ESL Cloud Platform Open API

V5.0.24

Document History

Revision	Release Date	Changes/Notes
V5.0	2022.8.30	Release version of V5
V5.0.3	2023.8. 16	Add master account API
V5.0.5	2023.10.18	Add APP API
V5.0.11	2024.3.28	Add whitelist API
V5.0.14	2024.5.24	Use with Platform V5.14.0
V5.0.18	2024.12.30	Modify opCode description and firmware type name.
V5.0.19	2025.4.1	Add firmware upgrade API, Add warning light binding API.
V5.0.20	2025.6.9	Modify Get data (specific) API
V5.0.22	2025.7.21	Add warning light query and delete API, Add label location API
V5.0.23	2025.8.21	Add LCD API
V5.0.24	2025.9.3	Add Establish binding relationship API, Add Millimeter radar history data API

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Note:

All API URL should match the server your account is on.
For example, if your account is on "cloud.minewesl.com", replace the "minewtag" of all URL with "minewesl".
If you have server privately deployed, replace the "cloud.minewtag.com/apis" with "your server domain name (or ip):9194".

Part 1. Log in

URL	https://cloud.minewesl.com/apis/action/login
Request Method	POST
Content-type	application/json;charset=utf-8
API Description	Users login in to get authorization token (valid for 24hrs)

Request Parameters

Key	Position	Type	Necessary	Example	Description
username	Body	String	true	''admin''	Username
password	Body	String	true	"fd5c1cf04c8 e68ded43719 f50fa81fda"	The password encrypted by MD5, in 32-bit lowercase format

Request demo

```
{
"username":"admin",
"password":"fd5c1cf04c8e68ded43719f50fa81fda"
}
```

Explanation for return code

Status Code	Description

200	Success
10024	Password should not be null
10025	The username is not existed
10026	error password

Sample Return result

```
{
    "code": 200,
    "msg": "success",
    "data": {
        "userInfo": "{\"admin\":false,\"autoPassWord\":\"\",\"condition
\":\"\",\"confirmPassword\":\"\",\"count\":null,\"createTime\":16048848
56000,\"createdBy\":\"0\",\"definePassWord\":\"\",\"description\":\"Mas
ter Account\",\"email\":\"\",\"flag\":\"1\",\"guideDisplay\":0,\"guideT
ime\":null,\"id\":\"1325609281856212992\",\"image\":\"\",\"loginTime\":
null,\"loginname\":\"Sue\",\"merchantCode\":\"886092\",\"mobile\":\"136
67280041\",\"name\":\"Sue\",\"nickname\":\"\",\"organizationNameList\":
[],\"password\":\"\",\"resetPassword\":null,\"roleNameList\":[],\"salt\
":\"null\",\"status\":0,\"updateTime\":null,\"updatedBy\":\"\"}",
        "hasScene": true,
        "token": "eyJhbGciOiJSUzUxMiJ9.eyJzdWIiOiIxMzI1NjA5MjgxODU2MjEy
OTkyIiwiZXhwIjoxNjEwNTE4MjY2fQ.pyxprkOIePRuzYbDRX1sCYBxLTVA6jdboW5It3Z6
j8-IsnFZyvrFekVCbOX9QYvMIqtowa-mgNu6XbAPlStslEMkrMSB8i3BjOuJ8HAV3vou1cA
PAVbfL94735jf_WhGk0PrZAfH8ovTg-rygPrqfx1AkiJwKer5WYEDHp_tRsU",
        "displayGuide": true
    }
}
```

Part 2: Store API

2.1 Add store

URL	https://cloud.minewesl.com/apis/esl/store/add
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Add store

Request Parameters

Key	Position	Type	Necessary	Example	Remark
Token	Header	String	true	token	Token value from Login
number	Body	String	true		Store number: Unique value
name	Body	String	true		Store name
address	Body	String	true		Store address

Request demo:

```
{
  "number": "003",
  "name": "roket",
  "address": "ali"
}
```

Explanation for return code

Return code	Description
200	success
10059	no permission
12053	Failed to obtain login user information
12052	Existing store number
12100	Existing store name
54029	Store number, name, address must have
54030	Store number should only be digits

Return result sample

```
{
  "code": 200,
  "message": "success",
```

```
  "data": {
  "storeId": "1425028090339794944"
  }
}
```

2.2 Modify store

URL	https://cloud.minewesl.com/apis/esl/store/update
Request Method	PUT
Content type	application/json;charset=utf-8
API Description	Modify store

Request Parameters

Key	Position	Data type	Necessary	remarks
token	Header	String	true	Token from login
active	Body	Integer	true	Whether active store, 1: activate, 0 close
id	Body	String	true	Store ID
name	Body	String	true	Store name
address	Body	String	true	Store address

Request example

```
https://cloud.minewesl.com/apis/esl/store/update
{
    "id": "1470218173264433152",
    "name": "store",
    "address": "TimesSquare",
    "active": 1
}
```

