

行情API

行情api包括私有api都需要在http request请求的header中添加 X-SITE-ID 字段，该字段的值为"1"。该字段不用做签名校验。

获取交易所市场数据

Get /api/v1/tickers 获取价格数据

频率限制：20次/s

<https://www.zt.com/api/v1/tickers>

示例

```
# Request
GET https://www.zt.com/api/v1/tickers
# Response
{
  "ticker": [
    {
      "buy": "0.378",
      "high": "0.39999995",
      "last": "0.388",
      "low": "0.374101",
      "sell": "0.387",
      "symbol": "BTC_USDT",
      "vol": "3485328.1114718"
    },
    {
      "buy": "1924",
      "high": "1938.84",
      "last": "1924",
      "low": "1864.97",
      "sell": "1926",
      "symbol": "ETH_USDT",
      "vol": "2948.19477569"
    }
  ],
  "timestamp": "1535452275851"
}
```

返回数据

```
timestamp: 服务端时间戳  
buy: 最佳BID  
high: 最高价  
last: 最新价  
low: 最低价  
sell: 最佳ASK  
vol: 成交量 (24小时交易量)
```

获取深度信息

Get /api/v1/depth 获取深度数据

频率限制: 20次/s

<https://www.zt.com/api/v1/depth>

示例

```
# Request  
GET https://www.zt.com/api/v1/depth?symbol=BTC_USDT&size=1  
# Response  
{  
  "asks": [  
    [ "0.387", "43189.58824906" ]  
  ],  
  "bids": [  
    [ "0.378", "2078.91534391" ]  
  ]  
}
```

返回数据

```
asks : ask深度[ 价格, 数量 ]  
bids : bid深度[ 价格, 数量 ]
```

请求参数

参数	描述
symbol	市场名称
size	返回深度的条数

获取最新成交记录

Get /api/v1/trades 获取最新成交记录数据

频率限制：20次/s

<https://www.zt.com/api/v1/trades>

示例

```
# Request
GET https://www.zt.com/api/v1/trades?symbol=BTC_USDT&size=1
# Response
[
  {
    "amount": "500",
    "price": "0.401",
    "side": "sell",
    "timestamp": "1535507624521"
  },
  {
    "amount": "442",
    "price": "0.401",
    "side": "sell",
    "timestamp": "1535507612055"
  }
]
```

返回数据

amount : 数量
price : 价格
side: 买入或者卖出
timestamp: 时间戳

请求参数

参数	描述
symbol	市场名称
size	返回深度的条数

获取K线信息

Get /api/v1/trades 获取最新成交记录数据

频率限制：20次/s

<https://www.zt.com/api/v1/kline>

示例

```
# Request
GET https://www.zt.com/api/v1/kline?
symbol=BTC_USDT&type=1min&size=100
# Response
[
  [
    1535508060000,
    "0.401",
    "0.401",
    "0.401",
    "0.401",
    "0"
  ],
  [
    1535508120000,
    "0.401",
    "0.401",
    "0.401",
    "0.401",
    "0"
  ],
  [
    1535508180000,
    "0.401",
    "0.401",
    "0.401",
    "0.401",
    "0"
  ]
]
```

返回数据

```
[
  1532655300000: 时间戳
  2370.16: 开
  2380: 高
  2352: 低
  2367.37: 收
  17259.83: 交易量
]
```

请求参数

参数	描述
symbol	市场名称
type	分时参数，可以为1min,5min,15min,30min,hour,day,week
size	返回成交数的条数

获取交易对信息

Get /api/v1/trades 获取交易对信息数据

频率限制：20次/s

<https://www.zt.com/api/v1/exchangeInfo>

示例

```
# Request
GET https://www.zt.com/api/v1/exchangeInfo
# Response
[
  {
    "baseAsset": "BTC",
    "baseAssetPrecision": 8,
    "quoteAsset": "USDT",
    "quoteAssetPrecision": 8,
    "status": "trading",
    "symbol": "BTC_USDT"
  },
  {
    "baseAsset": "ETH",
    "baseAssetPrecision": 8,
    "quoteAsset": "USDT",
    "quoteAssetPrecision": 8,
    "status": "trading",
    "symbol": "ETH_USDT"
  }
]
```

