



**UEX OpenApi**

Version 1.0.3

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## 2.General Rules

**base url : [https:// open-api.uex.com](https://open-api.uex.com)**

### 1) Signature :

The request parameters need to be ordered by dictionary, and then to be joined as string in the form of keyvalue , finally, sign=MD5(string+secretKey).

Note :

- ① If there is any NULL in the request parameters, then it isn't be included in the signature string during joining.
- ② [api key] and [secret] are not passwords and are generated in the UEX "My API "page ([https://www.uex.com/my\\_open\\_api.html](https://www.uex.com/my_open_api.html)).

For example :

Parameters are as follows :

```
{  
country = 86;  
mobile = 15882133579;  
password = 654321zz;  
time = 1516007245;  
}
```

After joining :

```
string =country86mobile15882133579password654321zztime1516007278  
sign=MD5(string+secretKey)
```

### 3.post the request parameters submitted data with form format

content-type:application/x-www-form-urlencoded

### 4.Error Code

Error Code	Instructions	Notes
0	succeed	
5	fail to order	
6	the quantity value less than the minimum one	
7	the quantity value more than the maximum one	
8	fail to cancel order	
9	transaction be frozen	
13	Sorry, the program made an error, please contact with the manager.	
19	Available balance is insufficient.	
22	The order does not exist.	
23	Lack of parameters of numbers of transaction	
24	Lack of parameters of transaction price	
100001	System is abnormal	
100002	Update System	
100004	parameters are illegal	
100005	parameters of signature error	
100007	illegal IP	
110002	unknown currency code	
110003	fund password error	
110004	fund password error	
110005	Available balance is insufficient.	
110020	Username does not exist.	
110023	Phone number is registered.	
110024	Email box is registered.	
110025	Account is locked by background manager	
110032	The user has no authority to do this operation.	
110033	fail to recharge	
110034	fail to withdraw	

## 5./open/api/all\_order-Get all delegation

/open/api/all_order : Deal done and cancelled		
Method: <b>GET</b>		
Parameters	Fill-in Type	Instructions
symbol	required	Market mark, btcusdt, see below for details
pageSize	required	page size
page	required	page number
api_key	required	api_key
time	required	timestamps
sign	required	signature

return		
Field	Examples	Explanation
code	0	
msg	"suc"	code>0 failed
data	as follows:	

```
{
  "count":10,
  "orderList":[
    {
      "side":"BUY",
      "total_price":"0.10000000",
      "created_at":1510993841000,
      "avg_price":"0.10000000",
      "countCoin":"btc",
      "source":1,
      "type":1,
      "side_msg":"buy-in",
      "volume":"1.000",
      "price":"0.10000000",
      "source_msg":"WEB",
      "status_msg":"complete deal",
      "deal_volume":"1.00000000",
      "id":424,
      "remain_volume":"0.00000000",
      "baseCoin":"eth",
      "tradeList":[
        {
          "volume":"1.000",
          "feeCoin":"YLB",
          "price":"0.10000000",
          "fee":"0.16431104",
          "ctime":1510996571195,
          "deal_price":"0.10000000",
```

```

        "id":306,
        "type":"buy-in"
    }
],
"status":2
},
{
    "side":"SELL",
    "total_price":"0.09900000",
    "created_at":1510993715000,
    "avg_price":"0.10000000",
    "countCoin":"btc",
    "source":1,
    "type":1,
    "side_msg":"sell-out",
    "volume":"1.000",
    "price":"0.09900000",
    "source_msg":"WEB",
    "status_msg":"complete deal",
    "deal_volume":"1.00000000",
    "id":423,
    "remain_volume":"0.00000000",
    "baseCoin":"eth",
    "tradeList":[
        {
            "volume":"1.000",
            "feeCoin":"YLB",
            "price":"0.10000000",
            "fee":"0.16597075",
            "ctime":1510993723973,
            "deal_price":"0.10000000",
            "id":261,
            "type":"sell-out"
        }
    ],
    "status":2
}
]
}

```

virtual currency number	xxx-cny	xxx-btc	xxx-usdt
btc	btccny	-	btcusdt
eth	ethcny	ethbtc	ethusdt
ltc	ltccny	ltcbtc	ltcusdt
bcc	bccny	bccbtc	bccusdt
etc	etccny	etcbtc	etcusdt
usdt	usdtcny	-	-