Explanation for return codes

Return code	Description
200	Success

12004	Lack of request Parameters
12036	Modify failure
54042	Not allow modify store number

Sample code

```
{
    "code": 200,
    "msg": "success",
    "data": null
}
```

2.3 Close / open store

URL	https://cloud.minewesl.com/apis/esl/store/openOrClose
Request Method	GET
Content type	
API Description	Close or open store

Request Parameters

Key	Position	Data type	Necessary	remarks
token	Header	String	true	Token from login
active	Params	String	true	0: close the store, 1: open the store
storeId	Params	String	true	Store ID

Request example

```
https://cloud.minewesl.com/apis/esl/store/openOrClose?storeId
=1470218173264433152&active=1
```

Explanation for return codes

Return code	Description
200	Success

12004	Lack of request Parameters
12005	Operation failed, please check the network
12114	Not your store

Sample code

```
{
    "code": 200,
    "msg": "success",
    "data": null
}
```

2.4 Get warning information

URL	https://cloud.minewesl.com/apis/esl/warning/findAllWarnings
Request Method	GET
Content type	
API Description	Get warning information

Request Parameters

Key	Position	Data type	Necessary	remarks
token	Header	String	true	Token from login
storeId	Params	String	true	
screening	Params	String	false	Brush：brush warning; upgrade：upgrade warning

Sample code

```
https://cloud.minewesl.com/apis/esl/warning/findAllWarnings?screening=
brush&storeId=1328266049345687552
```

Explanation for return codes

Return code	Description

200	Success
10059	false permission
12053	Failed to get the uername
12052	Existing store number
12100	Existing store name

Return result sample

```json
{
  "code": null,
  "page": null,
  "size": null,
  "totalPage": null,
  "totalCount": null,
  "rows": [
    {
      "id": "60d59e80fa770c44f5de7acb",
      "mac": "ac233fd010ac",
      "gatewayMac": "AC233FC08FBF",
      "key": "3141592653589793",
      "screenSize": 3,
      "image": "",
      "imageId": 1624612250,
      "storeId": "1408232104776437760",
      "operator": "SystemRepeatPushJob",
      "commodity": "1",
      "currentVersion": null,
      "upgradeVersion": null,
      "labelpackId": null,
      "data": null,
      "operation": "brush",
      "opCode": null,
      "token": "",
      "fileSize": 9526,
      "urlSize": 0,
      "url": "",
      "bingingFailure": 0,
      "bingingTotal": 0,
      "createTime": "2021-06-25 17:14:40",
      "merchantCode": "304748",
      "flag": 0,
```

```
        "serialNumber": 1624612250
    }
  ]
}
```

2.5 Get store information

URL	https://cloud.minewesl.com/apis/esl/store/list
Request Method	GET
Content type	application/json;charset=utf-8
API Description	Get store information

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
active	Params	Integer	true	1：active，0: inactive
condition	Params	String	false	Could be store name, store no. or store address

Sample code

```
https://cloud.minewesl.com/apis/esl/store/list?active=1
```

Return result sample

```
{
    "code": 200,
    "msg": "success",
    "data": [
        {
            "id": "1341258324526391296",
            "uuid": null,
            "name": "hx",
            "active": 1,
            "country": null,
            "province": null,
```

```
            "city": null,
            "address": "TimesSquare",
            "serverIp": "",
            "image": "",
            "imageFullPath": null,
            "description": null,
            "latitude": null,
            "longitude": null,
            "createTime": "2020-12-22 13:44:39",
            "updateTime": "2020-12-22 13:44:39",
            "createBy": "1325609281856212992",
            "updateBy": null,
            "merchantCode": "886092",
            "remark": null,
            "deleteFlag": 0
        }
    ]
}
```

2.6 Get operation log information

URL	https://cloud.minewesl.com/apis/esl/logs/queryList
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Get operation log information

Request Parameters

Key	Position	Data type	Nece ssary	Remarks
token	Header	String	true	Token value from login
condition	body	String	false	Should be fuzzy mac address
actionType	body	String	false	1 represents refresh label, 2 represents upgrade
currentPage	body	Int	true	Page of inquiry
pageSize	body	Int	true	Set how many items are displayed on each page

objectType	body	String	true	1 represents label, 5 represents warning light
storeId	body	String	true	Store id

Request example

```
https://cloud.minewtag.com/apis/esl/logs/queryList
{
    "currentPage": 1,
    "pageSize": 10,
    "condition": "",
    "storeId": "1430800882059972609",
    "objectType": "1",
    "actionType": ""
}
```

