OPEN API User Guide

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# How to apply for API?

It is very easy to apply for OPEN API. The only prerequisite is you have an account on our website.

Only one thing should be considered before you apply for it: Do you want us to put your watermark on the item images?

* YES. Please tell your Account Manager you want to apply our OPEN API and provide your watermark to us (750x750 pixel with PNG type).
* NO. Please tell your Account Manager you want to apply our OPEN API and no watermark is needed.

Once we get your application, we will review your watermark file (if you provide) and if it is qualified. We will inform specific IT engineer to authorize you use the OPEN API .

All these works will be finished in 1-2 working days. We will inform you the final result accordingly.

# Authorization

In order to use our openAPI, you need to pass the authentication authorization, you must complete the following steps.

1. Verify your authorization information via the following URL:
* [http://openapi.tvc-mall.com/Authorization/GetAuthorization?email=<email>&password=<password>](http://openapi.tvc-mall.com/Authorization/GetAuthorization?email=%3Cemail%3E&password=%3Cpassword%3E).
	1. Parameter description:
	+ email: your email
	+ password: your password
	1. Results description:
	+ Success: Whether authentication succeed
	+ AuthorizationToken: If you pass the authentication, you can get the token
1. Please add the AuthorizationToken that got at last step to your HTTP request Authorization in header to complete the authentication (<http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html#sec14.8>), as follows(Note: TVC SPACE AND THEN TOKEN):
	* Authorization: TVC <AuthorizationToken> Through these steps, you can be able to access our OPEN API.
2. In addition, we also provide a method for your program debug, in the verification of authorization information URL add a Parameter: . such as:
* http://openapi.tvc-mall.com/Authorization/GetAuthorization?email=<email>&password=<password>&writeCookie=true
* In this way, you can access our OPENAPI in your browser directly.
1. Make sure you are in single mode, or you may get incomplete result. [Check more details in Appendix](#single-thread).
2. Read Appendix.

### Example code

# Get AuthorizationToken with email and password of your account in our website
# apiemail=example@email.com
# password=secretpassword
AuthorizationToken=`curl --silent http://openapi.tvc-mall.com/Authorization/GetAuthorization?email="$apiemail"\&password="$password" | grep -o -E 'AuthorizationToken.\*' | awk -F\" '{print $3}'`

# Get children of the category specified in the parameters

## Request Url: /OpenApi/Category/GetChildren

## Parameter available

|  |  |  |
| --- | --- | --- |
| **parameter** | **eg.** | **notes** |
| ParentCode | C0001 | Parent Code, if no input, it will return to the first category list. Non-Mandatory |

## Returned value specification:

|  |  |  |
| --- | --- | --- |
| **parameter** | **type** | **illustration** |
| CateoryList | Array | Returned result array, single data results includes: Code, Name, Parent Code, Status; If data not exist, return empty array. |
| CateoryList.Code | String | Category Code |
| CateoryList.Name | String | Category Name |
| CateoryList.ParentCode | String | Parent Code of the category |
| CateoryList.Status | String | Category Status includes: valid, invalid |

## Example Code

### Get the category list

curl --silent --header "Authorization:TVC $AuthorizationToken" http://openapi.tvc-mall.com/OpenApi/Category/GetChildren

## {"CateoryList":[{"Code":"C0067","Name":"Cell Phone Accessories","ParentCode":"","Status":"Valid"},{"Code":"C0037","Name":"Cell Phone Cases","ParentCode":"","Status":"Valid"},{"Code":"C0060","Name":"Cell Phone Parts","ParentCode":"","Status":"Valid"},{"Code":"C0001","Name":"Phones & Tablets","ParentCode":"","Status":"Valid"},{"Code":"C0005","Name":"Consumer Electronics","ParentCode":"","Status":"Valid"},{"Code":"C0006","Name":"Computer & Networking","ParentCode":"","Status":"Valid"},{"Code":"C0064","Name":"Electrical & Tools","ParentCode":"","Status":"Valid"},{"Code":"C0010","Name":"Sports & Outdoors","ParentCode":"","Status":"Valid"},{"Code":"C0007","Name":"GoPro Accessories","ParentCode":"","Status":"Valid"},{"Code":"C0011","Name":"Hobbies & Toys","ParentCode":"","Status":"Valid"},{"Code":"C0009","Name":"Home & Garden","ParentCode":"","Status":"Valid"},{"Code":"C0004","Name":"Car Accessories","ParentCode":"","Status":"Valid"},{"Code":"C0002","Name":"Security & Surveillance","ParentCode":"","Status":"Valid"},{"Code":"C0008","Name":"Health & Beauty","ParentCode":"","Status":"Valid"},{"Code":"C0003","Name":"Lights & Lighting","ParentCode":"","Status":"Valid"},{"Code":"C0012","Name":"Jewelry","ParentCode":"","Status":"Valid"},{"Code":"C0069","Name":"Baby & Mother","ParentCode":"","Status":"Valid"},{"Code":"C0065","Name":"Customized Products","ParentCode":"","Status":"Valid"},{"Code":"C0070","Name":"Health Protection","ParentCode":"","Status":"Valid"},{"Code":"C0071","Name":"Pet Products","ParentCode":"","Status":"Valid"}]}

### Get the subcategory list of category C0037

curl --silent --header "Authorization:TVC $AuthorizationToken" http://openapi.tvc-mall.com/OpenApi/Category/GetChildren?ParentCode=C0037

## {"CateoryList":[{"Code":"C00370002","Name":"Apple Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370013","Name":"Samsung Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370014","Name":"Huawei Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370015","Name":"Sony Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370009","Name":"Xiaomi Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370006","Name":"Motorola Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370007","Name":"OnePlus Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370004","Name":"LG Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370010","Name":"Asus Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370008","Name":"Lenovo Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370045","Name":"Honor Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370005","Name":"Acer Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370001","Name":"Allview Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370011","Name":"Amazon Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370012","Name":"Alcatel Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370039","Name":"BLU Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370040","Name":"BQ Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370041","Name":"Blackberry Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370036","Name":"Docomo Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370037","Name":"Doogee Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370038","Name":"Dell Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370033","Name":"Gigaset Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370034","Name":"Gionee Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370035","Name":"Google Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370031","Name":"HP Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370032","Name":"HTC Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370030","Name":"Infocus Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370043","Name":"Kobo Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370029","Name":"LeEco Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370026","Name":"Meizu Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370028","Name":"Microsoft Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370025","Name":"Nvidia Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370027","Name":"Nokia Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370024","Name":"Oppo Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370044","Name":"Realme Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370017","Name":"Sony Ericsson Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370018","Name":"Smartisan Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370042","Name":"Smart Watch Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370016","Name":"UMI Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370019","Name":"Vodafone Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370020","Name":"vivo Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370021","Name":"Wileyfox Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370022","Name":"Wiko Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370023","Name":"ZTE Cases","ParentCode":"C0037","Status":"Valid"},{"Code":"C00370003","Name":"Other Phone Cases","ParentCode":"C0037","Status":"Valid"}]}

# Search products

## Request Url: /OpenApi/Product/Search

## Parameter available

|  |  |  |
| --- | --- | --- |
| **parameter** | **Eg.** | **note** |
| CategoryCode | C0001 | classified parameter, Non-mandatory |
| Status | 1 | if status <=3 –> ProductStatus = 1; 4 –> ProductStatus > 1 |
| Manufacturer | IPAD | Applicable models, non-mandatory |
| ModifiedStart | 2000-01-01 | the time of begin the specific modification. Non-mandatory |
| ~~PageIndex~~ | 1 | Deprecated; page number, default 1; |
| PageSize | 40 | page size: default 40, Max.100 |
| AttributeName | Brand/Color/Material | Product Attribute: 1. / means “and”;2. \* means “or”;3. a name must correspond a value. |
| AttributeValue | Benks/White/Plastic | see AttributeName’s note |
| tags | BestSellers | The following tags can be used: *NewArrivals, BestSellers, FlashShipping, Brands, StockClearances, Customizable*. Please use comma to separate the tags if you want to filter by multiple tags. |
| beginDate | 2018-01-11T00:16:34 | The minimum add date |
| endDate | 2018-01-11T23:16:34 | the maximum add date |
| lastProductId | 1353032 | Required for all request but the first one. The biggest ProductId you get in previous request. [Check more details in Appendix](#single-thread). |

