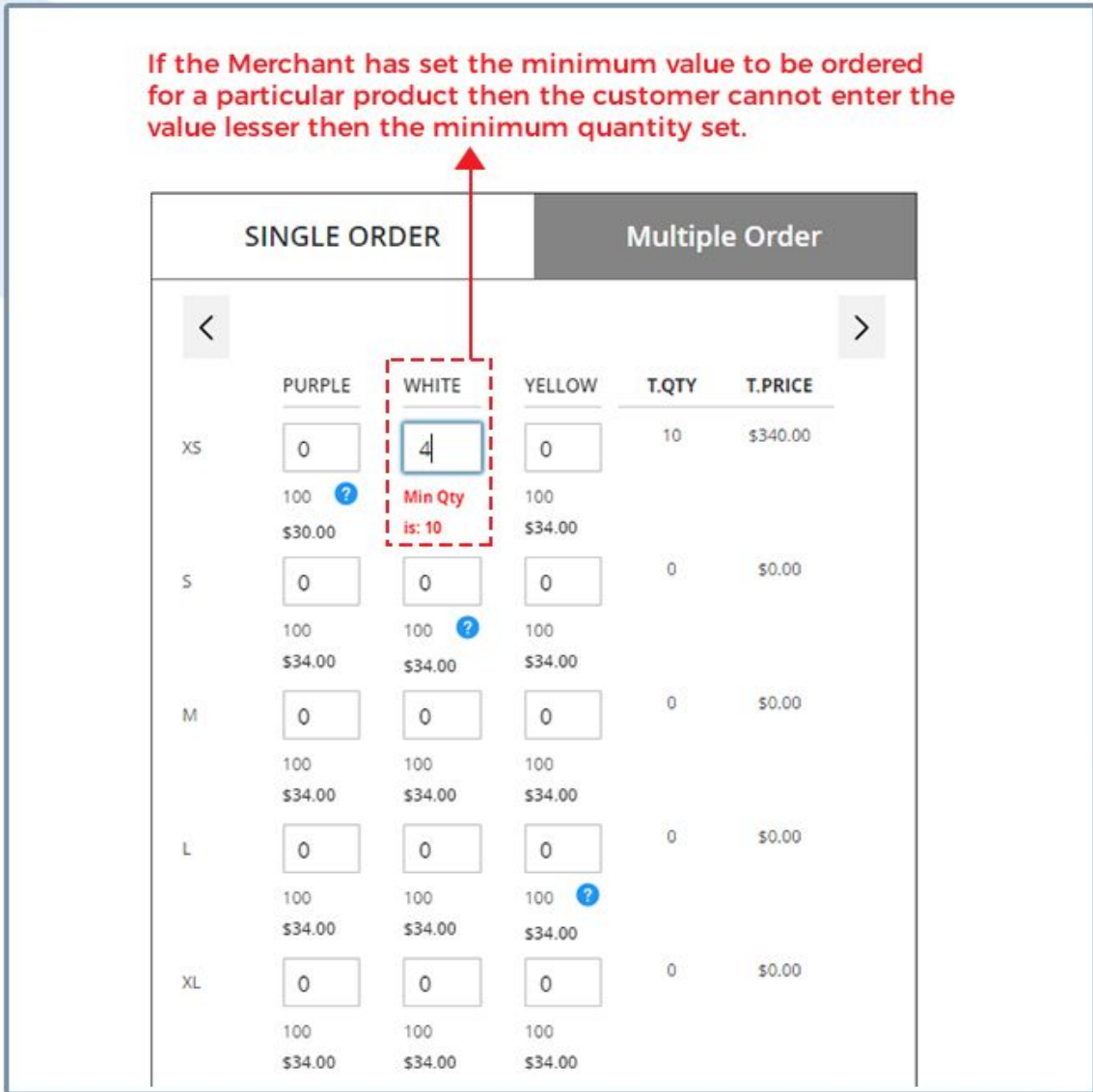
**This is how the validation works if you have set the maximum quantity for that particular product so the customer cannot enter the value that exceeds the maximum quantity set.**