Response parameters

Key	Data type	Remarks
code	Integer	See error code for details
msg	String	information
currentPage	Integer	Page of inquiry
pageSize	Integer	Number of items are displayed on each page
totalNum	Integer	Total number of items
isMore	Integer	1 represents has next page
totalPage	Integer	totalPage
startIndex	Integer	Start index
Items	List<T>	Data collection
operator	String	Operator

createTime	String	Reqyest time: yyyy-MM-dd HH-mm-ss
actionType	String	Action type:1Refresh label, 2 Uprade, 3 Add, 4 Delete, 5 Binding, 6 Appointed sent demand 7 Warning light
result	String	Operation result: 1 Refresh successfully 2 Refresh failed 3 Error key 4 Upgrade successfully 5 Upgrade failed 6 Invalid firmware package 7 Refresh overtime 8 Upgrade overtime 9 Abnormal screen 10 Gateway offline 11 Template error or does not exist

		12 Gateway hardware issue

Return result sample

```json
{
    "code": 200,
    "msg": "success",
    "currentPage": 1,
    "pageSize": 5,
    "totalNum": 16,
    "isMore": 1,
    "totalPage": 4,
    "startIndex": 0,
    "items": [
        {
            "id": "1603685134035324928",
            "operator": "Cloud_minew",
            "commodity": "",
            "labelMac": "ac233fd151c7",
            "result": "26",
            "objectType": "1",
            "actionType": "9",
            "storeId": "1430800882059972609",
            "createTime": "2022-12-16 17:35:05",
            "createBy": null,
            "updateBy": null,
            "updateTime": null,
            "merchantCode": "758165",
            "gatewayMac": "AC233FC056B8",
            "opCode": 1671183298,
            "goods": {}
        },
        {
            "id": "1603685121339166720",
            "operator": "Cloud_minew",
            "commodity": "",
            "labelMac": "ac233fd151b3",
            "result": "26",
            "objectType": "1",
```

```
        "actionType": "9",
        "storeId": "1430800882059972609",
        "createTime": "2022-12-16 17:35:02",
        "createBy": null,
        "updateBy": null,
        "updateTime": null,
        "merchantCode": "758165",
        "gatewayMac": "AC233FC056B8",
        "opCode": 1671183298,
        "goods": {}
    },
    {
        "id": "1603685121314000896",
        "operator": "Cloud_minew",
        "commodity": "",
        "labelMac": "ac233fd069c2",
        "result": "26",
        "objectType": "1",
        "actionType": "9",
        "storeId": "1430800882059972609",
        "createTime": "2022-12-16 17:35:02",
        "createBy": null,
        "updateBy": null,
        "updateTime": null,
        "merchantCode": "758165",
        "gatewayMac": "AC233FC056B8",
        "opCode": 1671183298,
        "goods": {}
    },
    {
        "id": "1597874044743454720",
        "operator": "Cloud_minew",
        "commodity": "Rainetest001",
        "labelMac": "ac233fd07249",
        "result": "1",
        "objectType": "1",
        "actionType": "1",
        "storeId": "1430800882059972609",
        "createTime": "2022-11-30 16:43:53",
        "createBy": null,
        "updateBy": null,
        "updateTime": null,
        "merchantCode": "758165",
        "gatewayMac": "AC233FC056B8",
```

```json
        "opCode": 1669797791,
        "goods": {
            "id": "Rainetest001",
            "storeId": "1430800882059972609",
            "QRcode": "",
            "barcode": "",
            "barcode1": "",
            "memberPrice": "123",
            "name": "123456789",
            "price": "111223",
            "specification": "スウィート",
            "unit": "987654321",
            "QRCODE": "",
            "EnglishName": "Raine",
            "ArabicName": "Raine",
            "Department": "Raine",
            "Position": "China",
            "Welcome": "Raine",
            "qrcode": "",
            "doctor": "Raine",
            "room-no": "100",
            "Patients1": "Raine",
            "Patients2": "Raine",
            "Patients3": "Raine",
            "price2": "333",
            "origin1": "Raine",
            "origin2": "Raine",
            "barcode2": "",
            "ICON1": "",
            "ICON2": "",
            "ICON3": "",
            "ICON4": "",
            "IMAGE001": "",
            "IMAGE002": "",
            "IMAGE003": "",
            "base64": "",
            "base64001": "",
            "price1": ""
        }
    },
    {
        "id": "1597858548098797568",
        "operator": "Cloud_minew",
        "commodity": "Rainetest001",
```

```json
    "labelMac": "ac233fd07249",
    "result": "1",
    "objectType": "1",
    "actionType": "1",
    "storeId": "1430800882059972609",
    "createTime": "2022-11-30 15:42:19",
    "createBy": null,
    "updateBy": null,
    "updateTime": null,
    "merchantCode": "758165",
    "gatewayMac": "AC233FC056B8",
    "opCode": 1669794094,
    "goods": {
        "id": "Rainetest001",
        "storeId": "1430800882059972609",
        "QRcode": "",
        "barcode": "",
        "barcode1": "",
        "memberPrice": "123",
        "name": "123456789",
        "price": "111223",
        "specification": "スウィート",
        "unit": "987654321",
        "QRCODE": "",
        "EnglishName": "Raine",
        "ArabicName": "Raine",
        "Department": "Raine",
        "Position": "China",
        "Welcome": "Raine",
        "qrcode": "",
        "doctor": "Raine",
        "room-no": "100",
        "Patients1": "Raine",
        "Patients2": "Raine",
        "Patients3": "Raine",
        "price2": "333",
        "origin1": "Raine",
        "origin2": "Raine",
        "barcode2": "",
        "ICON1": "",
        "ICON2": "",
        "ICON3": "",
        "ICON4": "",
        "IMAGE001": "",
```

```
            "IMAGE002": "",
            "IMAGE003": "",
            "base64": "",
            "base64001": "",
            "price1": ""
        }
    }
  ]
}
```

