

XCHANGE

XCHANGE MARKET CORP. MAGENTO INTEGRATION OCTOBER 1, 2018

XCHANGE Magento 2 Integration Outline

XCHANGE Magento 2.x.x Extension v1.0.0 Installation Instructions and Technical Details

1. Unzip the contents of the XCHANGE_Magento2xx_v100.zip package.
2. Copy the XCHANGE folder to the app/code/ folder in under your Magento 2.x.x root.
3. Enter the following at the command line. You will have to SSH into your Magento 2 root folder and gain access to Terminal before proceeding.

[php bin/magento setup:upgrade](#)

[php bin/magento setup:di:compile](#)

[php bin/magento setup:static-content:deploy](#)

[php bin/magento cache:clean](#)

[php bin/magento cache:flush](#)

Remember to also clear your caches.

4. You will find the Extension Config by going to Stores -> Settings/Configuration -> XCHANGE MARKET API -> config

The screenshot shows the Magento 2 Configuration page for the XCHANGE MARKET API extension. The left sidebar contains a menu with options: GENERAL, CATALOG, CUSTOMERS, SALES, XCHANGE MARKET API, SERVICES, and ADVANCED. The XCHANGE MARKET API section is expanded, showing a 'config' option. The main content area is titled 'Configuration' and includes a 'Save Config' button. The configuration fields are organized into sections: Interface, Reseller Settings, and Reseller Credentials. The Interface section includes fields for 'SendBaseUrl' and 'ProductionURL'. The Reseller Settings section includes fields for 'Reseller ID', 'Reseller IDP', 'PO # prefix', 'Admin Email', 'Mode' (set to SANDBOX), 'Use credit-card when needed?' (set to Yes), 'CCEmail', 'CCName', 'CCType' (set to VISA), 'CCNumber', 'CCExpireMonth' (set to JAN), and 'CCExpireYear' (set to 2020).

Set your reseller credentials, connection to XCHANGE Sandbox V. Production API, PO prefix, Admin Email, and other preferences here.

XCHANGEb2b.com

dev@XCHANGEmarket.com

XCHANGE

XCHANGE MARKET CORP. MAGENTO INTEGRATION OCTOBER 1, 2018

Initially, when you are doing testing and getting setup, you would want the Reseller Settings -> 'Mode' set to 'SANDBOX'. Production URL is left blank and will be given to you upon successful completion of testing and when you want to go live. After testing, you can change the Reseller Settings -> 'Mode' to 'PRODUCTION' to go live.