## Return result illustration

|  |  |  |
| --- | --- | --- |
| **parameter** | **type** | **note** |
| ProductItemNoList | Array | return result array, single data result includes: Item number, Gmt Modified; if data not exist, return empty array. |
| ProductItemNoList.ItemNo | String | item unique identification |
| ProductItemNoList.CatalogCode | String | Category Code |
| ProductItemNoList.ProductStatus | String | Please check status(#status) section |
| ProductItemNoList.PublishDate | DateTime | Publish Date |
| ProductItemNoList.StockStatus | String | Please check status(#status) section |
| ProductItemNoList.GmtModified | DateTime | Utc modified: the end of the specific modification |

## Example Code

### Search product with tag FlashShipping or NewArrivals

curl --silent --header "Authorization:TVC $AuthorizationToken" http://openapi.tvc-mall.com/OpenApi/product/Search?tags=FlashShipping,NewArrivals\&PageSize=3 | python3 -m json.tool

## {
## "ProductItemNoList": [
## {
## "ProductId": 1721376,
## "ItemNo": "101228572C",
## "CatalogCode": "C003700130338",
## "ProductStatus": 1,
## "PublishDate": "2020-07-09T10:33:10Z",
## "StockStatus": 2,
## "Modified": "2020-07-09T11:00:59Z"
## },
## {
## "ProductId": 1721375,
## "ItemNo": "101228572B",
## "CatalogCode": "C003700130338",
## "ProductStatus": 1,
## "PublishDate": "2020-07-09T10:33:09Z",
## "StockStatus": 2,
## "Modified": "2020-07-09T11:00:59Z"
## },
## {
## "ProductId": 1721374,
## "ItemNo": "101228572A",
## "CatalogCode": "C003700130338",
## "ProductStatus": 1,
## "PublishDate": "2020-07-09T10:33:08Z",
## "StockStatus": 2,
## "Modified": "2020-07-09T11:00:59Z"
## }
## ],
## "Total": 0,
## "pageIndex": 1,
## "pageSize": 3,
## "lastProductId": 1721374,
## "QueryTime": "00:00:01.0719462"
## }

### Search products by attributes

curl --silent --header "Authorization:TVC $AuthorizationToken" http://openapi.tvc-mall.com/OpenApi/Product/Search?PageSize=3\&CategoryCode=C0037\&AttributeName=Brand/Color/Material\&AttributeValue=Benks/White/Plastic | python3 -m json.tool

## {
## "ProductItemNoList": [
## {
## "ProductId": 1719740,
## "ItemNo": "102600215H",
## "CatalogCode": "C00370003",
## "ProductStatus": 1,
## "PublishDate": "2020-07-10T04:21:45Z",
## "StockStatus": 2,
## "Modified": "2020-07-10T04:50:43Z"
## },
## {
## "ProductId": 1719740,
## "ItemNo": "102600215H",
## "CatalogCode": "C00370003",
## "ProductStatus": 1,
## "PublishDate": "2020-07-10T04:21:45Z",
## "StockStatus": 2,
## "Modified": "2020-07-10T04:50:43Z"
## },
## {
## "ProductId": 1719740,
## "ItemNo": "102600215H",
## "CatalogCode": "C00370003",
## "ProductStatus": 1,
## "PublishDate": "2020-07-10T04:21:45Z",
## "StockStatus": 2,
## "Modified": "2020-07-10T04:50:43Z"
## }
## ],
## "Total": 0,
## "pageIndex": 1,
## "pageSize": 3,
## "lastProductId": 1719740,
## "QueryTime": "00:00:00.5258976"
## }

### Search product in C0037 category

curl --silent --header "Authorization:TVC $AuthorizationToken" http://openapi.tvc-mall.com/OpenApi/Product/Search?PageSize=2\&CategoryCode=C0037 | python3 -m json.tool

## {
## "ProductItemNoList": [
## {
## "ProductId": 1721376,
## "ItemNo": "101228572C",
## "CatalogCode": "C003700130338",
## "ProductStatus": 1,
## "PublishDate": "2020-07-09T10:33:10Z",
## "StockStatus": 2,
## "Modified": "2020-07-09T11:00:59Z"
## },
## {
## "ProductId": 1721375,
## "ItemNo": "101228572B",
## "CatalogCode": "C003700130338",
## "ProductStatus": 1,
## "PublishDate": "2020-07-09T10:33:09Z",
## "StockStatus": 2,
## "Modified": "2020-07-09T11:00:59Z"
## }
## ],
## "Total": 0,
## "pageIndex": 1,
## "pageSize": 2,
## "lastProductId": 1721375,
## "QueryTime": "00:00:00.5169654"
## }

# Get the details of the specified product

## Request Url: /OpenApi/Product/Detail

## Parameter required

|  |  |  |
| --- | --- | --- |
| **parameter** | **Eg.** | **note** |
| ItemNo | 10000007A | unique identification, required |

## Return result illustrations

|  |  |  |
| --- | --- | --- |
| **parameter** | **type** | **note** |
| Detail | Array | return result. If data not exist, return Null |
| Detail.ItemNo | String | unique identification |
| Detail.CategoryCode | String | Category Code |
| Detail.Name | String | item name |
| Detail.Summary | String | item summary |
| Detail.Description | String | item description |
| Detail.ProductStatus | Int | Please check [product status](#product-status) section |
| Detail.WithPackage | Bool | with or without packing |
| Detail.Reminder | String | reminder |
| Detail.MOQ | Int | MOQ |
| Detail.IsSpecialOffer | Bool | promotional items or not |
| Detail.Price | Decimal | item price |
| Detail.OriginalPrice | Decimal | original price : if not promotional items, price is the same with one unit |
| Detail.PriceList | Array | price range |
| Detail.SpecificationList | Array | price specification list |
| Detail.LeadTime | String | Lead time |
| Detail.GrossWeight | Decimal | Gross weight |
| Detail.VolumeWeight | Decimal | volumetric weight |
| Detail.CompatibleList | Array | applicable brand |
| Detail.GmtAdded | Datetime | newly added UTC |
| Detail.GmtModified | Datetime | UTC modified |
| Detail.StockStatus | Int | Please check [Stock Status](#stock-status) section |
| **Detail.PackageList** | **Array** | **Product’s PackageList** |
| ModelList | Array | other items in the same category with this item are with the same properties except for the ModeList property |

## Detail.PriceList parameter illustration

|  |  |  |
| --- | --- | --- |
| **parameter** | **type** | **Note** |
| MinimumQuantity | Int | MOQ |
| UnitPrice | Decimal | Unit price |

## Detail.CompatibleList

|  |  |  |
| --- | --- | --- |
| **parameter** | **type** | **Note** |
| Name | String | specification name |
| Value | String | specification’s corresponding value |

## Example Code

### Get the details of 10117433A

curl --silent --header "Authorization:TVC $AuthorizationToken" http://openapi.tvc-mall.com/OpenApi/Product/Detail?ItemNo=10117433A