Part 3: Data/product API

3.1 Query dynamic fields

API Description

All fields of data/product are dynamic fields which can be user-defined, except the basic fields. This API could be used when updating the user-defined fields of the data/product.

URL	https://cloud.minewesl.com/apis/esl/scene/findDongTaiZiDuan
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Query dynamic fields of data/product

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login

Sample code

```
https://cloud.minewesl.com/apis/esl/scene/findDongTaiZiDuan
```

Return code description

Return code	Description
200	Success
10059	No permission
12051	Store ID can not be null
12030	Delete failure
12011	The data/product exists already

Return result example

```
{
  "code": 200,
  "msg": "success",
  "data": [
    {
      "_id": "60af6b554149c400017c9527",
      "id": "id",
      "number": 10001,
      "colunmDataType": 7,
      "name": "id",
      "description": null,
      "merchantCode": "878950",
      "prefix": null,
      "createTime": "2021-05-27 18:35:12",
      "createdBy": "1397852390207524864",
      "updateTime": "2021-05-27 18:35:12",
      "updatedBy": "1397852390207524864"
    },
    {
      "_id": "60af6b554149c400017c9528",
      "id": "name",
      "number": 10002,
      "colunmDataType": 0,
      "name": "name",
      "description": null,
      "merchantCode": "878950",
      "prefix": "name:",
      "createTime": "2021-05-27 18:35:12",
      "createdBy": "1397852390207524864",
```

```
      "updateTime": "2021-05-27 18:35:12",
      "updatedBy": "1397852390207524864"
    },
    {
      "_id": "60af6b554149c400017c9529",
      "id": "specification",
      "number": 10003,
      "colunmDataType": 0,
      "name": "specification",
      "description": null,
      "merchantCode": "878950",
      "prefix": "specification:",
      "createTime": "2021-05-27 18:35:12",
      "createdBy": "1397852390207524864",
      "updateTime": "2021-05-27 18:35:12",
      "updatedBy": "1397852390207524864"
    }
  ]
}
```

3.2 Add store data/product

URL	https://cloud.minewesl.com/apis/esl/goods/addToStore
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Add store data

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
id	body	String	true	Data id
storeId	body	String	true	Store id
price	body	String	false	User-defined field example, **ID** of data field

barcode	body	String	false	User-defined field example, **ID** of data field
qrcode	body	String	false	User-defined field example, **ID** of data field

Request demo

```
{
        "id": "6901939721248",
        "storeId": "1328266049345687552"
        "price": "3.99"
        "barcode": "111111111111",
        "qrcode": "http://minewtag.com"
}
```

Return codes description

Return code	Description
200	Success
10059	No permission
12051	Store ID should not be null
12030	Delete failed
12011	Data existed
12070	Store does not exist

Return result example 1

```
{
  "code": 200,
  "message": "success",
  "data": null
}
```

Return result example 2

```
{
    "code": 10059,
    "msg": "No permission",
    "data": null
}
```

3.3 Modify data/product (brush)

URL	https://cloud.minewesl.com/apis/esl/goods/updateToStore
Request Method	POST
Content type	application/json;charset=utf-8
API Description	modify data/product information

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
id	body	String	true	Data id
storeId	body	String	true	Store id
price	body	String	false	User-defined field example, **ID** of data field
barcode	body	String	false	User-defined field example, **ID** of data field
qrcode	body	String	no	User-defined field example, **ID** of data field

Request demo

```
{
     "id": "6901939721248",
     "storeId": "1328266049345687552"
     "price": "3.99"
     "barcode": "111111111111",
     "qrcode": "http://minewtag.com"
}
```

Return codes description

Return code	Description
200	Success
10059	No permission
12051	Store ID should not be null
12030	Delete failed
~~12070~~	~~Store does not exist~~

Return result example 1

```
{
  "code": 200,
  "message": "success",
  "data": null
}
```

Return result example 2

```
{
    "code": 12070,
    "msg": "Store does not exist",
    "data": null
}
```

3.4 Modify data/product in batch (no brush)

URL	https://cloud.minewesl.com/apis/esl/goods/update
Request Method	POST
Content type	application/json;charset=utf-8
API Description	modify the existing data/product, no brush; Data will be added, if there is not the existing data.