## 6./open/api/all\_trade-Get all transaction record

/open/api/all_trade: Dealt Order		
Method: <b>GET</b>		
Parameters	Fill-in Type	Instructions
symbol	required	Market mark, btcusdt, see below for details
pageSize	optional	page size
page	optional	page number
api_key	required	api_key
time	required	timestamps
sign	required	signature

return		
Field	Examples	Explanation
code	0	
msg	"suc"	code>0 failed
data	as follows:	

```
{
  [
    {
      "count":22,
      "resultList":[
        {
          "volume":"1.000",
          "side":"BUY",
          "feeCoin":"YLB",
          "price":"0.10000000",
          "fee":"0.16431104",
          "ctime":1510996571195,
          "deal_price":"0.10000000",
          "id":306,
          "type":"Buy-in"
        },
        {
          "volume":"0.850",
          "side":"BUY",
          "feeCoin":"YLB",
          "price":"0.10000000",
          "fee":"0.13966438",
          "ctime":1510996571190,
          "deal_price":"0.08500000",
          "id":305,
          "type":"Buy-in"
        }
      ],
    }
  ],
}
```

```
{
  "volume": "0.010",
  "side": "BUY",
  "feeCoin": "YLB",
  "price": "0.10000000",
  "fee": "0.00164311",
  "ctime": "1510995560344",
  "deal_price": "0.00100000",
  "id": "291",
  "type": "Buy-in"
},
```

```
{
  "volume": "0.010",
  "side": "BUY",
  "feeCoin": "YLB",
  "price": "0.10000000",
  "fee": "0.00164311",
  "ctime": "1510995560338",
  "deal_price": "0.00100000",
  "id": "290",
  "type": " Buy-in "
},
```

```
{
  "volume": "0.010",
  "side": "BUY",
  "feeCoin": "YLB",
  "price": "0.10000000",
  "fee": "0.00164311",
  "ctime": "1510995560331",
  "deal_price": "0.00100000",
  "id": "289",
  "type": " Buy-in "
},
```

```
{
  "volume": "0.010",
  "side": "BUY",
  "feeCoin": "YLB",
  "price": "0.10000000",
  "fee": "0.00164311",
  "ctime": "1510995555323",
  "deal_price": "0.00100000",
  "id": "288",
  "type": " Buy-in "
},
```

```
{
  "volume": "0.010",
  "side": "BUY",
  "feeCoin": "YLB",
  "price": "0.10000000",
  "fee": "0.00164311",
  "ctime": "1510995555317",
  "deal_price": "0.00100000",
  "id": "287",
  "type": " Buy-in "
},
```

```
{
  "volume": "0.010",
```

```

    "side":"BUY",
    "feeCoin":"YLB",
    "price":"0.10000000",
    "fee":"0.00164311",
    "ctime":1510995550309,
    "deal_price":"0.00100000",
    "id":286,
    "type":" Buy-in "
  },
  {
    "volume":"0.010",
    "side":"BUY",
    "feeCoin":"YLB",
    "price":"0.10000000",
    "fee":"0.00164311",
    "ctime":1510995550303,
    "deal_price":"0.00100000",
    "id":285,
    "type":" Buy-in "
  },
  {
    "volume":"0.010",
    "side":"BUY",
    "feeCoin":"YLB",
    "price":"0.10000000",
    "fee":"0.00164311",
    "ctime":1510995545295,
    "deal_price":"0.00100000",
    "id":284,
    "type":" Buy-in "
  }
]
}

```

virtual currency number	xxx-cny	xxx-btc	xxx-usdt
btc	btccny	-	btcusdt
eth	ethcny	ethbtc	ethusdt
ltc	ltccny	ltcbtc	ltcusdt
bcc	bcccny	bccbtc	bccusdt
etc	etcny	etcbtc	etcusdt
usdt	usdtny	-	-