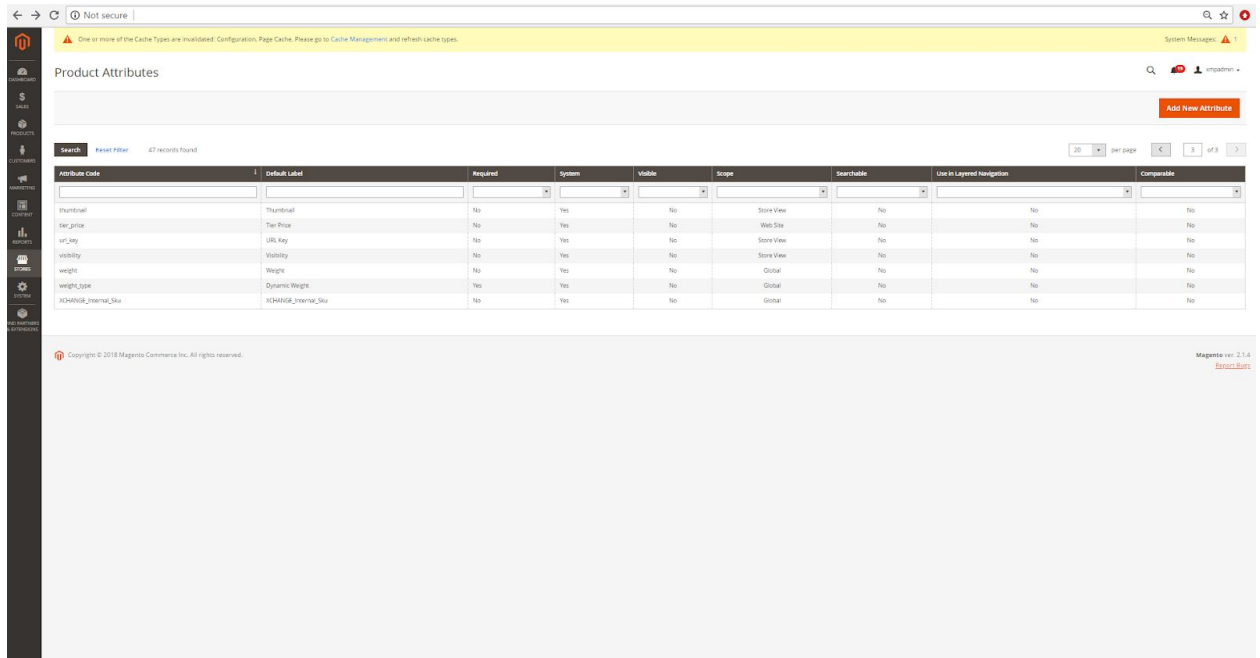
You can check that XCHANGE is installed by looking in your Magento database at the setup_module table. You should see a record for 'XCHANGE_XMP31' with 1.0.0 for schema_version and data_version. XCHANGE also adds a new EAV attribute called 'XCHANGE_Internal_Sku' to the Product Entity. This custom field would be where the XCHANGE SKU will be stored upon creating a XCHANGE Product in your Magento store.

There are also 2 other custom fields added to the 'sales_order' and 'sales_order_grid' table to store both transaction # and license info called 'XCHANGE_response' and 'XCHANGE_license_info' respectively. The XCHANGE_response column stores a Transaction ID from the XCHANGE Reservation call. This Transaction ID is then used in the XCHANGE Finalize call made after Customer payment is successfully completed. Take note that orders using delayed Payment types like Check or Money Order will Finalize the Order when the Invoice is sent. Finalize returns the Product Licensing Information for any XCHANGE products that were in the order and stores it in the XCHANGE_license_info column. This License Information is sent to the Customer in an XCHANGE Sales email as well as appearing on the Customer's View Order page.

XCHANGE

XCHANGE MARKET CORP. MAGENTO INTEGRATION OCTOBER 1, 2018

5. If you go to Stores -> Attributes -> Product, XCHANGE_Internal_Sku should be there and you should be able to find it as indicated below.



The screenshot shows the 'Product Attributes' page in a Magento installation. A yellow warning banner at the top states: 'One or more of the Cache Types are invalidated. Configuration, Page Cache. Please go to Cache Management and refresh cache types.' The page title is 'Product Attributes'. Below the title is a search bar and a table of attributes. The table has columns: Attribute Code, Default Label, Required, System, Visible, Scope, Store Scope, Use in Layered Navigation, and Comparable. The attribute 'XCHANGE_Internal_Sku' is listed at the bottom of the table.

Attribute Code	Default Label	Required	System	Visible	Scope	Store Scope	Use in Layered Navigation	Comparable
thumbnail	Thumbnail	No	Yes	No	Store View	No	No	No
tier_price	Tier Price	No	Yes	No	Web Site	No	No	No
url_key	URL Key	No	Yes	No	Store View	No	No	No
visibility	Visibility	No	Yes	No	Store View	No	No	No
weight	Weight	No	Yes	No	Global	No	No	No
weight_type	Dynamic Weight	Yes	Yes	No	Global	No	No	No
XCHANGE_Internal_Sku	XCHANGE_Internal_Sku	No	Yes	No	Global	No	No	No