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
storeId	Body	String	true	Store ID
goodsList	Body	List<Map<String,Object>>	true	Encapsulate variables that modify data in batches, **ID** of data field
opCode	Body	Integer	false	Pass a different opCode each time, or do not set this parameter (the system will generate one). Less than 10 digits

Request demo

```
{

    "storeId": "1415588300512563200",
    "goodsList": [{
                "id": "122222211111",
                "code": "A1001",
                "name": "apple",
                "quantity": "80",
                "specification": "900",
                "supplier": "Beijing"
        },
        {

                "id": "200",
                "code": "cw1231",
                "name": "milk",
                "quantity": "80",
                "specification": "900",
                "supplier": "Beijing"
        }
    ],
    "opcode": "1234567899"
}
```

Return codes description

Return code	Description
200	Success
10059	No permission
12051	Store ID should not be null
12030	Delete failed
12070	Store does not exist

Return result example 1

```
{
    "code": 200,
    "msg": "success",
    "data": [{
                "code": 12070,
                "msg": "Store does not exist",
```

```
            "data": {
                    "id": "122222211111"
            }
        },
        {

                    "code": 200,
                    "msg": "success",
                    "data": null

        }
    ]
}
```

Return result example 2

```
{
    "code": 10059,
    "msg": "No permission",
    "data": null
}
```

3.5 Delete data/product

URL	https://cloud.minewesl.com/apis/esl/goods/batchDelete
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Delete data/product in batch

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
storeId	Body	String	true	Store ID
idArray	Body	Array	true	String

Request demo

```
{
  "idArray": [
```

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```
    "3",
    "4"
  ],
  "storeId": "1408232104776437760"
}
```

Return codes description

Return codes	Description
200	Success
10059	No permission
12051	Store id can not be null

Return result example 1

```
{
    "code": 200,
    "msg": "success",
    "data": null
}
```

Return result example 2

```
{
    "code": 12051,
    "msg": "Store ID can not be null",
    "data": null
}
```

3.6 Get data/product information

URL	https://cloud.minewesl.com/apis/esl/goods/getByStoreId
Request Method	GET
Content type	application/json;charset=utf-8
API Description	Get all the data/products of the store

Website：www.minewtag.com   Email: info@minewtag.com   Page - 27 -

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
page	Params	Integer	true	Number of page
size	Params	Integer	true	Size of each page
storeId	Params	String	true	Store ID
fuzzy	Params	String	false	Any field names besides serial no.

Request demo

```
https://cloud.minewesl.com/apis/esl/goods/getByStoreId?page=1&size=10&storeId=1326340518839930880&fuzzy=11
```

Return codes description

Return codes	Description
200	Success
10059	No permission

Return result example 1

```
{
        "code": 200,
        "currentPage": 10,
        "pageSize": 10,
        "totalNum": 2,
        "isMore": null,
        "totalPage": null,
        "startIndex": null,
        "items": [{
                "objectId": "5fadf90fa3ad9aa72cae4c89",
                "id": "100999",
                "barcode": 2342343,
                "qrcode": "12121212",
                "label1": "11111111",
```

```
            "label2": "",
            "label3": "111",
            "label4": "test",
            "label5": "apple",
            "label6": "666",
            "label7": "No",
            "label8": "",
            "label9": "Class1",
            "label10": "box",
            "label11": "Xinjiang",
            "label12": "Minew",
            "label13": "",
            "label14": "",
            "label15": "",
            "label16": "",
            "label17": "",
            "label18": "",
            "photo1": null,
            "photo2": null,
            "photo3": null,
            "photo4": null,
            "photo5": null,
            "status": "NotBound",
            "createTime": "2021-01-15 16:59:58",
            "updateTime": "2020-11-13 12:22:40",
            "storeId": "1326340518839930880",
            "merchantCode": null,
            "msg": null
        }]
}
```

Return result example 2

```
{
    "code": 12051,
    "msg": "Store ID can not be null",
    "data": null
}
```

3.7 Get data (specific)

URL	https://cloud.minewesl.com/apis/esl/goods/singleQuery
Request Method	GET
Content type	application/json;charset=utf-8
API Description	Query data by data ID

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Headers	String	true	
storeId	Params	String	true	Store ID
id	Params	String	true	Goods ID

Request demo

```
https://cloud.minewesl.com/apis/esl/goods/singleQuery?storeId=1919948164840820
736&id=2
```

Explanation for return codes

Return code	Description
200	Success
10059	No authority
12068	Data does not exist

Return result example

```
{
    "code": 200,
    "msg": "success",
    "data": {
        "id": "2",
        "barcode128": "",
        "barcode13": "",
        "date": "05/01/2025",
        "icon_demo": "",
        "place": " La Noscea Coastal Zone",
        "promotion": "",
        "qrcode": "",
        "quantity": "150",
        "LCD": "",
        "carousel1": [],
        "image1": "/files/forward/esl/149642/image/1928460350701703168.jpg",
        "product": "",
        "discount": "",
        "product2": "",
        "price1": "",
        "price2": "",
        "Label-Mac-Barcode": "",
        "Label-Mac-QRCode": "",
        "Label-Mac-Text": "",
        "Label-Number": ""
    }
}
```

3.8 Query the binding tag and the store it belongs to by data/product

URL	https://cloud.minewesl.com/apis/esl/goods/findByGoodsId
Request Method	GET
Content type	
API Description	Query the binding tag and the store it belongs to by data/product

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
goodsId	Params	String	true	data/product id

Request demo