返回数据

```
[
  baseAsset: 基础货币
  baseAssetPrecision: 基础货币精度
  quoteAsset: 计价货币
  quoteAssetPrecision: 计价货币精度
  status: 交易状态
  symbol: 交易对
]
```

交易API private

所有的参数都需要使用form-data的形式提交数据，接口都为POST形式 交易api需要进行验签除了sign参数外所有的参数都必须进行签名，所有参数必须根据字母表按照参数名进行排序 举例，如果请求的参数是

```
{'api_key': 'c821db84-6fbd-11e4-a9e3-c86000d26d7c', 'sign': '5C263F54B613EEFE02BB596879D1DDF3', 'symbol': 'BTC_USDT', 'side': 1, 'price': '50', 'amount': '0.02'}}")
```

amount=1.0&api_key=c821db84-6fbd-11e4-a9e3-c86000d26d7c&price=680&side=1&symbol=BTC_USDT 字符串为:
amount=1.0&api_key=c821db84-6fbd-11e4-a9e3-c86000d26d7c&price=680&side=1&symbol=BTC_USDT

MD5签名 生成MD5签名必须要secretKey,在以上生成的字符串后面添加secret_key以生成最终的字符串，例如amount=1.0&api_key=c821db84-6fbd-11e4-a9e3-c86000d26d7c&price=680&side=1&symbol=BTC_USDT&secret_key=secretKey 注意:
'&secret_key=secretKey'必填. 使用32bit的MD5加密字符串，将生成的签名传到sign参数，生成的加密字符串必须大写

获取用户资产

POST /api/v1/private/user 获取用户资产数据

频率限制：500次/min

<https://www.zt.com/api/v1/private/user>

示例

```
# Request
POST https://www.zt.com/api/v1/private/user

# Response
{
  "code": 0,
  "message": "操作成功",
  "result": {
    "USDT": {
      "available": "10718.74453852",
      "freeze": "0.10999996",
      "other_freeze": "0",
      "recharge_status": 0,
      "trade_status": 1,
      "withdraw_fee": "0.1",
      "withdraw_max": "1000",
      "withdraw_min": "0.001",
      "withdraw_status": 1
    },
    "ETH": {
      "available": "395.196",
      "freeze": "0",
      "other_freeze": "0",
      "recharge_status": 1,
      "trade_status": 1,
      "withdraw_fee": "0.01",
      "withdraw_max": "100000",
      "withdraw_min": "0.001",
      "withdraw_status": 1
    },
    "BTC": {
      "available": "46.20370336",
      "freeze": "0",
      "other_freeze": "0",
      "recharge_status": 0,
      "trade_status": 1,
      "withdraw_fee": "0.1",
      "withdraw_max": "100000",
      "withdraw_min": "1",
      "withdraw_status": 1
    }
  }
}
```

返回数据


```
[
  available: 可用余额
  freeze: 交易冻结金额
  other_freeze: 其他冻结金额（包括C2C和提币冻结）
  recharge_status: 充值状态0为不可充值，1为可充值
  withdraw_fee: 提币手续费
  withdraw_max: 最大提币金额
  withdraw_min: 最小提币金额
  withdraw_status: 提币状态0为不可提币，1为可提币
]
```

请求参数

参数	描述
sign	签名
api_key	api_key

限价交易

POST /api/v1/private/trade/limit 用户限价交易

频率限制：500次/min

<https://www.zt.com/api/v1/private/trade/limit>

示例

```
# Request
POST https://www.zt.com/api/v1/private/trade/limit
# Response
{
  "code": 0,
  "message": "操作成功",
  "result": {
    "amount": "1",
    "ctime": 1535537926.246487,
    "deal_fee": "0",
    "deal_money": "0",
    "deal_stock": "0",
    "id": 32865,
    "left": "1",
    "maker_fee": "0.001",
    "market": "BTC_USDT",
    "mtime": 1535537926.246487,
    "price": "10",
    "side": 2,
    "source": "web,1",
    "taker_fee": "0.001",
    "type": 1,
    "user": 670865
  }
}
```