## {"Detail":{"ItemNo":"10117433A","EanCode":"","CategoryCode":"C003700020003","Name":"For iPad 9.7 (2018) / 9.7 (2017) Tri-fold Stand Smart Leather Tablet Case Cover - Black","Summary":"","Description":"<h5 class='system-title'>For iPad 9.7 (2018) / 9.7 (2017) Tri-fold Stand Smart Leather Tablet Case Cover - Black</h5>\n<div class='system-intro'></div>\n<div class='system-description'><ul class='sales-points'>\r\n<li>Tri-fold cover offers sturdy and versatile stand for viewing and typing</li>\n<li>Smart wake up and sleep function, saving power</li>\n<li>Provide full body protection against scratches</li>\n<li>Full accessibility to ports and buttons</li>\n</ul>\r\n</div>\n","ProductStatus":1,"WithPackage":0,"Reminder":"","MOQ":1,"IsSpecialOffer":false,"Price":3.87,"OriginalPrice":3.8700,"PriceList":[{"MinimumQuantity":1,"UnitPrice":3.87},{"MinimumQuantity":3,"UnitPrice":3.76},{"MinimumQuantity":12,"UnitPrice":3.59},{"MinimumQuantity":30,"UnitPrice":3.44},{"MinimumQuantity":60,"UnitPrice":3.34}],"SpecificationList":[{"Name":"Case Feature","Value":"Auto wake & sleep"},{"Name":"Case Feature","Value":"With Stand"},{"Name":"Color","Value":"Black"},{"Name":"Material","Value":"Plastic"},{"Name":"Material","Value":"PU Leather"},{"Name":"Retail Packaging","Value":"Simple PP Bag"},{"Name":"Texture","Value":"Litchi"}],"LeadTime":"1 - 3 days","GrossWeight":0.245280,"VolumeWeight":0.15041331200000,"Length":24.4000,"Width":17.2000,"Height":1.6000,"CompatibleList":["iPad 9.7-inch (2018)","iPad 9.7-inch (2017)"],"Modified":"2020-06-28T01:43:53Z","Added":"2017-03-25T17:41:25Z","StockStatus":2,"CacheTime":"2020-07-10T08:58:06.1062909Z"},"ModelList":[{"ItemNo":"10117433A","EanCode":"","CategoryCode":"C003700020003","Name":"For iPad 9.7 (2018) / 9.7 (2017) Tri-fold Stand Smart Leather Tablet Case Cover - Black","Summary":"","Description":"<h5 class='system-title'>For iPad 9.7 (2018) / 9.7 (2017) Tri-fold Stand Smart Leather Tablet Case Cover - Black</h5>\n<div class='system-intro'></div>\n<div class='system-description'><ul class='sales-points'>\r\n<li>Tri-fold cover offers sturdy and versatile stand for viewing and typing</li>\n<li>Smart wake up and sleep function, saving power</li>\n<li>Provide full body protection against scratches</li>\n<li>Full accessibility to ports and buttons</li>\n</ul>\r\n</div>\n","ProductStatus":1,"WithPackage":0,"Reminder":"","MOQ":1,"IsSpecialOffer":false,"Price":3.87,"OriginalPrice":3.8700,"PriceList":[{"MinimumQuantity":1,"UnitPrice":3.87},{"MinimumQuantity":3,"UnitPrice":3.76},{"MinimumQuantity":12,"UnitPrice":3.59},{"MinimumQuantity":30,"UnitPrice":3.44},{"MinimumQuantity":60,"UnitPrice":3.34}],"SpecificationList":[{"Name":"Case Feature","Value":"Auto wake & sleep"},{"Name":"Case Feature","Value":"With Stand"},{"Name":"Color","Value":"Black"},{"Name":"Material","Value":"Plastic"},{"Name":"Material","Value":"PU Leather"},{"Name":"Retail Packaging","Value":"Simple PP Bag"},{"Name":"Texture","Value":"Litchi"}],"LeadTime":"1 - 3 days","GrossWeight":0.245280,"VolumeWeight":0.15041331200000,"Length":24.4000,"Width":17.2000,"Height":1.6000,"CompatibleList":["iPad 9.7-inch (2018)","iPad 9.7-inch (2017)"],"Modified":"2020-06-28T01:43:53Z","Added":"2017-03-25T17:41:25Z","StockStatus":2,"CacheTime":"2020-07-10T08:58:05.8876459Z"},{"ItemNo":"10117433B","EanCode":"","CategoryCode":"C003700020003","Name":"For iPad 9.7 (2018) / 9.7 (2017) Tri-fold Stand Leather Smart Case Cover - White","Summary":"","Description":"<h5 class='system-title'>For iPad 9.7 (2018) / 9.7 (2017) Tri-fold Stand Leather Smart Case Cover - White</h5>\n<div class='system-intro'></div>\n<div class='system-description'><ul class='sales-points'>\r\n<li>Tri-fold cover offers sturdy and versatile stand for viewing and typing</li>\n<li>Smart wake up and sleep function, saving power</li>\n<li>Provide full body protection against scratches</li>\n<li>Full accessibility to ports and buttons</li>\n</ul>\r\n</div>\n","ProductStatus":1,"WithPackage":0,"Reminder":null,"MOQ":1,"IsSpecialOffer":false,"Price":3.87,"OriginalPrice":3.8700,"PriceList":[{"MinimumQuantity":1,"UnitPrice":3.87},{"MinimumQuantity":3,"UnitPrice":3.76},{"MinimumQuantity":12,"UnitPrice":3.59},{"MinimumQuantity":30,"UnitPrice":3.44},{"MinimumQuantity":60,"UnitPrice":3.34}],"SpecificationList":[{"Name":"Case Feature","Value":"Auto wake & sleep"},{"Name":"Case Feature","Value":"With Stand"},{"Name":"Color","Value":"White"},{"Name":"Material","Value":"Plastic"},{"Name":"Material","Value":"PU Leather"},{"Name":"Retail Packaging","Value":"Simple PP Bag"},{"Name":"Texture","Value":"Litchi"}],"LeadTime":"1 - 3 days","GrossWeight":0.245280,"VolumeWeight":0.15041331200000,"Length":24.4000,"Width":17.2000,"Height":1.6000,"CompatibleList":["iPad 9.7-inch (2017)","iPad 9.7-inch (2018)"],"Modified":"2020-06-04T10:49:32Z","Added":"2017-03-25T17:41:25Z","StockStatus":2,"CacheTime":"2020-07-10T08:58:05.9031917Z"},{"ItemNo":"10117433C","EanCode":"","CategoryCode":"C003700020003","Name":"For iPad 9.7 (2018) / 9.7 (2017) Smart Awakening Tri-fold Leather Stand Case - Red","Summary":"","Description":"<h5 class='system-title'>For iPad 9.7 (2018) / 9.7 (2017) Smart Awakening Tri-fold Leather Stand Case - Red</h5>\n<div class='system-intro'></div>\n<div class='system-description'><ul class='sales-points'>\r\n<li>Tri-fold cover offers sturdy and versatile stand for viewing and typing</li>\n<li>Smart wake up and sleep function, saving power</li>\n<li>Provide full body protection against scratches</li>\n<li>Full accessibility to ports and buttons</li>\n</ul>\r\n</div>\n","ProductStatus":1,"WithPackage":0,"Reminder":null,"MOQ":1,"IsSpecialOffer":false,"Price":3.87,"OriginalPrice":3.8700,"PriceList":[{"MinimumQuantity":1,"UnitPrice":3.87},{"MinimumQuantity":3,"UnitPrice":3.76},{"MinimumQuantity":12,"UnitPrice":3.59},{"MinimumQuantity":30,"UnitPrice":3.44},{"MinimumQuantity":60,"UnitPrice":3.34}],"SpecificationList":[{"Name":"Case Feature","Value":"Auto wake & sleep"},{"Name":"Case Feature","Value":"With Stand"},{"Name":"Color","Value":"Red"},{"Name":"Material","Value":"Plastic"},{"Name":"Material","Value":"PU Leather"},{"Name":"Retail Packaging","Value":"Simple PP Bag"},{"Name":"Texture","Value":"Litchi"}],"LeadTime":"1 - 3 days","GrossWeight":0.245280,"VolumeWeight":0.15041331200000,"Length":24.4000,"Width":17.2000,"Height":1.6000,"CompatibleList":["iPad 9.7-inch (2017)","iPad 9.7-inch (2018)"],"Modified":"2020-06-04T10:49:32Z","Added":"2017-03-25T17:41:24Z","StockStatus":2,"CacheTime":"2020-07-10T08:58:05.9187946Z"},{"ItemNo":"10117433D","EanCode":"","CategoryCode":"C003700020003","Name":"For iPad 9.7 (2018) / 9.7 (2017) Tri-fold Stand Leather Smart Case Shell - Rose","Summary":"","Description":"<h5 class='system-title'>For iPad 9.7 (2018) / 9.7 (2017) Tri-fold Stand Leather Smart Case Shell - Rose</h5>\n<div class='system-intro'></div>\n<div class='system-description'><ul class='sales-points'>\r\n<li>Tri-fold cover offers sturdy and versatile stand for viewing and typing</li>\n<li>Smart wake up and sleep function, saving power</li>\n<li>Provide full body protection against scratches</li>\n<li>Full accessibility to ports and buttons</li>\n</ul>\r\n</div>\n","ProductStatus":1,"WithPackage":0,"Reminder":null,"MOQ":1,"IsSpecialOffer":false,"Price":3.87,"OriginalPrice":3.8700,"PriceList":[{"MinimumQuantity":1,"UnitPrice":3.87},{"MinimumQuantity":3,"UnitPrice":3.76},{"MinimumQuantity":12,"UnitPrice":3.59},{"MinimumQuantity":30,"UnitPrice":3.44},{"MinimumQuantity":60,"UnitPrice":3.34}],"SpecificationList":[{"Name":"Case Feature","Value":"Auto wake & sleep"},{"Name":"Case