```
https://cloud.minewesl.com/apis/esl/goods/findByGoodsId?goodsId=6901939
721248
```

Return codes description

Return codes	Description
200	Success

Return result example 1

```
{
  "code": 200,
  "message": "success",
  "data": [
        {
            "demoId": "228a6933d5f54951884ae99433ff3d2d",
            "storeId": "1328266049345687552",
            "mac": "ac233fd010aa"
        }
  ]
}
```

Return result example 2

```
{
    "code": 10059,
    "msg": "No permission",
    "data": null
}
```

3.9. Query the binding relationship of the tag by mac/data and store

URL	https://cloud.minewesl.com/apis/esl/label/batchBindQuery
Request Method	POST
Content type	application/json; charset=utf-8
API description	Query the binding relationship of the tag by mac/data and store

Request Parameters

Key	Position	Data type	Necessary	Remark
macs	Body	List<String>	true	Mac collection
storeId	Body	String	true	Store id
goodIds	Body	List<String>	false	Mac collection or data ID collection, choose one

Request demo

```
{
        "macs": ["a00ee2300030", "ac233fd15340"],
        "storeId": "1813398695832457216"
}
```

Explanation for return codes

Return code	Description
200	Success
10059	No permission

12051	Store ID should not be null

Return result example

```
{
    "code": 200,
    "msg": "Success",
    "data": [
        {
            "goodId": "1001",
            "mac": "ac233fc0f5b5",
            "demoId": "13131313",
            "storeId": "123123131"
        },
        {
            "goodId": "1002",
            "mac": "ac233fc0f5b6",
            "demoId": "13131313",
            "storeId": "123123131"
        }
    ]
}
```

3.10 Add/Modify data/product in batch and brush(including turn on and off the RGB light)

URL	https://cloud.minewesl.com/apis/esl/goods/batchUpdateBrush
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Modify data/products in batch and brush (including turn on and off the RGB light)

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login

goodsList	Body	List	true	data/product list, **ID** of data field
storeId	Body	String	true	Store ID
color	Body	Integer	false	Light's color: 0:off, 1:blue, 2:green, 3:red, 4:yellow, 5: white, 6:pink, 7:cyan
total	Body	Integer	false	total time = time cycle * cycles, unit: s
period	Body	Integer	false	turn-on time in one cycle, unit: ms, range:[1,interval-1]
interval	Body	Integer	false	Time cycle, unit: ms
brightness	Body	Integer	false	Light brightness: 1-100
opCode	Body	Integer	false	Pass a different opCode each time, or do not set this parameter (the system will generate one). Less than 10 digits

Remark:

Params like color，total，period，interval can be ignored if no operation related to the RGB light.

Request demo

```
https://cloud.minewesl.com/apis/esl/goods/batchUpdateBrush
{
  "goodsList":[
      {
      "id": "1",
      "storeId": "1408232104776437760",
      "Reservation": "",
      "coding": "",
      "date": "",
      "meetingTime": "",
      "name": "HarryPotter",
      "theme": "",
      "author": "J.K.Rowling",
    },
    {
```

```
      "id": "2",
      "storeId": "1408232104776437760",
      "author": "Stephen William Hawking",
      "name": "A Brief Story of Time"
    }
  ],
  "storeId":"1408232104776437760",
  "total":15,
  "period":100,
  "interval":900,
  "brightness":100,
  "color":1
}
```

Return codes description

Return codes	Description
200	Success
10059	No permission
12051	Store id can not be blank or null
12070	The store does not exist

Return result example 1

```
{
  "code": 200,
  "msg": "success",
  "data": [
    {
      "ac233fd010ac": {
        "code": 200,
        "msg": "success",
        "data": "ac233fd010ac"
      }
    },
    {
      "ac233fd0c37f": {
        "code": 200,
        "msg": "success",
        "data": "ac233fd0c37f"
      }
```

```
    }
  ]
}
```

Return result example 2

```
{
    "code": 12070,
    "msg": "The store does not exist",
    "data": null
}
```

3.11 Add system data

URL	https://cloud.minewesl.com/apis/sys/goods/addGoods
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Add system data

Request Parameters

Key	Position	Data type	Necessary	Remark
token	Header	String	true	Token value from login
id	Body	String	true	System data ID
barcode13	Body	String	false	Customized field
barcode128	Body	String	false	Customized field
qrcode	Body	String	false	Customized field
place	Body	String	false	Customized field
price1	Body	String	false	Customized field
price2	Body	String	false	Customized field

Request demo