The screenshot shows a product matrix with two tabs: 'SINGLE ORDER' and 'Multiple Order'. The 'SINGLE ORDER' tab is active. The matrix has columns for 'PURPLE', 'WHITE', and 'YELLOW', and rows for sizes 'XS', 'S', 'M', 'L', and 'XL'. The 'T.QTY' and 'T.PRICE' columns are on the right. A red dashed box highlights the 'PURPLE' column for the 'XS' size, where the quantity '650' is entered. A red arrow points from the text above to this box. Below the input field, a red message says 'Max Qty is: 100 ?'. The 'T.QTY' for 'XS' is 100 and the 'T.PRICE' is \$3,000.00. Other sizes have a quantity of 0 and a price of \$0.00. The 'T.QTY' for 'S', 'M', and 'L' is 0, and for 'XL' is 0. The 'T.PRICE' for 'S', 'M', and 'L' is \$0.00, and for 'XL' is \$0.00. The 'T.QTY' for 'S', 'M', and 'L' is 100, and for 'XL' is 100. The 'T.PRICE' for 'S', 'M', and 'L' is \$34.00, and for 'XL' is \$34.00.

	PURPLE	WHITE	YELLOW	T.QTY	T.PRICE
XS	650 Max Qty is: 100 ?	0	0	100	\$3,000.00
S	0	0	0	0	\$0.00
M	0	0	0	0	\$0.00
L	0	0	0	0	\$0.00
XL	0	0	0	0	\$0.00

- 8. Same as maximum quantity if the Merchant has set the minimum value to be ordered for that product so the customer cannot enter the value that lesser then the minimum quantity set.

**If the Merchant has set the minimum value to be ordered for a particular product then the customer cannot enter the value lesser then the minimum quantity set.**



	PURPLE	WHITE	YELLOW	T.QTY	T.PRICE
XS	<input type="text" value="0"/> 100 ? \$30.00	<input type="text" value="4"/> <b>Min Qty is: 10</b> 100 \$34.00	<input type="text" value="0"/> 100 \$34.00	10	\$340.00
S	<input type="text" value="0"/> 100 ? \$34.00	<input type="text" value="0"/> 100 ? \$34.00	<input type="text" value="0"/> 100 \$34.00	0	\$0.00
M	<input type="text" value="0"/> 100 \$34.00	<input type="text" value="0"/> 100 \$34.00	<input type="text" value="0"/> 100 \$34.00	0	\$0.00
L	<input type="text" value="0"/> 100 \$34.00	<input type="text" value="0"/> 100 \$34.00	<input type="text" value="0"/> 100 ? \$34.00	0	\$0.00
XL	<input type="text" value="0"/> 100 \$34.00	<input type="text" value="0"/> 100 \$34.00	<input type="text" value="0"/> 100 \$34.00	0	\$0.00

9. If the product is not in stock then the matrix will show message as "Out of stock" so the customer cannot order for that product.

**If the product is not in stock then the matrix will show message as "Out of stock" so the customer cannot order for that product.**

	SINGLE ORDER	Multiple Order
	<input type="text" value="0"/>	<input type="text" value="0"/>
	100 <span>?</span>	100
	\$30.00	\$34.00
XS	<input type="text" value="0"/>	<input type="text" value="0"/>
	100	100
	\$34.00	\$34.00
S	<input type="text" value="0"/>	<input type="text" value="0"/>
	100	100 <span>?</span>
	\$34.00	\$34.00
M	<input type="text" value="0"/>	<input type="text" value="0"/>
	100	100
	\$34.00	\$34.00
L	<input type="text" value="0"/>	<input type="text" value="0"/>
	100	100 <span>?</span>
	\$34.00	\$34.00
XL	<input type="text" value="0"/>	<input type="text" value="0"/>
	100	100
	\$34.00	\$34.00




