# General Commodity Selection Interface API Documentation

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## Interface Overview

**Interface Name:** GeneralCommoditySelectionInterface

This interface provides comprehensive commodity selection functionality, supporting both public (guest) and authenticated user access modes. It includes methods for querying hot-selling products, paginated product lists, and detailed product information.

## API Methods

### 1. Hot Products Query - Public

**Method Name:** 查询热销商品列表-游客 (Query Hot Products List - Guest)  
**English Method Name:** getHotCommoditysPublic  
**Access Level:** Public (No authentication required)

#### Input Parameters

| Parameter | Type | Required | Description |
| --- | --- | --- | --- |
| shopId | String | Yes | Shop ID |

#### Output Parameters

| Parameter | Type | Description |
| --- | --- | --- |
| commodityId | String | Product ID |
| picture | String | Product image URL |
| productName | String | Product name |
| guidePrice | Decimal | Sales guide price |
| salesOrganization | String | Sales organization |

#### Example Request

{  
 "shopId": "12345"  
}

#### Example Response

{  
 "data": [  
 {  
 "commodityId": "PROD001",  
 "picture": "https://example.com/product1.jpg",  
 "productName": "Premium Motor Oil",  
 "guidePrice": 299.99,  
 "salesOrganization": "North Sales Division"  
 }  
 ]  
}

### 2. Hot Products Query - Authenticated

**Method Name:** 查询热销商品列表-登录不鉴权 (Query Hot Products List - Authenticated No Authorization)  
**English Method Name:** getHotCommoditysAuth  
**Access Level:** Authenticated (Login required, no specific authorization)

#### Input Parameters

| Parameter | Type | Required | Description |
| --- | --- | --- | --- |
| shopId | String | Yes | Shop ID |

#### Output Parameters

| Parameter | Type | Description |
| --- | --- | --- |
| commodityId | String | Product ID |
| productPicture | String | Product image URL |
| productName | String | Product name |
| guidePrice | Decimal | Sales guide price |
| salesOrganization | String | Sales organization |

#### Example Request

{  
 "shopId": "12345"  
}

#### Example Response

{  
 "data": [  
 {  
 "commodityId": "PROD001",  
 "productPicture": "https://example.com/product1.jpg",  
 "productName": "Premium Motor Oil",  
 "guidePrice": 299.99,  
 "salesOrganization": "North Sales Division"  
 }  
 ]  
}

### 3. Product Page Query - Public

**Method Name:** 查询商品分页列表-游客 (Query Product Page List - Guest)  
**English Method Name:** getCommodityPagePublic  
**Access Level:** Public (No authentication required)

#### Input Parameters

| Parameter | Type | Required | Description |
| --- | --- | --- | --- |
| current | Integer | Yes | Current page number |
| size | Integer | Yes | Number of items per page |
| sortType | Integer | Yes | Sort type: 0=Comprehensive, 1=Price Ascending, 2=Price Descending, 3=Sales Volume |
| commodityLineId | String | No | Product line ID (null for all) |
| middleCategoryId | String | No | Middle category ID (null for all) |
| minCategoryId | String | No | Sub category ID (null for all) |
| businessLineType | Integer | No | Business line type: 0=Lubricant, 1=Fuel, etc. |
| appIndustryId | String | No | Application industry ID |

#### Output Parameters

**Pagination Information:** | Parameter | Type | Description | |———–|——|————-| | pageNo | Integer | Current page number | | pageSize | Integer | Items per page | | totalPage | Integer | Total pages | | totalRows | Integer | Total rows | | rows | Array | Product data array |

**Product Information (within rows):** | Parameter | Type | Description | |———–|——|————-| | commodityId | String | Product ID | | picture | String | Product image | | price | Decimal | Product price | | name | String | Product name | | isFollow | Boolean | Follow status |

**New Product List Compatibility Fields:** | Parameter | Type | Description | |———–|——|————-| | feature | String | Product features |

**VIC Exclusive Trading Hall Compatibility Fields:** | Parameter | Type | Description | |———–|——|————-| | materialCode | String | Material code | | commodityCode | String | Commodity code | | guidePrice | Decimal | Sales guide price | | memberPrice | Decimal | Member price |