```
https://cloud.minewesl.com/apis/sys/goods/addGoods
{
  "id":"235",
  "quantity":"13",
  "barcode13":"1234567890123",
  "barcode128":"2345678",
  "qrcode":"https://minew.com",
  "place":"Shenzhen",
  "date":"20250616",
  "promotion":"20250606",
  "product":"Monster Drink",
  "discount":"20%off",
  "product2":"Sweet Drink",
  "price1":"5",
  "price2":"2.33"
}
```

Return codes description

Return codes	Description
200	Success
10059	No permission
14002	Token invalid or wrong
12030	Field has no permissions
12104	ID is empty

Return result example

```
{
    "code": 200,
    "msg": "success",
    "data": null
}
```

3.12 Modify existed system data

URL	https://cloud.minewesl.com/apis/sys/goods/modify
Request Method	PUT
Content type	application/json;charset=utf-8
API Description	Modify existed system data

Request Parameters

Key	Position	Data type	Necessary	Remark
token	Header	String	true	Token value from login
id	Body	String	true	System data ID
barcode13	Body	String	false	Customized field
barcode128	Body	String	false	Customized field
qrcode	Body	String	false	Customized field
place	Body	String	false	Customized field
price1	Body	String	false	Customized field
price2	Body	String	false	Customized field

Request demo

```
https://cloud.minewesl.com/apis/sys/goods/modify
{
 "id":"235",
 "quantity":"10",
 "barcode13":"1234567890123",
 "barcode128":"234567222228",
 "qrcode":"https://google.com",
 "place":"Los Angeles",
 "date":"20250616",
 "promotion":"20250606",
 "product":"Monster Drink",
 "discount":"30%off",
 "product2":"Sweet Drink",
 "price1":"6",
```

```
 "price2":"2.44"
}
```

Return codes description

Return codes	Description
200	Success
10059	No permission
14002	Token invalid or wrong
12030	Field has no permissions

Return result example 1

```
{
    "code": 200,
    "msg": "success",
    "data": null
}
```

Return result example 2

```
{
    "code": 10059,
    "msg": "No permission",
    "data": null
}
```

Part 4: Template API

4.1 Query the store template list

URL	https://cloud.minewesl.com/apis/esl/template/findAll
Request Method	GET
Content type	

API Description	Query template information by http fuzzy keywords like template color,store id, screen information, size etc.

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
page	Params	Integer	true	Current page
size	Params	Integer	true	Page size
fuzzy	Params	String	false	Fuzzy query the template
color	Params	String	false	Template color
inch	Params	double	false	Template size
storeId	Params	String	true	Store ID
screening	Params	Integer	false	0：all templates；1：system template；other number：store template

Request demo

```
https://cloud.minewesl.com/apis/esl/template/findAll?page=1&size=6&storeId=1341258324526391296&screening=2&inch=0&color&fuzzy
```

Return codes description

Return code	Description
200	Success

Return result example 1

```
{
    "code": 200,
    "msg": null,
    "data": {
        "code": null,
        "page": 1,
        "size": 6,
        "totalPage": 1,
```

```
        "totalCount": 1,
        "rows": [
            {
                "demoId": "a7cf6e2b1b79499295fb19d7b5ba2900",
                "demoName": "1.54template",
                "screenSize": {
                    "inch": 2.9,
                    "width": 296,
                    "height": 128
                },
                "demoData": "{\"inch\":2.9,\"resolution\":{\"width\":2
96,\"height\":128},\"transpose\":0,\"color_space\":\"mBW\",\"elements\
":{\"0\":{\"id\":\"label1\",\"type\":\"text\",\"x\":27,\"y\":24,\"font
_size\":12,\"font_family\":\"WqyBitmapSong_AlibabaPuhui\",\"align\":\"
left\",\"bold\":false,\"prefix\":true,\"color\":\"black\",\"effect\":\
"none\",\"static\":false,\"isQuick\":false},\"1\":{\"id\":\"label2\",\
"type\":\"text\",\"x\":50,\"y\":53,\"font_size\":12,\"font_family\":\"
WqyBitmapSong_AlibabaPuhui\",\"align\":\"left\",\"bold\":false,\"prefi
x\":true,\"color\":\"black\",\"effect\":\"none\",\"static\":false,\"is
Quick\":false},\"2\":{\"id\":\"label4\",\"type\":\"text\",\"x\":28,\"y
\":89,\"font_size\":12,\"font_family\":\"WqyBitmapSong_AlibabaPuhui\",
\"align\":\"left\",\"bold\":false,\"prefix\":true,\"color\":\"black\",
\"effect\":\"none\",\"static\":false,\"isQuick\":false},\"3\":{\"id\":
\"label9\",\"type\":\"text\",\"x\":165,\"y\":29,\"font_size\":12,\"fon
t_family\":\"WqyBitmapSong_AlibabaPuhui\",\"align\":\"left\",\"bold\":
false,\"prefix\":true,\"color\":\"black\",\"effect\":\"none\",\"static
\":false,\"isQuick\":false}}}",
                "color": "black",
                "previewing": {
                    "barcode": null,
                    "qrcode": null,
                    "label1": "6666666666666",
                    "label2": "text",
                    "label3": null,
                    "label4": "text",
                    "label5": null,
                    "label6": null,
                    "label7": null,
                    "label8": null,
                    "label9": "text",
                    "label10": null,
                    "label11": null,
                    "label12": null,
                    "label13": null,
```