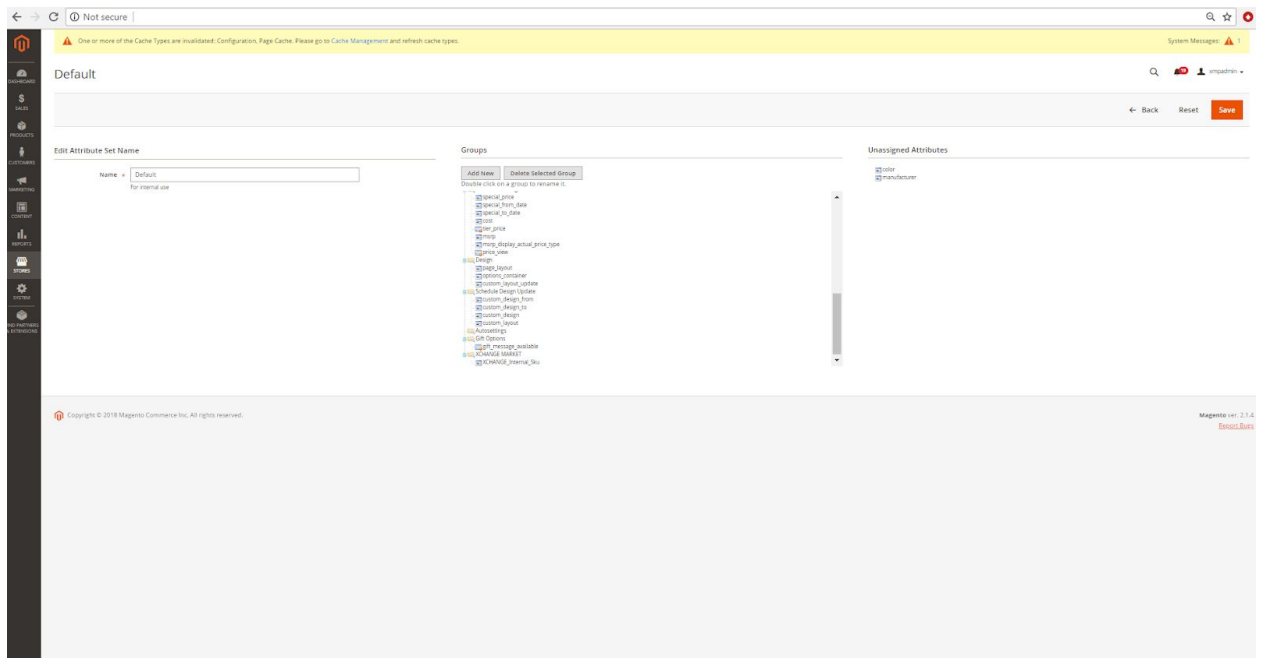
Copyright © 2018 Magento Commerce Inc. All rights reserved. Magento ver. 2.1.4
Source: Magento

Note that this new Attribute is saved under Default Attribute Set. You will need to select the 'Default' option for 'Attribute Set' when creating a new XCHANGE product.