## 7./open/api/cancel\_order-cancel delegation order

/open/api/cancel_order		
Method: <b>POST</b>		
Parameters	Fill-in Type	Instructions
order_id	required	order ID
symbol	required	Market mark, btcusdt, see below for details
api_key	required	api_key
time	required	timestamps
sign	required	signature

return		
Field	Examples	Explanation
code	0	
msg	"suc"	code>0 failed
data	as follows:	

virtual currency number	xxx-cny (xxx101)	xxx-btc (xxx201)
btc	btccny	-
eth	ethcny	ethbtc
ltc	ltccny	ltcbtc
bcc	bcccny	bccbtc
etc	etccny	etcbtc

## 8./open/api/common/symbols Query all transaction pairs and accuracy supported by system

/open/api/common/symbols:		
Method: <b>GET</b>		
Parameters	Fill-in Types	Instruction
null		

return		
Fields	Examples	Explanation
code	0	
msg	"suc"	code>0 failed
data	<pre>{   "code": "0",   "msg": "suc",   "data": [     {       "symbol": "ethbtc",       "count_coin": "btc",       "amount_precision": 3,       "base_coin": "eth",       "price_precision": 8     },     {       "symbol": "ltcbtc",       "count_coin": "btc",       "amount_precision": 2,       "base_coin": "ltc",       "price_precision": 8     },     {       "symbol": "bchbtc",       "count_coin": "btc",       "amount_precision": 3,       "base_coin": "bch",       "price_precision": 8     },     {       "symbol": "etcbtc",       "count_coin": "btc",       "amount_precision": 2,       "base_coin": "etc",       "price_precision": 8     },     {       "symbol": "ltceth",       "count_coin": "eth",       "amount_precision": 2,       "base_coin": "ltc",       "price_precision": 8     },     {       "symbol": "etceth",       "count_coin": "eth",       "amount_precision": 2,       "base_coin": "etc",       "price_precision": 8     }   ] }</pre>	<p>symbol transaction pairs  base_coin  count_coin  price_precision (0 is unit)  amount_precision (0 is unit)</p>

## 9./open/api/create\_order-Create order

/open/api/create_order		
Method: <b>POST</b>		
Parameters	Fill-in Types	Instructions
side	required	Trading Direction
type	required	pending order types, 1:Limit-price Delegation 2:Market-price Delegation
volume	required	Purchase Quantity (polysemy, multiplex field) type=1: Quantity of buying and selling type=2: Buying represents gross price, and selling represents total number Trading restriction user/me-user information
price	optional	Delegation Price: type=2: this parameter is no use.
symbol	required	Market mark, ethbtc
fee_is_user_exchange_coin	optional	0, when making transactions with all platform currencies, this parameter represents whether to use them to pay fees or not and 0 is no, 1 is yes.
api_key	required	api_key
time	required	timestamps
sign	required	signature

return		
Fields	Examples	Explanations
code	0	
msg	"suc"	code>0 failed
data	{"order_id":34343}	succeed to return transaction ID

virtual currency numbers	xxx-cny (xxx101)	xxx-btc (xxx201)
btc	btcny	-
eth	ethcny	ethbtc
ltc	ltccny	ltcbtc
bcc	bcccny	bccbtc
etc	etccny	etcbtc

## 10./open/api/get\_records Get K line data

This interface has no checkout of signature.

/open/api/get_records: Get K line data		
Method: <b>GET</b>		
Parameters	Fill-in Types	Instructions
symbol	required	Market mark, ethbtc, see blow for details
period	required	minute is the unit, for example, one minute is 1 and one day is 1440

return		
Fields	Examples	Explanations
code	0	
msg	"suc"	code>0 failed
date	as follows:	

```
[
  [
    1514445
    780 //timestamps
    1.12, //opening price
    1.12, //the highest
    1.12, //the lowest
    1.12, //closing price
    0 //transaction volume
  ],
  [
    1514445840,
    1.12,
    1.12,
    1.12,
    1.12,
    0
  ],
  [
    1514445900,
    1.12,
    1.12,
    1.12,
    1.12,
    0
  ]
]
```

virtual currency number	xxx-cny	xxx-btc	xxx-usdt
bch	bccny	bchbtc	bchusdt
btc	btccny	-	btcusdt
etc	etccny	etcbtc	etcusdt
eth	ethcny	ethbtc	ethusdt
ltc	ltccny	ltcbtc	ltcusdt

## 11./open/api/get\_ticker Get current Quotations

This interface has no checkout of signature.