The image shows a product matrix interface with two tabs: "SINGLE ORDER" and "Multiple Order". The matrix displays product variants (XS, S, M, L, XL) across three colors (PURPLE, WHITE, YELLOW). Each variant has a quantity input field (set to 0), a stock status indicator (100 or 100 with a question mark), and a total price (\$30.00 or \$34.00). A red dashed box highlights the "out of stock" message for the M size in the WHITE color, with a red arrow pointing to the text above the matrix.

10. If the particular product is not available in size or color then the matrix will show the message as "#N/A".

**If the particular product is not available in size or color then the matrix will show the message as "#N/A"**

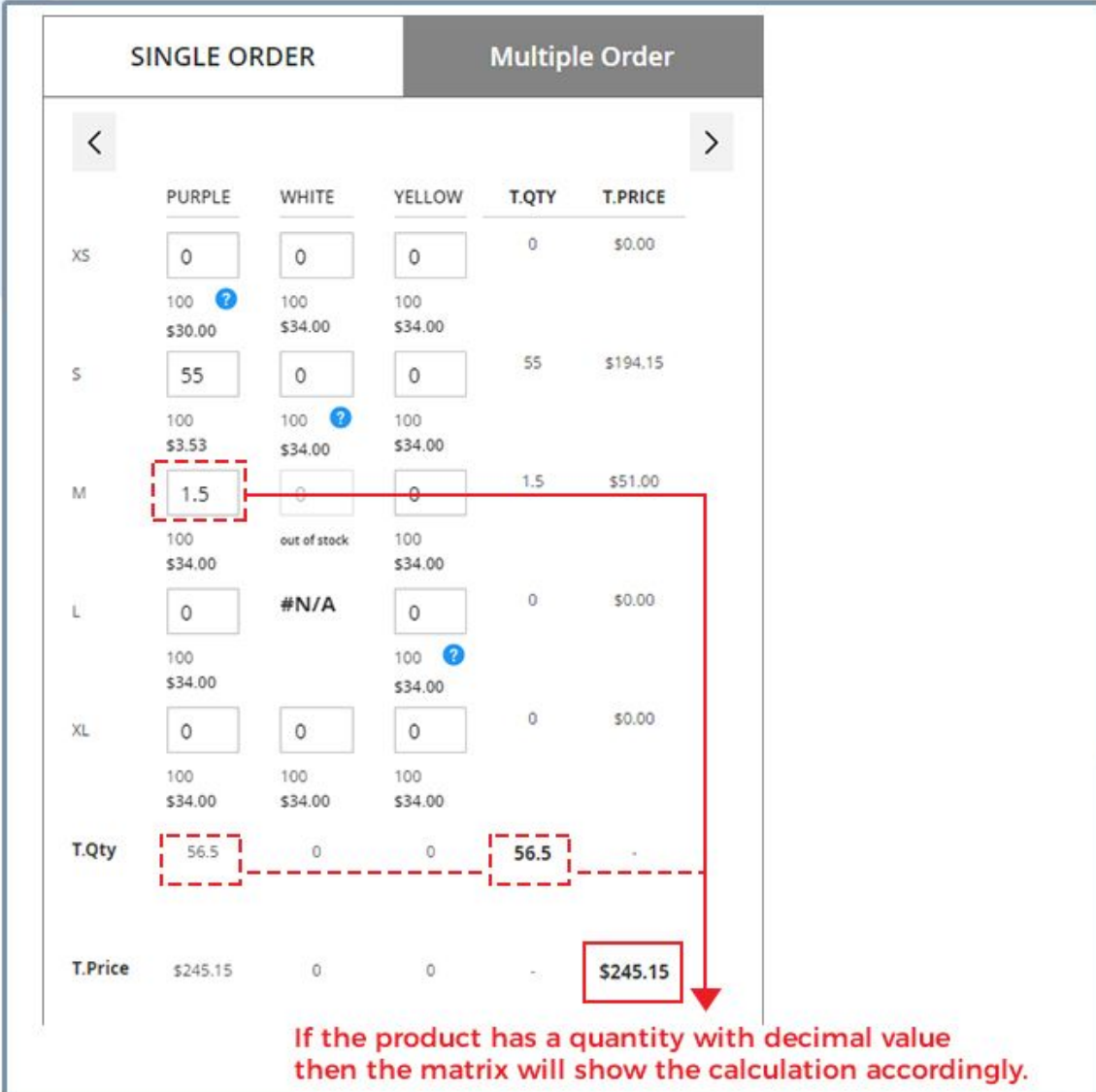
	PURPLE	WHITE	YELLOW	T.QTY	T.PRICE
XS	0 100 ? \$30.00	0 100 \$34.00	0 100 \$34.00	0	0
S	0 100 \$34.00	0 100 ? \$34.00	0 100 \$34.00	0	0
M	0 100 \$34.00	0 out of stock	0 100 \$34.00	0	0
L	0 100 \$34.00	#N/A	0 100 ? \$34.00	0	0
XL	0 100 \$34.00	0 100 \$34.00	0 100 \$34.00	0	0