返回数据

```
[
  amount: 数量
  ctime: 创建时间
  deal_fee: 成交手续费
  deal_money: 成交金额
  deal_stock: 成交资产
  id: 编号
  left: 剩余
  maker_fee: maker手续费•
  market: 市场名
  mtime: 发布到市场时间
  price: 价格
  side: 1为ASK卖出, 2为BID买入
  •source:•来源
  taker_fee: taker手续费•
  type: 交易类型, 1为限价, 2为市价
  user: 用户编号
]
```

请求参数

参数	描述
market	市场
side	1为ASK卖出, 2为BID买入
amount	数量
price	价格
sign	签名
api_key	api_key

市价交易

POST /api/v1/private/trade/market 用户市价交易

频率限制：500次/min

<https://www.zt.com/api/v1/private/trade/market>

示例

```
# Request
POST https://www.zt.com/api/v1/private/trade/market

# Response
{
  "code": 0,
  "message": "操作成功",
  "result": {
    "amount": "1",
    "ctime": 1535538409.189721,
    "deal_fee": "0.00019607843",
    "deal_money": "0.999999993",
    "deal_stock": "0.19607843",
    "id": 32868,
    "left": "7.00000000e-9",
    "maker_fee": "0",
    "market": "BTC_USDT",
    "mtime": 1535538409.189735,
    "price": "0",
    "side": 2,
    "source": "web,1",
    "taker_fee": "0.001",
    "type": 2,
    "user": 670865
  }
}
```

返回数据

```
[
  amount: 数量
  ctime: 创建时间
  deal_fee: 成交手续费
  deal_money: 成交金额
  deal_stock: 成交资产
  id: 编号
  left: 剩余
  maker_fee: maker手续费
  market: 市场名
  mtime: 发布到市场时间
  price: 价格
  side: 1为ASK卖出, 2为BID买入
  source:来源
  taker_fee: taker手续费
  type: 交易类型, 1为限价, 2为市价
  user: 用户编号
]
```

请求参数

参数	描述
market	市场
side	1为ASK卖出, 2为BID买入
amount	数量
sign	签名
api_key	api_key

取消某个委托订单

POST /api/v1/private/trade/cancel 用户取消某个委托订单

频率限制：500次/min

<https://www.zt.com/api/v1/private/trade/cancel>

示例

```
# Request
POST https://www.zt.com/api/v1/private/trade/cancel

# Response
{
  "code": 0,
  "message": "操作成功",
  "result": {
    "amount": "1",
    "ctime": 1535538409.189721,
    "deal_fee": "0.00019607843",
    "deal_money": "0.999999993",
    "deal_stock": "0.19607843",
    "id": 32868,
    "left": "7.00000000e-9",
    "maker_fee": "0",
    "market": "BTC_USDT",
    "mtime": 1535538409.189735,
    "price": "0",
    "side": 2,
    "source": "web,1",
    "taker_fee": "0.001",
    "type": 2,
    "user": 670865
  }
}
```

返回数据

```
[
  amount: 数量
  ctime: 创建时间
  deal_fee: 成交手续费
  deal_money: 成交金额
  deal_stock: 成交资产
  id: 编号
  left: 剩余
  maker_fee: maker手续费•
  market: 市场名
  mtime: 发布到市场时间
  price: 价格
  side: 1为ASK卖出, 2为BID买入
  •source:•来源
  taker_fee: taker手续费•
  type: 交易类型, 1为限价, 2为市价
  user: 用户编号
]
```

请求参数

参数	描述
market	市场名称
order_id	订单编号
sign	签名
api_key	api_key

批量取消委托订单

POST /api/v1/private/trade/cancel_batch 用户批量取消委托订单，每次批量取消委托订单数量不超过10个。

频率限制：500次/min

https://www.zt.com/api/v1/private/trade/cancel_batch

示例

```
# Request
POST https://www.zt.com/api/v1/private/trade/cancel_batch

# Response
{
  "code": 0,
  "message": "操作成功",
  "result": [
    {
      "market": "BTC_USDT",
      "order_id": 458815,
      "result": true
    },
    {
      "market": "BTC_USDT",
      "order_id": 458813,
      "result": true
    },
    {
      "market": "BTC_USDT",
      "order_id": 458812,
      "result": false
    }
  ]
}
```