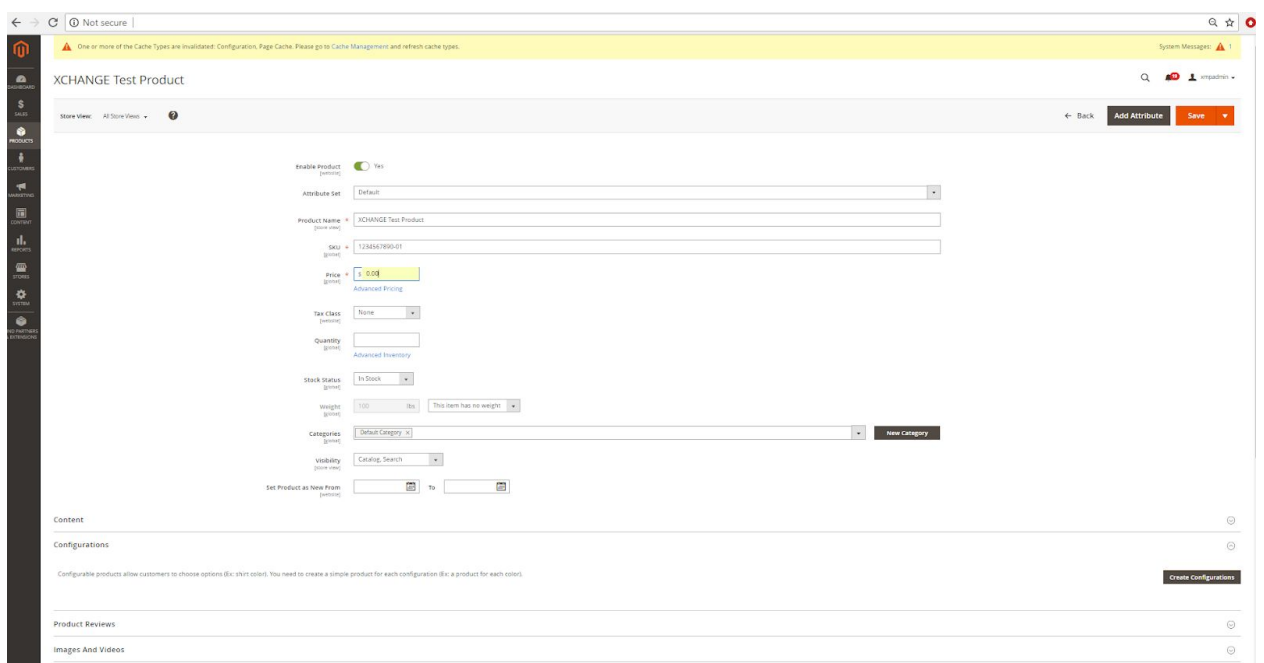
XCHANGE

XCHANGE MARKET CORP. MAGENTO INTEGRATION OCTOBER 1, 2018

6. You should also be able to see the newly reflected change under Default Attribute Set if you go to Stores -> Attributes -> Attribute Set as below.



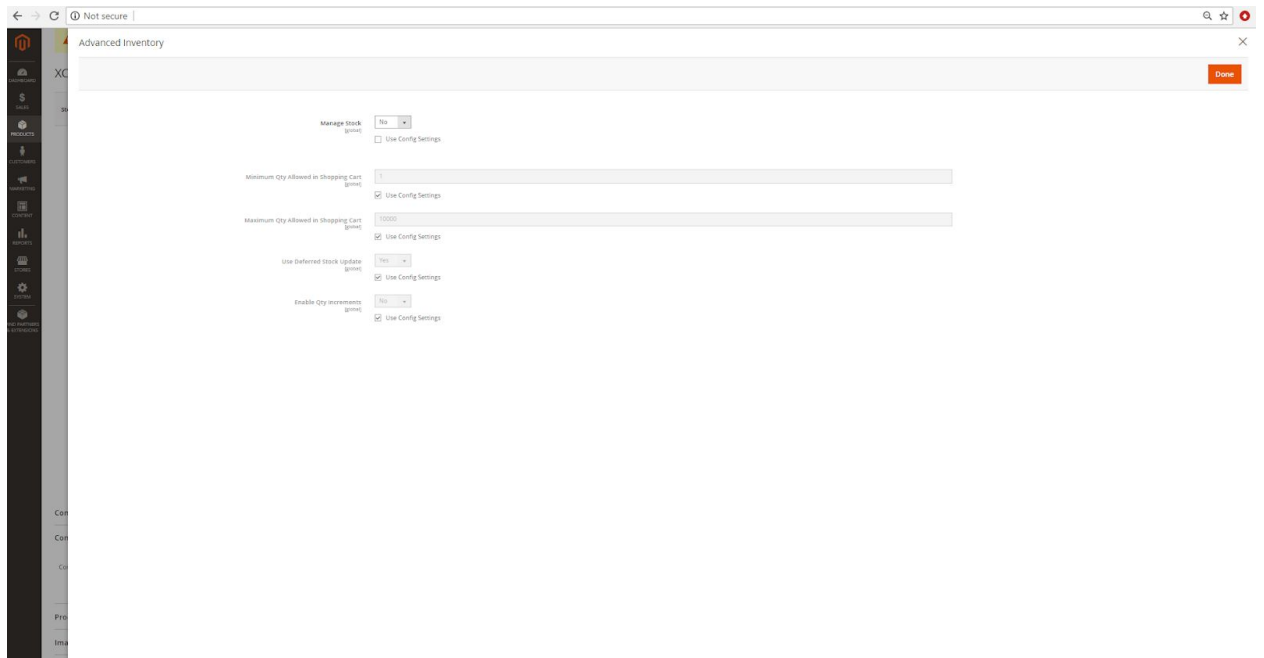
7. Adding XCHANGE Products. Go to Products -> Catalog. Add Product | Virtual Product. Set 'Attribute Set' to 'Default'.