/open/api/get_ticker: Get current Quotations		
Method: <b>GET</b>		
Parametes	Fill-in Types	Instructions
symbol	required	Market mark, btcusdt, see blow for details

return		
Fields	Examples	Explanations
code	0	
msg	"suc"	code>0 failed
date	as follows:	

```
{
  "high": 1,//the highest value
  "vol": 10232.26315789,//transaction volume
  "last": 173.60263169,//the latest transaction price
  "low": 0.01,//the lowest value
  "buy": "0.01000000",//ask price
  "sell": "1.12345680",//bid price
  "time": 1514448473626
}
```

virtual currency number	xxx-cny	xxx-btc	xxx-usdt
bch	bccny	bchbtc	bchusdt
btc	btccny	-	btcusdt

etc	etccny	etcbtc	etcusdt
eth	ethcny	ethbtc	ethusdt
ltc	ltccny	ltcbtc	ltcusdt

## 12./open/api/get\_trades Get transaction record of quotations

This interface has no checkout of signature.

/open/api/get_trades: Get transaction record of quotations		
Method: <b>GET</b>		
Parameters	Fill-in Types	Instructions
symbol	required	Market mark, ethbtc, see blow for details

return		
Fields	Examples	Explanations
code	0	
msg	"suc"	code>0 failed
date	as follows:	

```
[
  {
    "amount": 0.55,//transaction amount
    "price": 0.18519949,//transaction price
    "id": 447121,
    "type": "buy"//trading type, buy and sell
  },
  {
    "amount": 16.45,
    "price": 0.18335468,
    "id": 447120,
    "type": "buy"
  },
  {
    "amount": 2,
    "price": 0.18335468,
    "id": 447119,
    "type": "buy"
  },
  {
    "amount": 2.92,
    "price": 0.183324003,
    "id": 447118,
    "type": "sell"
  }
]
```

```
]
}
```

virtual currency number	xxx-cny	xxx-btc	xxx-usdt
bch	bccny	bchbtc	bchusdt
btc	btccny	-	btcusdt
etc	etccny	etcbtc	etcusdt
eth	ethcny	ethbtc	ethusdt
ltc	ltccny	ltcbtc	ltcusdt

### 13./open/api/market\_dept Query orders depth

This interface has no checkout of signature.

/open/api/get_dept : Query orders depth		
Method: <b>GET</b>		
Parameters	required	Instructions
symbol	required	Market mark, ethbtc, see blow for details
type	required	depth types, step0, step1, step2 (merging depth 0-2) ; step0 represents the highest accuracy

return		
Fields	Examples	Explanations
code	0	
msg	"suc"	code>0 failed
date	as follows:	

```
{
  "tick":{
    "asks":[//selling
      {22112.22,0.9332},
      {22112.21,0.2},
      {22112.21,0.2},
      {22112.21,0.2},
      {22112.21,0.2},
    ],
    "bids":[//buying
      {22111.22,0.9332},
      {22111.21,0.2},
    ]
  }
}
```

```

    {22112.21,0.2},
    {22112.21,0.2},
    {22112.21,0.2},
  ]
}

```

## 14./open/api/market-Get the latest transaction price of each currency pair

/open/api/maket :		
Method: <b>GET</b>		
Parameters	Fill-in Types	Instructions
api_key	required	api_key
time	required	timestamps
sign	required	signature

return		
Fields	Examples	Explanations
code	0	
msg	"suc"	code>0 failed
date	{"btcusdt":15000,"ethusdt":800}	

virtual currency number	xxx-cny	xxx-btc	xxx-usdt
btc	btccny	-	btcusdt
eth	ethcny	ethbtc	ethusdt
ltc	ltccny	ltcbtc	ltcusdt
bcc	bccny	bccbtc	bccusdt
etc	etcny	etcbtc	etcusdt