Feature","Value":"With Stand"},{"Name":"Color","Value":"Rose"},{"Name":"Material","Value":"Plastic"},{"Name":"Material","Value":"PU Leather"},{"Name":"Retail Packaging","Value":"Simple PP Bag"},{"Name":"Texture","Value":"Litchi"}],"LeadTime":"1 - 3 days","GrossWeight":0.245280,"VolumeWeight":0.15041331200000,"Length":24.4000,"Width":17.2000,"Height":1.6000,"CompatibleList":["iPad 9.7-inch (2017)","iPad 9.7-inch (2018)"],"Modified":"2020-06-04T10:49:32Z","Added":"2017-03-25T17:41:24Z","StockStatus":2,"CacheTime":"2020-07-10T08:58:05.934443Z"},{"ItemNo":"10117433E","EanCode":"","CategoryCode":"C003700020003","Name":"Tri-fold Stand Smart Wake Sleep Leather Cover for iPad 9.7 (2018) / 9.7 (2017) - Pink","Summary":"","Description":"<h5 class='system-title'>Tri-fold Stand Smart Wake Sleep Leather Cover for iPad 9.7 (2018) / 9.7 (2017) - Pink</h5>\n<div class='system-intro'></div>\n<div class='system-description'><ul class='sales-points'>\r\n<li>Tri-fold cover offers sturdy and versatile stand for viewing and typing</li>\n<li>Smart wake up and sleep function, saving power</li>\n<li>Provide full body protection against scratches</li>\n<li>Full accessibility to ports and buttons</li>\n</ul>\r\n</div>\n","ProductStatus":1,"WithPackage":0,"Reminder":null,"MOQ":1,"IsSpecialOffer":false,"Price":3.87,"OriginalPrice":3.8700,"PriceList":[{"MinimumQuantity":1,"UnitPrice":3.87},{"MinimumQuantity":3,"UnitPrice":3.76},{"MinimumQuantity":12,"UnitPrice":3.59},{"MinimumQuantity":30,"UnitPrice":3.44},{"MinimumQuantity":60,"UnitPrice":3.34}],"SpecificationList":[{"Name":"Case Feature","Value":"Auto wake & sleep"},{"Name":"Case Feature","Value":"With Stand"},{"Name":"Color","Value":"Pink"},{"Name":"Material","Value":"Plastic"},{"Name":"Material","Value":"PU Leather"},{"Name":"Retail Packaging","Value":"Simple PP Bag"},{"Name":"Texture","Value":"Litchi"}],"LeadTime":"1 - 3 days","GrossWeight":0.245280,"VolumeWeight":0.15041331200000,"Length":24.4000,"Width":17.2000,"Height":1.6000,"CompatibleList":["iPad 9.7-inch (2017)","iPad 9.7-inch (2018)"],"Modified":"2020-06-04T10:49:32Z","Added":"2017-03-25T17:41:24Z","StockStatus":2,"CacheTime":"2020-07-10T08:58:05.950085Z"},{"ItemNo":"10117433F","EanCode":"","CategoryCode":"C003700020003","Name":"For iPad 9.7 (2018) / 9.7 (2017) Tri-fold Stand Leather Smart Tablet Cover Case - Orange","Summary":"","Description":"<h5 class='system-title'>For iPad 9.7 (2018) / 9.7 (2017) Tri-fold Stand Leather Smart Tablet Cover Case - Orange</h5>\n<div class='system-intro'></div>\n<div class='system-description'><ul class='sales-points'>\r\n<li>Tri-fold cover offers sturdy and versatile stand for viewing and typing</li>\n<li>Smart wake up and sleep function, saving power</li>\n<li>Provide full body protection against scratches</li>\n<li>Full accessibility to ports and buttons</li>\n</ul>\r\n</div>\n","ProductStatus":1,"WithPackage":0,"Reminder":null,"MOQ":1,"IsSpecialOffer":false,"Price":3.87,"OriginalPrice":3.8700,"PriceList":[{"MinimumQuantity":1,"UnitPrice":3.87},{"MinimumQuantity":3,"UnitPrice":3.76},{"MinimumQuantity":12,"UnitPrice":3.59},{"MinimumQuantity":30,"UnitPrice":3.44},{"MinimumQuantity":60,"UnitPrice":3.34}],"SpecificationList":[{"Name":"Case Feature","Value":"Auto wake & sleep"},{"Name":"Case Feature","Value":"With Stand"},{"Name":"Color","Value":"Orange"},{"Name":"Material","Value":"Plastic"},{"Name":"Material","Value":"PU Leather"},{"Name":"Retail Packaging","Value":"Simple PP Bag"},{"Name":"Texture","Value":"Litchi"}],"LeadTime":"1 - 3 days","GrossWeight":0.245280,"VolumeWeight":0.15041331200000,"Length":24.4000,"Width":17.2000,"Height":1.6000,"CompatibleList":["iPad 9.7-inch (2017)","iPad 9.7-inch (2018)"],"Modified":"2020-06-04T10:49:32Z","Added":"2017-03-25T17:41:23Z","StockStatus":2,"CacheTime":"2020-07-10T08:58:05.9813147Z"},{"ItemNo":"10117433G","EanCode":"","CategoryCode":"C003700020003","Name":"For iPad 9.7 (2018) / 9.7 (2017) Tri-fold Leather Cover Smart Case Stand - Rose Gold","Summary":"","Description":"<h5 class='system-title'>For iPad 9.7 (2018) / 9.7 (2017) Tri-fold Leather Cover Smart Case Stand - Rose Gold</h5>\n<div class='system-intro'></div>\n<div class='system-description'><ul class='sales-points'>\r\n<li>Tri-fold cover offers sturdy and versatile stand for viewing and typing</li>\n<li>Smart wake up and sleep function, saving power</li>\n<li>Provide full body protection against scratches</li>\n<li>Full accessibility to ports and buttons</li>\n</ul>\r\n</div>\n","ProductStatus":1,"WithPackage":0,"Reminder":null,"MOQ":1,"IsSpecialOffer":false,"Price":3.87,"OriginalPrice":3.8700,"PriceList":[{"MinimumQuantity":1,"UnitPrice":3.87},{"MinimumQuantity":3,"UnitPrice":3.76},{"MinimumQuantity":12,"UnitPrice":3.59},{"MinimumQuantity":30,"UnitPrice":3.44},{"MinimumQuantity":60,"UnitPrice":3.34}],"SpecificationList":[{"Name":"Case Feature","Value":"Auto wake & sleep"},{"Name":"Case Feature","Value":"With Stand"},{"Name":"Color","Value":"Rose Gold"},{"Name":"Material","Value":"Plastic"},{"Name":"Material","Value":"PU Leather"},{"Name":"Retail Packaging","Value":"Simple PP Bag"},{"Name":"Texture","Value":"Litchi"}],"LeadTime":"1 - 3 days","GrossWeight":0.245280,"VolumeWeight":0.15041331200000,"Length":24.4000,"Width":17.2000,"Height":1.6000,"CompatibleList":["iPad 9.7-inch (2017)","iPad 9.7-inch (2018)"],"Modified":"2020-06-04T10:49:32Z","Added":"2017-03-25T17:41:23Z","StockStatus":2,"CacheTime":"2020-07-10T08:58:05.9969768Z"},{"ItemNo":"10117433H","EanCode":"","CategoryCode":"C003700020003","Name":"Tri-fold Stand Smart Leather Protective Case for iPad 9.7 (2018) / 9.7 (2017) - Gold","Summary":"","Description":"<h5 class='system-title'>Tri-fold Stand Smart Leather Protective Case for iPad 9.7 (2018) / 9.7 (2017) - Gold</h5>\n<div class='system-intro'></div>\n<div class='system-description'><ul class='sales-points'>\r\n<li>Tri-fold cover offers sturdy and versatile stand for viewing and typing</li>\n<li>Smart wake up and sleep function, saving power</li>\n<li>Provide full body protection against scratches</li>\n<li>Full accessibility to ports and buttons</li>\n</ul>\r\n</div>\n","ProductStatus":1,"WithPackage":0,"Reminder":null,"MOQ":1,"IsSpecialOffer":false,"Price":3.87,"OriginalPrice":3.8700,"PriceList":[{"MinimumQuantity":1,"UnitPrice":3.87},{"MinimumQuantity":3,"UnitPrice":3.76},{"MinimumQuantity":12,"UnitPrice":3.59},{"MinimumQuantity":30,"UnitPrice":3.44},{"MinimumQuantity":60,"UnitPrice":3.34}],"SpecificationList":[{"Name":"Case Feature","Value":"Auto wake & sleep"},{"Name":"Case Feature","Value":"With Stand"},{"Name":"Color","Value":"Gold"},{"Name":"Material","Value":"Plastic"},{"Name":"Material","Value":"PU Leather"},{"Name":"Retail Packaging","Value":"Simple PP Bag"},{"Name":"Texture","Value":"Litchi"}],"LeadTime":"1 - 3 days","GrossWeight":0.245280,"VolumeWeight":0.15041331200000,"Length":24.4000,"Width":17.2000,"Height":1.6000,"CompatibleList":["iPad 9.7-inch (2017)","iPad 9.7-inch (2018)"],"Modified":"2020-06-04T10:49:32Z","Added":"2017-03-25T17:41:23Z","StockStatus":2,"CacheTime":"2020-07-10T08:58:06.0126547Z"},{"ItemNo":"10117433I","EanCode":"","CategoryCode":"C003700020003","Name":"For iPad 9.7 (2018) / 9.7 (2017) Tri-fold Leather Stand Case Smart Cover - Green","Summary":"","Description":"<h5 class='system-title'>For iPad 9.7 (2018) / 9.7 (2017) Tri-fold Leather Stand Case Smart Cover - Green</h5>\n<div class='system-intro'></div>\n<div class='system-description'><ul class='sales-points'>\r\n<li>Tri-fold cover offers sturdy and versatile stand for viewing and typing</li>\n<li>Smart wake up and sleep function, saving power</li>\n<li>Provide