返回数据

market: 市场
order_id: 订单编号
result: 取消结果(true 表示取消成功, false 表示取消失败)

请求参数

参数	描述
order_json	订单编号
sign	签名
api_key	api_key

查询订单成交接口

POST /api/v1/private/order/deals 查询订单成交

频率限制：500次/min

<https://www.zt.com/api/v1/private/order/deals>

示例

```
# Request
POST https://www.zt.com/api/v1/private/order/deals
# Response
{
  "code": 0,
  "message": "操作成功",
  "result": {
    "limit": 20,
    "offset": 0,
    "records": [
      {
        "amount": "1",
        "deal": "19.96",
        "deal_order_id": 32730,
        "fee": "0.001",
        "id": 25503,
        "price": "19.96",
        "role": 2,
        "time": 1535437951.751402,
        "user": 670865
      }
    ]
  }
}
```

返回数据

limit: 限制
offset: 偏移
records: 记录
amount: 数量
deal: 已成交
deal_order_id: 成交的订单id
fee: 手续费
id: 成交id
price: 价格
role: 角色, 1为Maker, 2为Taker
time: 时间戳
user: 用户编号

请求参数

参数	描述
order_id	订单编号
offset	偏移
limit	限制值
sign	签名
api_key	api_key

查询未成交订单

POST /api/v1/private/order/pending 查询用户未成交

频率限制：500次/min

<https://www.zt.com/api/v1/private/order/pending>

示例

```
# Request
POST https://www.zt.com/api/v1/private/order/pending
# Response
{
  "code": 0,
  "message": "操作成功",
  "result": {
    "limit": 10,
    "offset": 0,
    "records": [
      {
        "amount": "1",
        "ctime": 1535544362.168106,
        "deal_fee": "0",
        "deal_money": "0",
        "deal_stock": "0",
        "id": 32871,
        "left": "1",
        "maker_fee": "0.001",
        "market": "BTC_USDT",
        "mtime": 1535544362.168106,
        "price": "5.1",
        "side": 2,
        "source": "web,1",
        "taker_fee": "0.001",
        "type": 1,
        "user": 670865
      }
    ],
    "total": 1
  }
}
```

返回数据

```
[
  amount: 数量
  ctime: 创建时间
  deal_fee: 成交手续费
  deal_money: 成交金额
  deal_stock: 成交资产
  id: 编号
  left: 剩余
  maker_fee: maker手续费•
  market: 市场名
  mtime: 发布到市场时间
  price: 价格
  side: 1为ASK卖出, 2为BID买入
  •source:•来源
  taker_fee: taker手续费•
  type: 交易类型, 1为限价, 2为市价
  user: 用户编号
]
```

请求参数

参数	描述
market	市场
offset	偏移
limit	限制值
sign	签名
api_key	api_key

查询某个未成交订单详情

POST /api/v1/private/order/pending/detail 查询用户未成交订单详情

频率限制：500次/min

<https://www.zt.com/api/v1/private/order/pending/detail>

示例

```
# Request
POST https://www.zt.com/api/v1/private/order/pending/detail
# Response
{
  "code": 0,
  "message": "操作成功",
  "result": {
    "amount": "10",
    "ctime": 1565681852.879657,
    "deal_fee": "0",
    "deal_money": "0",
    "deal_stock": "0",
    "id": 1080,
    "left": "10",
    "maker_fee": "0",
    "market": "BTC_USDT",
    "mtime": 1565681852.879657,
    "price": "1",
    "side": 2,
    "source": "web,127",
    "taker_fee": "0",
    "type": 1,
    "user": 2
  }
}
```