XCHANGE

XCHANGE MARKET CORP. MAGENTO INTEGRATION OCTOBER 1, 2018

Go to 'Advanced Inventory' under 'Quantity' and set 'Manage Stock' to 'No' by also removing/unchecking 'Use Config Settings'.



The screenshot shows the 'Advanced Inventory' configuration page in a web browser. The page has a sidebar on the left with various navigation icons. The main content area contains several settings:

- Manage Stock**: Set to 'No' (dropdown menu). Below it is an unchecked checkbox for 'Use Config Settings'.
- Minimum Qty allowed in Shopping Cart**: Set to '1' (text input). Below it is a checked checkbox for 'Use Config Settings'.
- Maximum Qty allowed in Shopping Cart**: Set to '10000' (text input). Below it is a checked checkbox for 'Use Config Settings'.
- Use deferred stock update**: Set to 'Yes' (dropdown menu). Below it is a checked checkbox for 'Use Config Settings'.
- Enable Qty increments**: Set to 'No' (dropdown menu). Below it is a checked checkbox for 'Use Config Settings'.

A 'Done' button is located in the top right corner of the settings area.

XCHANGE

XCHANGE MARKET CORP. MAGENTO INTEGRATION OCTOBER 1, 2018

Get the XCHANGE Internal SKU from the xchangemarket.net site for the product you are adding and enter it in the XCHANGE MARKET -> XCHANGE_Internal_Sku field. Take note that this is different from the product's regular SKU. Set 'Stock Status' and 'Visibility' as you normally do. As a Sandbox test, you can set up a product with an XCHANGE Internal SKU of 1014-46 and set it's price to \$0.00 in order to do Zero Sub-total Checkout!

The screenshot shows the Magento 2 product edit interface for a product named 'XCHANGE Test Product'. The left sidebar contains the standard Magento navigation menu. The main content area is divided into several sections:

- Categories:** A dropdown menu set to 'Default Category (1)' with a 'New Category' button.
- Visibility:** A dropdown menu set to 'Catalog Search'.
- Set Product as New From:** A section with 'Status' and 'Image' dropdowns.
- Content:** A section for entering product content.
- Configurations:** A section for creating product configurations, with a 'Create configurations' button.
- Product Reviews:** A section for managing product reviews.
- Images And Videos:** A section for managing product images and videos.
- Search Engine Optimization:** A section for managing SEO data.
- Related Products, Up-Sells, and Cross-Sells:** A section for managing related products.
- Customizable Options:** A section for managing customizable options.
- Product in Websites:** A section for managing product visibility across websites.
- Design:** A section for managing product design.
- Schedule Design Update:** A section for scheduling design updates.
- Gift Options:** A section for managing gift options.
- XCHANGE MARKET:** A section containing a field for 'XCHANGE_Internal_Sku' with the value '1014-46' entered.
- Downloadable Information:** A section for managing downloadable information.