full body protection against scratches</li>\n<li>Full accessibility to ports and buttons</li>\n</ul>\r\n</div>\n","ProductStatus":1,"WithPackage":0,"Reminder":null,"MOQ":1,"IsSpecialOffer":false,"Price":3.87,"OriginalPrice":3.8700,"PriceList":[{"MinimumQuantity":1,"UnitPrice":3.87},{"MinimumQuantity":3,"UnitPrice":3.76},{"MinimumQuantity":12,"UnitPrice":3.59},{"MinimumQuantity":30,"UnitPrice":3.44},{"MinimumQuantity":60,"UnitPrice":3.34}],"SpecificationList":[{"Name":"Case Feature","Value":"Auto wake & sleep"},{"Name":"Case Feature","Value":"With Stand"},{"Name":"Color","Value":"Green"},{"Name":"Material","Value":"Plastic"},{"Name":"Material","Value":"PU Leather"},{"Name":"Retail Packaging","Value":"Simple PP Bag"},{"Name":"Texture","Value":"Litchi"}],"LeadTime":"1 - 3 days","GrossWeight":0.245280,"VolumeWeight":0.15041331200000,"Length":24.4000,"Width":17.2000,"Height":1.6000,"CompatibleList":["iPad 9.7-inch (2017)","iPad 9.7-inch (2018)"],"Modified":"2020-06-04T10:49:32Z","Added":"2017-03-25T17:41:23Z","StockStatus":2,"CacheTime":"2020-07-10T08:58:06.0282335Z"},{"ItemNo":"10117433J","EanCode":"","CategoryCode":"C003700020003","Name":"Tri-fold Stand Leather Smart Case Accessory for iPad 9.7 (2018) / 9.7 (2017) - Baby Blue","Summary":"","Description":"<h5 class='system-title'>Tri-fold Stand Leather Smart Case Accessory for iPad 9.7 (2018) / 9.7 (2017) - Baby Blue</h5>\n<div class='system-intro'></div>\n<div class='system-description'><ul class='sales-points'>\r\n<li>Tri-fold cover offers sturdy and versatile stand for viewing and typing</li>\n<li>Smart wake up and sleep function, saving power</li>\n<li>Provide full body protection against scratches</li>\n<li>Full accessibility to ports and buttons</li>\n</ul>\r\n</div>\n","ProductStatus":1,"WithPackage":0,"Reminder":null,"MOQ":1,"IsSpecialOffer":false,"Price":3.87,"OriginalPrice":3.8700,"PriceList":[{"MinimumQuantity":1,"UnitPrice":3.87},{"MinimumQuantity":3,"UnitPrice":3.76},{"MinimumQuantity":12,"UnitPrice":3.59},{"MinimumQuantity":30,"UnitPrice":3.44},{"MinimumQuantity":60,"UnitPrice":3.34}],"SpecificationList":[{"Name":"Case Feature","Value":"Auto wake & sleep"},{"Name":"Case Feature","Value":"With Stand"},{"Name":"Color","Value":"Baby Blue"},{"Name":"Material","Value":"Plastic"},{"Name":"Material","Value":"PU Leather"},{"Name":"Retail Packaging","Value":"Simple PP Bag"},{"Name":"Texture","Value":"Litchi"}],"LeadTime":"1 - 3 days","GrossWeight":0.245280,"VolumeWeight":0.15041331200000,"Length":24.4000,"Width":17.2000,"Height":1.6000,"CompatibleList":["iPad 9.7-inch (2017)","iPad 9.7-inch (2018)"],"Modified":"2020-06-04T10:49:32Z","Added":"2017-03-25T17:41:22Z","StockStatus":2,"CacheTime":"2020-07-10T08:58:06.0438175Z"},{"ItemNo":"10117433K","EanCode":"","CategoryCode":"C003700020003","Name":"For iPad 9.7 (2018) / 9.7 (2017) Smart Leather Case Tri-fold Stand Cover - Dark Blue","Summary":"","Description":"<h5 class='system-title'>For iPad 9.7 (2018) / 9.7 (2017) Smart Leather Case Tri-fold Stand Cover - Dark Blue</h5>\n<div class='system-intro'></div>\n<div class='system-description'><ul class='sales-points'>\r\n<li>Tri-fold cover offers sturdy and versatile stand for viewing and typing</li>\n<li>Smart wake up and sleep function, saving power</li>\n<li>Provide full body protection against scratches</li>\n<li>Full accessibility to ports and buttons</li>\n</ul>\r\n</div>\n","ProductStatus":1,"WithPackage":0,"Reminder":null,"MOQ":1,"IsSpecialOffer":false,"Price":3.87,"OriginalPrice":3.8700,"PriceList":[{"MinimumQuantity":1,"UnitPrice":3.87},{"MinimumQuantity":3,"UnitPrice":3.76},{"MinimumQuantity":12,"UnitPrice":3.59},{"MinimumQuantity":30,"UnitPrice":3.44},{"MinimumQuantity":60,"UnitPrice":3.34}],"SpecificationList":[{"Name":"Case Feature","Value":"Auto wake & sleep"},{"Name":"Case Feature","Value":"With Stand"},{"Name":"Color","Value":"Dark Blue"},{"Name":"Material","Value":"Plastic"},{"Name":"Material","Value":"PU Leather"},{"Name":"Retail Packaging","Value":"Simple PP Bag"},{"Name":"Texture","Value":"Litchi"}],"LeadTime":"1 - 3 days","GrossWeight":0.245280,"VolumeWeight":0.15041331200000,"Length":24.4000,"Width":17.2000,"Height":1.6000,"CompatibleList":["iPad 9.7-inch (2017)","iPad 9.7-inch (2018)"],"Modified":"2020-06-04T10:49:32Z","Added":"2017-03-25T17:41:22Z","StockStatus":2,"CacheTime":"2020-07-10T08:58:06.0594465Z"},{"ItemNo":"10117433L","EanCode":"","CategoryCode":"C003700020003","Name":"For iPad 9.7 (2018) / 9.7 (2017) Tri-fold Leather Smart Case with Stand - Purple","Summary":"","Description":"<h5 class='system-title'>For iPad 9.7 (2018) / 9.7 (2017) Tri-fold Leather Smart Case with Stand - Purple</h5>\n<div class='system-intro'></div>\n<div class='system-description'><ul class='sales-points'>\r\n<li>Tri-fold cover offers sturdy and versatile stand for viewing and typing</li>\n<li>Smart wake up and sleep function, saving power</li>\n<li>Provide full body protection against scratches</li>\n<li>Full accessibility to ports and buttons</li>\n</ul>\r\n</div>\n","ProductStatus":1,"WithPackage":0,"Reminder":null,"MOQ":1,"IsSpecialOffer":false,"Price":3.87,"OriginalPrice":3.8700,"PriceList":[{"MinimumQuantity":1,"UnitPrice":3.87},{"MinimumQuantity":3,"UnitPrice":3.76},{"MinimumQuantity":12,"UnitPrice":3.59},{"MinimumQuantity":30,"UnitPrice":3.44},{"MinimumQuantity":60,"UnitPrice":3.34}],"SpecificationList":[{"Name":"Case Feature","Value":"Auto wake & sleep"},{"Name":"Case Feature","Value":"With Stand"},{"Name":"Color","Value":"Purple"},{"Name":"Material","Value":"Plastic"},{"Name":"Material","Value":"PU Leather"},{"Name":"Retail Packaging","Value":"Simple PP Bag"},{"Name":"Texture","Value":"Litchi"}],"LeadTime":"1 - 3 days","GrossWeight":0.245280,"VolumeWeight":0.15041331200000,"Length":24.4000,"Width":17.2000,"Height":1.6000,"CompatibleList":["iPad 9.7-inch (2017)","iPad 9.7-inch (2018)"],"Modified":"2020-06-04T10:49:32Z","Added":"2017-03-25T17:41:22Z","StockStatus":2,"CacheTime":"2020-07-10T08:58:06.0750722Z"},{"ItemNo":"10117433M","EanCode":"","CategoryCode":"C003700020003","Name":"For iPad 9.7 (2018) / 9.7 (2017) Tri-fold Stand Leather Cover Smart Case - Brown","Summary":"","Description":"<h5 class='system-title'>For iPad 9.7 (2018) / 9.7 (2017) Tri-fold Stand Leather Cover Smart Case - Brown</h5>\n<div class='system-intro'></div>\n<div class='system-description'><ul class='sales-points'>\r\n<li>Tri-fold cover offers sturdy and versatile stand for viewing and typing</li>\n<li>Smart wake up and sleep function, saving power</li>\n<li>Provide full body protection against scratches</li>\n<li>Full accessibility to ports and buttons</li>\n</ul>\r\n</div>\n","ProductStatus":1,"WithPackage":0,"Reminder":null,"MOQ":1,"IsSpecialOffer":false,"Price":3.87,"OriginalPrice":3.8700,"PriceList":[{"MinimumQuantity":1,"UnitPrice":3.87},{"MinimumQuantity":3,"UnitPrice":3.76},{"MinimumQuantity":12,"UnitPrice":3.59},{"MinimumQuantity":30,"UnitPrice":3.44},{"MinimumQuantity":60,"UnitPrice":3.34}],"SpecificationList":[{"Name":"Case Feature","Value":"Auto wake & sleep"},{"Name":"Case Feature","Value":"With Stand"},{"Name":"Color","Value":"Brown"},{"Name":"Material","Value":"Plastic"},{"Name":"Material","Value":"PU Leather"},{"Name":"Retail Packaging","Value":"Simple PP Bag"},{"Name":"Texture","Value":"Litchi"}],"LeadTime":"1 - 3 days","GrossWeight":0.245280,"VolumeWeight":0.15041331200000,"Length":24.4000,"Width":17.2000,"Height":1.6000,"CompatibleList":["iPad 9.7-inch (2017)","iPad 9.7-inch (2018)"],"Modified":"2020-06-04T10:49:32Z","Added":"2017-03-25T17:41:21Z","StockStatus":2,"CacheTime":"2020-07-10T08:58:06.0906936Z"}]}