返回数据

```
[
  amount: 数量
  ctime: 创建时间
  deal_fee: 成交手续费
  deal_money: 成交金额
  deal_stock: 成交资产
  id: 编号
  left: 剩余
  maker_fee: maker手续费•
  market: 市场名
  ftime: 发布到市场时间
  price: 价格
  side: 1为ASK卖出, 2为BID买入
  •source:•来源
  taker_fee: taker手续费•
  type: 交易类型, 1为限价, 2为市价
  user: 用户编号
]
```

请求参数

参数	描述
market	市场
Order_id	订单号
sign	签名
api_key	Api_key

查询已成交订单接口

POST /api/v1/private/order/finished 查询用户已成交

频率限制: 500次/min

<https://www.zt.com/api/v1/private/order/finished>

示例

```
# Request
POST https://www.zt.com/api/v1/private/order/finished
# Response
{
```

```
"code": 0,
"message": "操作成功",
"result": {
  "limit": 2,
  "offset": 0,
  "records": [
    {
      "amount": "1",
      "ctime": 1535538409.189721,
      "deal_fee": "0.00019607843",
      "deal_money": "0.999999993",
      "deal_stock": "0.19607843",
      "ftime": 1535538409.189735,
      "id": 32868,
      "maker_fee": "0",
      "market": "BTC_USDT",
      "price": "0",
      "side": 2,
      "source": "web,1",
      "taker_fee": "0.001",
      "type": 2,
      "user": 670865
    },
    {
      "amount": "10",
      "ctime": 1535538403.233823,
      "deal_fee": "0.0011099999955",
      "deal_money": "1.1099999955",
      "deal_stock": "0.21764705",
      "ftime": 1535538409.189735,
      "id": 32867,
      "maker_fee": "0.001",
      "market": "BTC_USDT",
      "price": "5.1",
      "side": 1,
      "source": "web,1",
      "taker_fee": "0.001",
      "type": 1,
      "user": 670865
    }
  ]
}
```

返回数据

```
[
  amount: 数量
  ctime: 创建时间
  deal_fee: 成交手续费
  deal_money: 成交金额
  deal_stock: 成交资产
  id: 编号
  left: 剩余
  maker_fee: maker手续费•
  market: 市场名
  ftime: 完成时间
  price: 价格
  side: 1为ASK卖出, 2为BID买入
  •source:•来源
  taker_fee: taker手续费•
  type: 交易类型, 1为限价, 2为市价
  user: 用户编号
]
```

请求参数

参数	描述
market	市场
start_time	结束时间, 以秒计数的时间戳, 不限为0
end_time	结束时间, 以秒计数的时间戳, 不限为0
offset	偏移
limit	限制
side	1为ASK卖出, 2为BID买入,不限为0
sign	签名
api_key	Api_key

查询某个已成交订单详情

POST /api/v1/private/order/finished/detail 查询用户已成交

频率限制: 500次/min

<https://www.zt.com/api/v1/private/order/finished/detail>

示例

```
# Request
POST https://www.zt.com/api/v1/private/order/finished/detail

# Response
{
  "code": 0,
  "message": "操作成功",
  "result": {
    "amount": "10",
    "ctime": 1565681925.295415,
    "deal_fee": "0",
    "deal_money": "19.5",
    "deal_stock": "10",
    "ftime": 1565681925.295421,
    "id": 1081,
    "maker_fee": "0",
    "market": "BTC_USDT",
    "price": "2",
    "side": 2,
    "source": "web,127",
    "taker_fee": "0",
    "type": 1,
    "user": 2
  }
}
```

返回数据

```
[
  amount: 数量
  ctime: 创建时间
  deal_fee: 成交手续费
  deal_money: 成交金额
  deal_stock: 成交资产
  id: 编号
  left: 剩余
  maker_fee: maker手续费•
  market: 市场名
  ftime: 完成时间
  price: 价格
  side: 1为ASK卖出, 2为BID买入
  •source:•来源
  taker_fee: taker手续费•
  type: 交易类型, 1为限价, 2为市价
  user: 用户编号
]
```

请求参数

参数	描述
order_id	订单号
sign	签名
api_key	Api_key