At the bottom of the page, there is a copyright notice: 'Copyright © 2018 Magento Commerce Inc. All rights reserved.' and the Magento version: 'Magento ver: 2.1.4'.

XCHANGE

XCHANGE MARKET CORP. MAGENTO INTEGRATION OCTOBER 1, 2018

CONCLUSION

You are now ready to sell XCHANGE products on your website! Products with an XCHANGE Internal SKU set will retrieve Licensing Information from the XCHANGE Market backend API, which will be sent to the Customer in an 'XCHANGE Sales' email after their payment transaction has completed. Orders containing only products that do not have this value set will behave normally. Logs of the XCHANGE plugin errors and activity can be found /var/log/XCHANGEMarket.log

Note that this log file contains customer licensing information, so it should be kept safeguard.

Before setting up any real products, we'd like you to first run a test on our Sandbox API. As described above, make sure under Stores -> Settings/Configuration -> XCHANGE MARKET API -> config, Reseller Settings -> 'Mode' set to 'SANDBOX', your reseller credentials are placed-in, and the SandboxURL should be there. Then set up a product using XCHANGE Internal SKU: 1014-46.

Please contact us before you run your Sandbox test, so we can make sure your account is activated for the Sandbox and closely monitor your first few test transactions. After we see that working, we'll give you the go ahead to switch over to the Production API and start setting up and selling real products from XCHANGE Vendors found on the <http://xchangemarket.net> site.

XCHANGE

XCHANGE MARKET CORP. MAGENTO INTEGRATION OCTOBER 1, 2018

TESTING Sandbox

For testing a complete successful order, enter the test sku of 1014-46 in the XCHANGE_Internal_Sku within a new virtual product and set it's price to zero \$0.00. Then turn on the 'Zero Subtotal Checkout' under Stores -> Settings -> Configuration -> Sales -> Payment Methods. You'll notice the 'Automatically Invoice All Items' is set to 'Yes', so that the order will be complete and the license info will be acquired from XCHANGE.

The screenshot shows the Magento Configuration page for Payment Methods. The 'Zero Subtotal Checkout' method is selected and configured. The configuration includes the following fields:

- Maximum Order Total:** (empty text field)
- Sort Order:** (empty text field)
- Bank Transfer Payment:** (disabled)
- Zero Subtotal Checkout:** (enabled)
 - Title:** No Payment Information Required
 - Enabled:** Yes
 - New Order Status:** Processing
 - Automatically Invoice All Items:** Yes
 - Payment from Applicable Countries:** All Allowed Countries
 - Payment from Specific Countries:** Afghanistan, Aruba, Barbados, Belize, Bolivia, Brazil, Bulgaria, Cambodia, Canada, Chile, China, Colombia, Costa Rica, Czech Republic, Denmark, Dominican Republic, Ecuador, Egypt, El Salvador, Estonia, Finland, France, Germany, Greece, Guatemala, Hong Kong, Hungary, Iceland, India, Indonesia, Israel, Italy, Japan, Kazakhstan, Korea, Kuwait, Kyrgyzstan, Laos, Latvia, Lithuania, Luxembourg, Macedonia, Malaysia, Maldives, Malta, Mexico, Monaco, Mongolia, Morocco, Myanmar, Nepal, Netherlands, New Zealand, Nicaragua, Nigeria, Norway, Oman, Pakistan, Panama, Paraguay, Peru, Philippines, Poland, Portugal, Romania, Russia, Saudi Arabia, Serbia, Singapore, Slovakia, Slovenia, South Africa, South Korea, Spain, Sri Lanka, Sweden, Switzerland, Taiwan, Tajikistan, Thailand, Timor-Leste, Trinidad and Tobago, Turkey, Ukraine, United Arab Emirates, United Kingdom, United States, Uruguay, Uzbekistan, Venezuela, Vietnam, Wales, and Yemen.
 - Sort Order:** 1
- Purchase Order:** (disabled)
 - Title:** Purchase Order
 - New Order Status:** Pending
 - Payment from Applicable Countries:** All Allowed Countries
 - Payment from Specific Countries:** Afghanistan, Aruba, Barbados, Belize, Bolivia, Brazil, Bulgaria, Cambodia, Canada, Chile, China, Colombia, Costa Rica, Czech Republic, Denmark, Dominican Republic, Ecuador, Egypt, El Salvador, Estonia, Finland, France, Germany, Greece, Guatemala, Hong Kong, Hungary, Iceland, India, Indonesia, Israel, Italy, Japan, Kazakhstan, Korea, Kuwait, Kyrgyzstan, Laos, Latvia, Lithuania, Luxembourg, Macedonia, Malaysia, Maldives, Malta, Mexico, Monaco, Mongolia, Morocco, Myanmar, Nepal, Netherlands, New Zealand, Nicaragua, Nigeria, Norway, Oman, Pakistan, Panama, Paraguay, Peru, Philippines, Poland, Portugal, Romania, Russia, Saudi Arabia, Serbia, Singapore, Slovakia, Slovenia, South Africa, South Korea, Spain, Sri Lanka, Sweden, Switzerland, Taiwan, Tajikistan, Thailand, Timor-Leste, Trinidad and Tobago, Turkey, Ukraine, United Arab Emirates, United Kingdom, United States, Uruguay, Uzbekistan, Venezuela, Vietnam, Wales, and Yemen.