# Get status of a list of products

## Request Url: /OpenApi/Product/Status

## Parameter required

|  |  |  |
| --- | --- | --- |
| parameter | E.g | note |
| itemNos | 10020320A,I6-640A,87070130A | itemNo separated by comma, no more than **50** itemNos |

## Return result illustrations

|  |  |  |
| --- | --- | --- |
| parameter | type | note |
|  | array | keys: SKU, StockStatus and ProductStatus. Please check [status](#status) section for more details. |

## Example code

curl --silent --header "Authorization:TVC $AuthorizationToken" http://openapi.tvc-mall.com/product/Status?itemNos=10020320A,I6-640A,87070130A

## [{"SKU":"10020320A","StockStatus":4,"ProductStatus":2},{"SKU":"I6-640A","StockStatus":4,"ProductStatus":2},{"SKU":"87070130A","StockStatus":4,"ProductStatus":2}]

# Download the images of the specified product

## Request Url: /OpenApi/Product/Image

**Scenseimage：**/OpenApi/Product/ScenseimageImage

## Parameter required

|  |  |  |
| --- | --- | --- |
| **parameter** | **Eg.** | **illustration** |
| ItemNo | 10000007A | unique item identification |
| Size | 1000x1000 | Required. Images size that can download:500x500, or 1000x1000 |

## Return result illustrations

|  |  |  |
| --- | --- | --- |
| **parameter** | **type** | **illustration** |
| Code | String | return code |
| Message | String | return message |
| ImageUrl | String | return image URL |

## Images generating mechanism

When API request generating images with watermark for the first time, system will start generating and packing the images as per requested specification (ie.: 500x500, or 1000x1000) if the images have not generated before. Also, system will indicates user that the images are still being generated.

User can send his request to download images in original path after waiting for about 1 minute. If images generated successfully, the server will return the images path, if not, it will return generating message which means you need to wait and try 1 minutes later. The results are as followings,

1. if images have not generated yet, will return result as the following:
* {
 "Code": 300,
 "Message": "Images not generate completed,try again later.",
 "ImageUrl":""
 }
1. if imagess have generated successfully, will return result as the following:
* {
 "Code": 100,
 "Message": "Images generated success.",
 "ImageUrl": "http://www.tvc-mall.com/userImages/3c55bdda8f39468c87500000309a5ed0/10000007A\_500x500.zip"
 }

## Example Code

### Get the 1000x1000 image download address of 10000007A

curl --silent --header "Authorization:TVC $AuthorizationToken" http://openapi.tvc-mall.com//OpenApi/Product/Image?ItemNo=10000007A\&Size=1000x1000 | python3 -m json.tool

## {
## "Code": 100,
## "Message": "Images generated success.",
## "ImageUrl": "https://tvc-image-package.s3.amazonaws.com/openapi/image-packages/90bd3663-09fe-479f-bc10-bdd970c90b53/10000007A\_1000x1000.zip?AWSAccessKeyId=AKIAISVSACVYAEGQOMIQ&Expires=1594976288&Signature=YMH%2F1h6SZcdhI91Fm7sCTOduDpM%3D"
## }

# Create order

## Request Url: /order/add

## Parameter required: post

## Return result illustrations

|  |  |  |
| --- | --- | --- |
| **parameter** | **type** | **note** |
| Success | Bool | status |
| OrderID | String | order number |
| Currency | String | currency. Eg. “USD”, |
| Items | Array | items(sku) added successfully |
| FailedItems | Array | items(sku) failed to add |

## Parameter example in JSON

{
skus:"4444444\*7,55555555\*2", //Fomart:<SKU>\*<Quantity>, separated by comma
currencycode:"USD", //currency
language:"en"//language
}

# Shipping Calculation

## Request Url: /order/shippingcost

## Parameter required: postParameter required

|  |  |  |
| --- | --- | --- |
| **parameter** | **Eg.** | **illustration** |
| skuinfo | 660402384A\*1,103517137A\*2 | Required. concatenate sku and quantity string |
| countrycode | US | Required. optional values are at the bottom of the document [Country code and name] |
| shippingmethodcode | EUDDP  | Optional. shipping method code, The optional values are as follows:EUDDP : YunExpressBUFFALO: Buffalo |

## Return result illustrations

|  |  |  |
| --- | --- | --- |
| **parameter** | **type** | **note** |
| Success | Bool | status |
| Currency | String | ship cost currency. Eg. “USD” |
| CountryCode | String | country code. Eg.”FR” |
| Shippings | Array | shipping method list. Eg[ { "ShippingMethodCode": "EUDDP", "ShippingMethod": "YunExpress", "ShippingCost": 5.29, "DeliveryCycle": "10-16 business days" }, { "ShippingMethodCode": "BUFFALO", "ShippingMethod": "BUFFALO", "ShippingCost": 6.01, "DeliveryCycle": "7-15 business days" } ] |
| Reason | String | detail error message.Eg.”Sorry, no freight was found.” |

## Parameter example in JSON

{
"skuinfo":"660402384A\*1,103517137A\*2",
"countrycode":"US",
"shippingmethodcode":""
}

# Search products with specific main category

## Request Url: /openapi/Product/SearchWithMailCatelog

## Parameter available

|  |  |  |
| --- | --- | --- |
| parameter | Eg. | note |
| categoryCode | C003700020003 | The Code of the category, which you want to search the products within, optional |
| status | 1 | if status <=3 –> ProductStatus = 1; 4 –> ProductStatus > 1 |
| manufacturer | IPAD | The Manufacturer of the products you want to fetch, optional |
| ModifiedStart | 10/31/2014 | To fetch the products ever changed since ’GmtModifiedStart’, in the format of MM/dd/yyyy |
| ~~pageIndex~~ | 1 | Deprecated; The page number, default set to 1 |
| pageSize | 50 | The array size of the products returned, default set to 40, max is 100 |
| lastProductId | 1353032 | Required for all request but the first one. The biggest ProductId you get in previous request. We strongly suggest you add this to improve the speed of response time. [Check more details in Appendix](#single-thread). |

There is a subtle difference with regard to search and searchwithmailcatelog api. searchwithmailcatelog is used to search the main category.