#### Example Request

{  
 "current": 1,  
 "size": 20,  
 "sortType": 0,  
 "commodityLineId": "LINE001",  
 "middleCategoryId": null,  
 "minCategoryId": null,  
 "businessLineType": 0,  
 "appIndustryId": "IND001"  
}

#### Example Response

{  
 "pageNo": 1,  
 "pageSize": 20,  
 "totalPage": 5,  
 "totalRows": 100,  
 "rows": [  
 {  
 "commodityId": "PROD001",  
 "picture": "https://example.com/product1.jpg",  
 "price": 299.99,  
 "name": "Premium Motor Oil",  
 "isFollow": false,  
 "feature": "High Performance",  
 "materialCode": "MAT001",  
 "commodityCode": "COM001",  
 "guidePrice": 299.99,  
 "memberPrice": 279.99  
 }  
 ]  
}

### 4. Product Page Query - Authenticated

**Method Name:** 查询商品分页列表-登录不鉴权 (Query Product Page List - Authenticated No Authorization)  
**English Method Name:** getCommodityPageAuth  
**Access Level:** Authenticated (Login required, no specific authorization)

#### Input Parameters

| Parameter | Type | Required | Description |
| --- | --- | --- | --- |
| current | Integer | Yes | Current page number |
| size | Integer | Yes | Number of items per page |
| sortType | Integer | Yes | Sort type: 0=Comprehensive, 1=Price Ascending, 2=Price Descending, 3=Sales Volume |
| commodityLineId | String | No | Product line ID (null for all) |
| middleCategoryId | String | No | Middle category ID (null for all) |
| minCategoryId | String | No | Sub category ID (null for all) |
| businessLineType | Integer | No | Business line type: 0=Lubricant, 1=Fuel, etc. |
| appIndustryId | String | No | Application industry ID |

#### Output Parameters

**Pagination Information:** | Parameter | Type | Description | |———–|——|————-| | pageNo | Integer | Current page number | | pageSize | Integer | Items per page | | totalPage | Integer | Total pages | | totalRows | Integer | Total rows | | rows | Array | Product data array |

**Product Information (within rows):** | Parameter | Type | Description | |———–|——|————-| | commodityId | String | Product ID | | picture | String | Product image | | price | Decimal | Product price | | name | String | Product name | | isFollow | Boolean | Follow status |

**New Product List Compatibility Fields:** | Parameter | Type | Description | |———–|——|————-| | feature | String | Product features |

**VIC Exclusive Trading Hall Compatibility Fields:** | Parameter | Type | Description | |———–|——|————-| | materialCode | String | Material code | | commodityCode | String | Commodity code | | guidePrice | Decimal | Sales guide price | | memberPrice | Decimal | Member price |

### 5. Product Detail Query - Public

**Method Name:** 查询商品详情-游客 (Query Product Detail - Guest)  
**English Method Name:** getCommodityDetailPublic  
**Access Level:** Public (No authentication required)

#### Input Parameters

| Parameter | Type | Required | Description |
| --- | --- | --- | --- |
| commodityId | String | Yes | Product ID |

#### Output Parameters

| Parameter | Type | Description |
| --- | --- | --- |
| pictures | Array | Product image list |
| price | Decimal | Product price |
| memberPrice | Decimal | Member price |
| guidePrice | Decimal | Sales guide price |
| customerPrice | Decimal | Customer exclusive price |
| name | String | Product name |
| description | String | Product description |
| materialCode | String | Material code |
| productLine | String | Product line |
| brandName | String | Brand name |
| oilGrade | String | Oil grade |
| qualityLevel | String | Quality level |
| viscosityLevel | String | Viscosity level |
| boxSpec | String | Box specification |
| execStandard | String | Execution standard |
| marketingActInfo | String | Marketing activity information |
| unit | String | Unit of measurement |
| packageType | String | Package type |
| materialCategory | String | Material category |
| materialSubCategory | String | Material sub-category |
| materialMinCategory | String | Material min-category |
| marketingDiscount | String | Marketing discount |
| isFavorited | Boolean | Product favorite status |
| isSoldOut | Boolean | Sold out status |
| detailDescription | String | Detail description |
| productCertFile | String | Product certification file |
| shopInfo | Object | Shop information |
| shopName | String | Shop name |
| isFollowShop | Boolean | Shop follow status |