The 'Save Config' button is visible in the top right corner.

XCHANGE

XCHANGE MARKET CORP. MAGENTO INTEGRATION OCTOBER 1, 2018

MORE INSIGHTS AND XCHANGE FLOW OF THINGS IN YOUR MAGENTO STORE

Adding XCHANGE Product to Cart

The screenshot shows the LUMA Magento storefront. At the top, the navigation bar includes the LUMA logo, a search bar, and a shopping cart icon with a '1' item indicator. Below the navigation bar, the main content area displays search results for 'XCHANGE Test Product'. A green banner confirms 'You added XCHANGE Test Product to your shopping cart.' The 'Compare Products' section shows '1 Item' and a message 'You have no items to compare.' The 'Recently Ordered' section lists 'XCHANGE Test Product' with an 'Add to Cart' button. The 'My Wish List' section shows 'You have no items in your wish list.' A product card for 'XCHANGE Test Product' is displayed with a price of '\$0.00'. A shopping cart overlay on the right shows '1 item' and a 'Cart Subtotal' of '\$0.00', with a 'Go to Checkout' button. The footer contains a 'Privacy and Cookie Policy' link, an email subscription field, and a 'Subscribe' button.

Placing an order with Zero Sub-total Checkout

The screenshot shows the LUMA Magento checkout page. The 'Review & Payments' step is active, indicated by a checkmark in a circle. The 'Payment Method' section shows 'No Payment Information Required'. A 'Place Order' button is visible. On the right, the 'Order Summary' sidebar displays the following details:

Order Summary	
Cart Subtotal	\$0.00
Order Total	\$0.00
1 Item in Cart	
XCHANGE Test Product	\$0.00
Qty: 1	

At the bottom of the page, there is a footer with the text 'Copyright © 2016 Magento. All rights reserved.'

Checkout success page with XCHANGE License Info



XCHANGE

XCHANGE MARKET CORP. MAGENTO INTEGRATION OCTOBER 1, 2018

XCHANGE Sales | License Info via email

XCHANGE License Info for Your Order

 **XCHANGE Sales** <s.senathira@xchangemarket.com>
to me

Thu, Sep 27, 3:00 PM (4 days ago)



Sank Senathira

Please find below your XCHANGE License Info for your order 000000204

Product Licensing Information

Product:	XCHANGE Test Product
Serial Number:	DUMMY_LICENSE_636736560666315000
Download:	http://www.xchangemarket.com/reg
Support Contact:	gatkings2004@hotmail.com gatkings@xchangem

[About Us](#)
[Customer Service](#)