One product may belong to multiple categories. One of these categories is the main category.

## Example Code

### Search products which main category is C003700020003

curl --silent --header "Authorization:TVC $AuthorizationToken" http://openapi.tvc-mall.com/Product/SearchWithMailCatelog?categoryCode=C003700020003\&pageSize=2 | python3 -m json.tool

## {
## "ProductItemNoList": [
## {
## "ItemNo": "101111197J",
## "ProductId": 1635413,
## "CatalogCode": "C003700020003",
## "ProductStatus": 1,
## "PublishDate": "2019-12-26T09:35:39Z",
## "StockStatus": 4,
## "Modified": "2020-07-06T09:51:07Z"
## },
## {
## "ItemNo": "101111197I",
## "ProductId": 1635412,
## "CatalogCode": "C003700020003",
## "ProductStatus": 1,
## "PublishDate": "2019-12-26T09:35:37Z",
## "StockStatus": 4,
## "Modified": "2020-07-06T09:51:07Z"
## }
## ],
## "Total": 0,
## "pageIndex": 1,
## "pageSize": 2,
## "lastProductId": 1635412
## }

# Get order information

## Example Code

curl --silent --header "Authorization:TVC $AuthorizationToken" http://openapi.tvc-mall.com/Order/Info?orderid=V16031000126

## {"OrderID":"V16031000126","Currency":{"CurrencyCode":"USD","CurrencyName":"USD","FormatString":"$ {0:0.00}","Format2String":"USD {0:0.00}","Format3String":"USD - $ {0:0.00}","Symbol":"$","Symbol2":"USD","Symbol3":"USD - $"},"OriginalAmount":103.6,"DiscountedAmount":101.59,"Items":[{"SKU":"10990018A","Name":"Milanese Stainless Steel Watchband Wristband for Apple Watch Series 5 / 4 44mm / Series 3 / 2 / 1 42mm - Black","UnitPrice":14.68,"OriginalPrice":3.97,"Quantity":1,"Subtotal":14.68},{"SKU":"10990018B","Name":"Milanese Stainless Steel Watchband Wristband for Apple Watch Series 5 / 4 44mm / Series 3 / 2 / 1 42mm - Silver Color","UnitPrice":14.68,"OriginalPrice":3.11,"Quantity":1,"Subtotal":14.68},{"SKU":"11000017B","Name":"5PCS/lot Charging Cable Protector Saver Lightning Saver for iPhone 6 Plus 6 5s 5 - Red","UnitPrice":1.13,"OriginalPrice":0.92,"Quantity":5,"Subtotal":5.65},{"SKU":"11210022A","Name":"Plastic Displaying Stand Holder Mount for Apple Watch - Black","UnitPrice":1.93,"OriginalPrice":1.93,"Quantity":1,"Subtotal":1.93},{"SKU":"11240061A","Name":"Replacement Metal Band Axle Connector Clasp for Apple Watch 38mm Series 3 Series 1 Series 2","UnitPrice":5.66,"OriginalPrice":3.16,"Quantity":1,"Subtotal":5.66},{"SKU":"11240062A","Name":"Replacement Metal Band Axle Connector Clasp for Apple Watch Series 5 4 44mm / Series 3 / 2 / 1 42mm","UnitPrice":3.84,"OriginalPrice":1.3,"Quantity":1,"Subtotal":3.84},{"SKU":"11240085A","Name":"BASEUS Fresh Color Series Wristband Watch Band for Apple Watch Series 2 Series 1 38mm - Black","UnitPrice":10.84,"OriginalPrice":10.36,"Quantity":1,"Subtotal":10.84},{"SKU":"11240090A","Name":"Replacement Metal Band Axle Connector Clasp for Apple Watch Series 5 4 40mm, Series 3 / 2 / 1 38mm - Silver Color","UnitPrice":4.35,"OriginalPrice":1.52,"Quantity":1,"Subtotal":4.35},{"SKU":"11240091A","Name":"Replacement Metal Band Axle Connector Clasp for Apple Watch Series 5 / 4 44mm / Series 3 / 2 / 1 42mm - Silver Color","UnitPrice":4.35,"OriginalPrice":1.52,"Quantity":2,"Subtotal":8.7},{"SKU":"11240144A","Name":"HOCO High-end Stainless Steel Watchband Wristband for Apple Watch 42mm Series 3 / 2 / 1 (3 pointers) - Grey","UnitPrice":30.55,"OriginalPrice":19.78,"Quantity":1,"Subtotal":30.55},{"SKU":"IPHONE-4-7056","Name":"3.5 mm Male to Female Stereo Audio Extension Cable for iPhone 4 (Length:1.04m)","UnitPrice":0.71,"OriginalPrice":0.74,"Quantity":1,"Subtotal":0.71}]}

# Appendix

## Limitation of concurrent request

We don’t receive concurrent request from the same user.

Please send the next request to OPEN API only after you get the return result of the previous request.

Please make sure you are in single thread mode.

To improve the speed of response time, we add a parameter called lastProductId to /OpenApi/Product/Search and /openapi/Product/SearchWithMailCatelog.

**You must provide lastProductId in the second and later request, or you may get incomplete result or error.**

## Example of using the lastProductId parameter

curl --silent --header "Authorization:TVC $AuthorizationToken" http://openapi.tvc-mall.com/OpenApi/Product/Search?ModifiedStart=2018-11-18\&PageSize=2 | python3 -m json.tool

## {
## "ProductItemNoList": [
## {
## "ProductId": 1722507,
## "ItemNo": "681200101B",
## "CatalogCode": "C00670005",
## "ProductStatus": 1,
## "PublishDate": "2020-07-10T08:21:46Z",
## "StockStatus": 2,
## "Modified": "2020-07-10T08:50:44Z"
## },
## {
## "ProductId": 1722506,
## "ItemNo": "681200101A",
## "CatalogCode": "C00670005",
## "ProductStatus": 1,
## "PublishDate": "2020-07-10T08:21:44Z",
## "StockStatus": 2,
## "Modified": "2020-07-10T08:50:44Z"
## }
## ],
## "Total": 0,
## "pageIndex": 1,
## "pageSize": 2,
## "lastProductId": 1722506,
## "QueryTime": "00:00:00.5178143"
## }

lastProductId=`curl --silent --header "Authorization:TVC $AuthorizationToken" http://openapi.tvc-mall.com/OpenApi/Product/Search?ModifiedStart=2018-11-18\&PageSize=2 | grep -o -E 'lastProductId":[0-9]\*' | cut -d : -f2`
curl --silent --header "Authorization:TVC $AuthorizationToken" http://openapi.tvc-mall.com/OpenApi/Product/Search?ModifiedStart=2018-11-18\&PageSize=2\&lastproductid=$lastProductId | python3 -m json.tool

## {
## "ProductItemNoList": [
## {
## "ProductId": 1721376,
## "ItemNo": "101228572C",
## "CatalogCode": "C003700130338",
## "ProductStatus": 1,
## "PublishDate": "2020-07-09T10:33:10Z",
## "StockStatus": 2,
## "Modified": "2020-07-09T11:00:59Z"
## },
## {
## "ProductId": 1721375,
## "ItemNo": "101228572B",
## "CatalogCode": "C003700130338",
## "ProductStatus": 1,
## "PublishDate": "2020-07-09T10:33:09Z",
## "StockStatus": 2,
## "Modified": "2020-07-09T11:00:59Z"
## }
## ],
## "Total": 0,
## "pageIndex": 1,
## "pageSize": 2,
## "lastProductId": 1721375,
## "QueryTime": "00:00:00.5171003"
## }

NOTE: You have to use lastProductId for pagination.