#### Example Request

{  
 "commodityId": "PROD001"  
}

#### Example Response

{  
 "pictures": ["https://example.com/img1.jpg", "https://example.com/img2.jpg"],  
 "price": 299.99,  
 "memberPrice": 279.99,  
 "guidePrice": 299.99,  
 "customerPrice": 289.99,  
 "name": "Premium Motor Oil",  
 "description": "High-performance motor oil for modern engines",  
 "materialCode": "MAT001",  
 "productLine": "Premium Lubricants",  
 "brandName": "Brand A",  
 "oilGrade": "Premium",  
 "qualityLevel": "API SN",  
 "viscosityLevel": "5W-30",  
 "boxSpec": "12x1L",  
 "execStandard": "API/SAE",  
 "marketingActInfo": "Special promotion",  
 "unit": "Liter",  
 "packageType": "Bottle",  
 "materialCategory": "Lubricants",  
 "materialSubCategory": "Motor Oil",  
 "materialMinCategory": "Synthetic Oil",  
 "marketingDiscount": "10% off",  
 "isFavorited": false,  
 "isSoldOut": false,  
 "detailDescription": "Detailed product specifications...",  
 "productCertFile": "https://example.com/cert.pdf",  
 "shopInfo": {},  
 "shopName": "Premium Oil Shop",  
 "isFollowShop": false  
}

### 6. Product Detail Query - Authenticated

**Method Name:** 查询商品详情-登录不鉴权 (Query Product Detail - Authenticated No Authorization)  
**English Method Name:** getCommodityDetailAuth  
**Access Level:** Authenticated (Login required, no specific authorization)

#### Input Parameters

| Parameter | Type | Required | Description |
| --- | --- | --- | --- |
| commodityId | String | Yes | Product ID |

#### Output Parameters

| Parameter | Type | Description |
| --- | --- | --- |
| pictures | Array | Product image list |
| price | Decimal | Product price |
| memberPrice | Decimal | Member price |
| guidePrice | Decimal | Sales guide price |
| customerPrice | Decimal | Customer exclusive price |
| name | String | Product name |
| description | String | Product description |
| materialCode | String | Material code |
| productLine | String | Product line |
| brandName | String | Brand name |
| oilGrade | String | Oil grade |
| qualityLevel | String | Quality level |
| viscosityLevel | String | Viscosity level |
| boxSpec | String | Box specification |
| execStandard | String | Execution standard |
| marketingActInfo | String | Marketing activity information |
| unit | String | Unit of measurement |
| packageType | String | Package type |
| materialCategory | String | Material category |
| materialSubCategory | String | Material sub-category |
| materialMinCategory | String | Material min-category |
| marketingDiscount | String | Marketing discount |
| isFavorited | Boolean | Product favorite status |
| isSoldOut | Boolean | Sold out status |
| detailDescription | String | Detail description |
| productCertFile | String | Product certification file |
| shopInfo | Object | Shop information |
| shopName | String | Shop name |
| isFollowShop | Boolean | Shop follow status |

## Notes

1. **Authentication Levels:**
   * **Public:** No authentication required, accessible to all users
   * **Authenticated:** Login required but no specific authorization needed
2. **Data Types:**
   * **String:** Text data
   * **Integer:** Whole numbers
   * **Decimal:** Numbers with decimal points
   * **Boolean:** true/false values
   * **Array:** List of items
   * **Object:** Complex data structure
3. **Sort Types:**
   * 0: Comprehensive sorting
   * 1: Price ascending
   * 2: Price descending
   * 3: Sales volume
4. **Business Line Types:**
   * 0: Lubricant
   * 1: Fuel
   * Additional types may be available

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