## 15./open/api/new\_order-Get current delegations

/open/api/new_order : Including untraded and trading delegation		
Method: <b>GET</b>		
Parameters	Fill-in Types	Instructions
symbol	required	Market mark, btcusdt, see blow for details
pageSize	optional	page size
page	optional	page number
api_key	required	api_key
time	required	timestamps
sign	required	signature

return		
Fields	Examples	Explanations
code	0	
msg	"suc"	code>0 failed
date	as shown below	instructions of order status: INIT(0,"primary order, untraded and not enter the market"), NEW_(1,"new order, untraded and enter the market "), FILLED(2,"complete deal"), PART_FILLED(3,"partial deal"), CANCELED(4,"already withdrawn"), PENDING_CANCEL(5,"pending withdrawak"), EXPIRED(6,"abnormal orders");

```
{
  "count":10,
  "resultList":[
    {
      "side":"BUY",
      "total_price":"0.10000000",
      "created_at":1510993841000,
      "avg_price":"0.10000000",
      "countCoin":"btc",
      "source":1,
      "type":1,
      "side_msg":"Buy-in",
      "volume":"1.000",
      "price":"0.10000000",
      "source_msg":"WEB",
      "status_msg":"complete deal",
      "deal_volume":"1.00000000",
      "id":424,
      "remain_volume":"0.00000000",
    }
  ]
}
```

```

"baseCoin":"eth",
"tradeList":[
  {
    "volume":"1.000",
    "feeCoin":"YLB",
    "price":"0.10000000",
    "fee":"0.16431104",
    "ctime":1510996571195,
    "deal_price":"0.10000000",
    "id":306,
    "type":"Buy-in"
  }
],
"status":2
},
{
  "side":"SELL",
  "total_price":"0.09900000",
  "created_at":1510993715000,
  "avg_price":"0.10000000",
  "countCoin":"btc",
  "source":1,
  "type":1,
  "side_msg":"Sell-out",
  "volume":"1.000",
  "price":"0.09900000",
  "source_msg":"WEB",
  "status_msg":"complete deal",
  "deal_volume":"1.00000000",
  "id":423,
  "remain_volume":"0.00000000",
  "baseCoin":"eth",
  "tradeList":[
    {
      "volume":"1.000",
      "feeCoin":"YLB",
      "price":"0.10000000",
      "fee":"0.16597075",
      "ctime":1510993723973,
      "deal_price":"0.10000000",
      "id":261,
      "type":"Sell-out"
    }
  ],
  "status":2
}
]
}

```

virtual currency number	xxx-cny	xxx-btc	xxx-usdt
btc	btccny	-	btcusdt
eth	ethcny	ethbtc	ethusdt
ltc	ltccny	ltcbtc	ltcusdt

bcc	bccny	bccbtc	bccusdt
etc	etcny	etcbtc	etcusdt
usdt	usdtcny	-	-/web/new_order-Get current delegations

## 16./open/api/order\_info-Get order details

/open/api/order_info:		
Method: <b>GET</b>		
Parameters	Fill-in Types	Instructions
order_id	required	order ID
symbol	required	Market mark, ethbtc, see blow for details
api_key	required	api_key
time	required	timestamps
sign	required	signature

return		
Fields	Examples	Explanations
code	0	
msg	"suc"	code>0 failed
date	{"order_info":{},"trade_list":[]}	

```
{
  "order_info":{
    "id":343,
    "side":"sell",
    "side_msg":"Sell-out",
    "created_at":"09-22 12:22",
    "price":222.33,
    "volume":222.33,
    "deal_volume":222.33,
    "total_price":222.33,
    "e":222.33,
    "age_price":222.33}
  }
  "trade_list":[
    {
      "id":343,
      "created_at":"09-22 12:22",
      "price":222.33,
      "volume":222.33,
      "deal_price":222.33,
```

```

    "deal_fee":222.33
  },
  {
    "id":345,
    "created_at":"09-22 12:22",
    "price":222.33,
    "volume":222.33,
    "deal_price":222.33,
    "deal_fee":222.33
  }
]
}

```

## 17./open/api/user/account-Asset balance

/open/api/user/account		
Method: GET		
Parameters	Fill-inTypes	Instructions
api_key	required	api_key
time	required	timestamps
sign	required	signature

return		
Fields	Examples	Explanations
code	0	
msg	"suc"	code>0 failed
date	<pre> {   "total_asset":432323.23,   "coin_list":[     {"coin":"btc","normal":32323.233,"locked":32323.233,"btcValuatin":112.33},     {"coin":"ltc","normal":32323.233,"locked":32323.233,"btcValuatin":112.33},   ] } </pre>	<p>total_asset: total assets  normal: balance account  locked: frozen accounts  btcValuatin: BTC valuation</p>