## Simple explanation about some values

Here is a simple explanation for some words we use in OPEN API. It is not rigorous.

|  |  |
| --- | --- |
| **Value Names** | **Explanation** |
| ItemNo | usually some numbers and a upper case letter. Used to represent a item. Also called SKU |
| CategoryCode | refer to a category. We have about 3 levels of categories. Sometimes we may modify category. |
| Name | The name of the item. ie., the title |
| Summary | It seems to be deprecated. You can just ignore it. |
| Description | It is a text that describes the item. Our editor write it. |
| WithPackage | whether the item has a package or not |
| Reminder | a supplement to the description. Only a few of items has this section. It is especially used to tell the buyer some uncertainties and cautions. |
| MOQ | the minimum order quantity |
| IsSpecialOffer | whether there are discounts or something equivalents |
| Price | the current unit price |
| OriginalPrice | the original unit price |
| PriceList | usually 5 prices correspond to 5 quantities intervals |
| SpecificationList | The structured properties of this product. |
| LeadTime | the time it takes to prepare goods |
| GrossWeight | the total weight of this item |
| VolumeWeight | the product of length, width and height divided by a constant |
| CompatibleList | a list of phone or tablet model that it is compatible with |
| Modified | the latest time we change any information of this item |
| Added | the time we first add it to our website |

## About SpecificationList

Every item has its features. We have a lot of items in our website. We want to describe every item correctly. All items shared some common attribute names, for example, length, width, height, etc. And items have their own special attribute names too, for example, only some item have *Voltage* attribute. In other words, it is the similarity and dissimilarity of their attribute names.

We say a product have two parts of attribute names. The shared attribute names can be called normal field. The special attribute names is called structured property.

If you view a product of our website, you will see a *Specifications* table. It is composed by structured property and normal field.

If you get detail of a SKU in OPEN API, you will find the SpecificationList section. It is same as the structured property.

Our editor edit the structured properties in their every work. Some structured properties may become locked (deprecated) in the future. And new structured properties may be added in the future too.

## The Performance limitation of OPEN API

Our server can only handle at most 10 request at the same time. If more than 10 requests comes in, it may return 503.

## Tips for Update product information

1. Get the products (SKUs) that was modified after a certain time from OPEN API
2. Get the products’ information (price, status) from OPEN API
3. Update the products’ information in your site

## Status

There are two types of status.

* ProductStatus. It implys whether we want to sell it or not. (We make the decision)
* StockStatus. It implys whether the product is available from our supplier or not. (Our Supplier make the decision)

### Detail.ProductStatus(/OpenApi/Product/Detail)

1. **Normal**. It is on the shelf and you see it when shopping.
2. **Out of Stock**. It is off the shelf and you will not see it.
3. **Locked**. We don’t want to sell it anymore. (Low quality, Compliance and Company policy etc.)
4. **Pre-sold**.
5. **Group-buy**.

This status is same as what you see on our website. It’s specific to the website.

You should rely on this status if you want to determine whether to put a product in your website.

### Detail.StockStatus(/OpenApi/Product/Detail) and Status(/OpenApi/Product/Search)

1. **In stock**. There are some in our warehouse (Inventory).
2. **on sale**. It is available from our supplier.
3. **In shortage**. It’s temporary not available from our supplier.
4. **out of stock**. No such items from our supplier.
5. **5-7 Days**. It takes about five to seven days to get it from our supplier.
6. **7-10 Days**. It takes about seven to twelve days to get it from our supplier.

The stock status imply whether the product is available from our supplier or not.

### Additional question about status.

**QUESTION**: Is it possible to buy product *In shortage* if it is just available on our website (i.e., ProductStatus is normal) at that time?

**ANSWER**: You can ask your sales manager if you want to make sure about such a specific SKU.

You may buy it in theory. There are two possibilities:

1. We’ll change the product status soon, i.e., it will not be available in the website soon.
2. You can buy it. But you may need to wait more time.

### Country code and name.

Code Name

AD Andorra

AE The United Arab Emirates

AF Afghanistan

AG Antigua and Barbuda

AI Anguilla

AL Albania

AM Armenia

AO Angola

AR Argentina

AS American Samoa

AT Austria

AU Australia

AW Aruba

AX Aland Island (Finland)

AZ Azerbaijan

BA Bosnia & Herzegovina

BB Barbados

BD Bangladesh

BE Belgium

BF Burkina Faso

BG Bulgaria

BH Bahrain

BI Burundi

BJ Benin

BM Bermuda

BN Brunei

BO Bolivia

BQ Bonaire

BR Brazil

BS Bahamas

BT Bhutan

BW Botswana

BY Belarus

BZ Belize

C3 Campione/ Lake Lugano (Italy) \*

CA Canada

CD Congo (The Democratic )

CF Central African Republic

CG Congo (Brazzaville)

CH Switzerland

CI Cote D'lvoire(Ivory Coast)

CK Cook Islands

CL Chile

CM Cameroon

CN China

CO Colombia

CR Costa Rica

CU Cuba

CV Cape Verde

CY Cyprus

CZ Czech Republic

DE Germany

DJ Djibouti

DK Denmark

DM Dominica

DO Dominican Republic

DZ Algeria

EC Ecuador

EE Estonia

EG Egypt

ER Eritrea

ES Spain

ET Ethiopia

FI Finland

FJ Fiji

FK Falkland Island

FM Micronesia

FO Faeroe Islands

FR France

GA Gabon

GB United Kingdom

GD Grenada

GE Georgia

GF French Guiana

GG Guernsey(Channel Islands)

GH Ghana

GI Gibraltar

GL Greenland

GM Gambia

GN Guinea

GP Guadeloupe

GQ Equatorial Guinea

GR Greece

GT Guatemala

GU Guam

GW Guinea-Bissau

GY Guyana

HK Hong Kong

HN Honduras

HR Croatia

HT Haiti

HU Hungary

ID Indonesia

IE Ireland

IL Israel

IN India

IQ Iraq

IR Iran

IS Iceland

IT Italy

JE Jersey(Channel Islands)

JM Jamaica

JO Jordan

JP Japan

KE Kenya

KG Kyrgyzstan

KH Cambodia

KI Kiribati

KM Comoros

KP Korea, North

KR Korea

KW Kuwait

KY Cayman Islands

KZ Kazakhstan

L1 Livigno (Italy)

LA Laos

LB Lebanon

LC St Lucia

LI Liechtenstein(Switzerland)

LK Sri Lanka

LR Liberia

LS Lesotho

LT Lithuania

LU Luxembourg

LV Latvia

LY Libyan

M2 Mount Athos ( Greece)

MA Morocco

MC Monaco

MD Moldova

ME Montenegro

MG Madagascar

MH Marshall Island

MK Macedonia

ML Mali

MM Myanmar

MN Mongolia

MO Macao

MQ Martinique

MR Mauritania

MS Montserrat

MT Malta

MU Mauritius

MV Maldives

MW Malawi

MX Mexico

MY Malaysia

MZ Mozambique

NA Namibia

NC New Caledonia

NE Niger

NF Norfolk Island(Australia)

NG Nigeria

NI Nicaragua

NL Netherlands

NO Norway

NP Nepal

NR Nauru

NU Niue

NZ New Zealand

OM Oman

PA Panama

PE Peru

PF French Polynesia

PG Papua New Guinea

PH Philippines

PK Pakistan

PL Poland

PR Puerto Rico

PS Palestine

PT Portugal

PW Palau

PY Paraguay

QA Qatar

RE Reunion Island

RO Romania

RS Serbia

RU Russia

RW Rwanda

SA Saudi Arabia

SB Solomon Islands

SC Seychelles

SD Sudan

SE Sweden

SG Singapore

SI Slovenia

SK Slovakia

SL Sierra Leone

SM San Marino

SN Senegal

SO Somaliland

SR Suriname

ST Sao Tome and Principe

SV Salvador

SY Syria

SZ Swaziland

TC Turks And Caicos Islands

TD Chad

TG Togo

TH Thailand

TJ Tajikistan

TL Timor Leste

TM Turkmenistan

TN Tunisia

TO Tonga

TR Turkey

TT Trinidad & Tobago

TV Tuvalu

TW Taiwan

TZ Tanzania

UA Ukraine

UG Uganda

US United States

UY Uruguay

UZ Uzbekistan

VA Vatican City(Italy)

VE Venezuela

VG British Virgin Islands 1

VI United States Virgin Islands

VN Vietnam

VU Vanuatu

WF Wallis and Futuna

WS Samoa

XA Canary Island(Spain)

XO Kosovo

YE Yemen

YT Mayotte

YU Yugoslavia

ZA South Africa

ZM Zambia

ZW Zimbabwe