11. If the product has a price with decimal value then the matrix will show the calculation accordingly.

SINGLE ORDER		Multiple Order			
	PURPLE	WHITE	YELLOW	T.QTY	T.PRICE
XS	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	0	\$0.00
	100 	100	100		
	\$30.00	\$34.00	\$34.00		
S	<input type="text" value="55"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	55	\$194.15
	100	100 	100		
	\$3.53	\$34.00	\$34.00		
M	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	0	\$0.00
	100	out of stock	100		
	\$34.00		\$34.00		
L	<input type="text" value="0"/>	#N/A	<input type="text" value="0"/>	0	\$0.00
	100		100 		
	\$34.00		\$34.00		
XL	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	0	\$0.00
	100	100	100		
	\$34.00	\$34.00	\$34.00		
T.Qty	55	0	0	55	-
T.Price	\$194.15	0	0	-	\$194.15

If the product has price with decimal value then the matrix will show the calculation accordingly.

12. If the product has a quantity with decimal value then the matrix will show the calculation accordingly.



The screenshot shows a product matrix with two tabs: 'SINGLE ORDER' and 'Multiple Order'. The matrix displays quantities and prices for different sizes (XS, S, M, L, XL) across three colors (PURPLE, WHITE, YELLOW). A red dashed box highlights the quantity '1.5' in the M size row for the PURPLE color. A red arrow points from this value to the 'T.QTY' column, which shows '56.5'. Another red arrow points from the 'T.QTY' value to the 'T.PRICE' column, which shows '\$245.15'. A red text box at the bottom of the matrix reads: "If the product has a quantity with decimal value then the matrix will show the calculation accordingly."

	PURPLE	WHITE	YELLOW	T.QTY	T.PRICE
XS	0	0	0	0	\$0.00
	100 ? \$30.00	100 \$34.00	100 \$34.00		
S	55	0	0	55	\$194.15
	100 \$3.53	100 ? \$34.00	100 \$34.00		
M	1.5	0	0	1.5	\$51.00
	100 \$34.00	out of stock	100 \$34.00		
L	0	#N/A	0	0	\$0.00
	100 \$34.00		100 ? \$34.00		
XL	0	0	0	0	\$0.00
	100 \$34.00	100 \$34.00	100 \$34.00		
T.Qty	56.5	0	0	56.5	
T.Price	\$245.15	0	0		\$245.15

## Get Support From Our Team



We are here to help you out if you are facing any issues after installing the extension. Drop us an email at **[support@zestard.com](mailto:support@zestard.com)** and will get back to you.