```
            "label14": null,
            "label15": null,
            "label16": null,
            "label17": null,
            "photo1": null,
            "photo2": null,
            "photo3": null,
            "photo4": null,
            "photo5": null
        },
        "storeId": "1341258324526391296",
        "orientation": 0,
        "version": "2.0",
        "merchantCode": "886092",
        "type": 1,
        "modify": 1,
        "crops": []
      }
    ]
  }
}
```

Return result example 2

```
{
  "success": false,
  "code": 10009,
  "data": null,
  "message": "parameters error"
}
```

4.2 Template preview for unbound data

URL	https://cloud.minewesl.com/apis/esl/template/previewTemplate
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Query the template preview image using the template name in the format base64

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
demoName	Param	String	true	Template name

Request demo

```
https://cloud.minewesl.com/apis/esl/template/previewTemplate?demoName=
77411
```

Response parameters

Key	Data type	Remarks
code	Integer	See error code for details
msg	String	information
data	Object	String for image base64

Return codes description

Return codes	Description
200	Success

Return result example

```
{
    "code": 200,
    "msg": null,
    "data": "Qk02vAEAAAAAADYAAAoAAAAKAEAAIAAAABABgAAAAAAAC8AQDEDgAAx
A4AAAAAAAAAA//////
"
}
```

4.3 Template preview for bound data

URL	https://cloud.minewesl.com/apis/esl/template/preview
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Query the preview image of the template with bound data, the return is in base64 format

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
demoName	Param	String	true	Template name
id	Param	String	true	Data id
storeId	Param	String	true	Store id

Request demo

```
https://cloud.minewesl.com/apis/esl/template/preview?demoName=2.13&id=6
14420&storeId=1430466345245347840
```

Response parameters

Key	Data type	Remarks
code	Integer	See error code for details
msg	String	information
data	Object	String for image base64

Return codes description

Return codes	Description
200	Success

Return result example

```
{
    "code": 200,
    "msg": null,
    "data": "Qk02vAEAAAAAADYAAAAoAAAAKAEAAIAAAAABABgAAAAAAAC8AQDEDgAAx
A4AAAAAAAAAAAAA//////
"
}
```

4.4 Establish a binding relationship between label template and data according to the template strategy

URL	https://cloud.minewesl.com/apis/esl/label/bind/generateBinding ByTemplateStrategy
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Establish a binding relationship between label template and data according to the existed template strategy

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
labelTemplateDat aVOList	Body	List<LabelT emplateDat	true	Binding label and data

			aVO>		
	labelMac	Body	String	true	Label MAC address
	goodsId	Body	String	true	Bind data ID
	rule	Body	String	false	11 is to refresh A and B sides of a label; 01 is to refresh B side data; 10 is to refresh A side data
storeId		Body	String	true	The store ID

Request demo

```
https://cloud.minewesl.com/apis/esl/label/bind/generateBindingByTemplate
y

{
 "labelTemplateDataVOList":
  [
   {
     "labelMac": "ac233fd12717",
     "goodsId": "001"
   }
  ],
"storeId": "1919948164840820736"
}
```

Response Parameters

Key	Data type	Remark
code	Integer	Please refer to the interface error codes for more detailed information.
msg	String	Messages information
data	Map<String, HttpResponse>	Each label bind information
code	Integer	Please refer to the interface error codes for more detailed information.
msg	String	Messages information
data	Object	Data send back

Return codes description

Return codes	Description
200	Success
5000	System Exception
10059	No authority
12014	Haven't import the label
54031	Label has been offline
12046	No such data information, please import or add it first
54011	Template size does not match label size or color does not match
12042	The bound template does not exist
54015	Gateway offline

Return result example 1

```
{
    "code": 200,
    "msg": "success",
    "data": {
        "ac233fd12717": {
            "code": 200,
            "msg": "success",
            "data": null
        }
    }
}
```

Return result example 2

```
{
    "code": 200,
    "msg": "success",
    "data": {
        "ac233fd12717": {
            "code": 12014,
            "msg": "No tag imported",
            "data": null
        }
    }
}
```

Part 5: Gateway API

5.1 Add gateway

URL	https://cloud.minewesl.com/apis/esl/gateway/add
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Add gateway

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
mac	Body	String	true	Gateway Mac address
name	Body	String	true	Gateway name
storeId	Body	String	true	Store ID

Request demo

```
{
  "mac": "AC233FC03CEC",
  "name": "GW-AC233FC03CEC",
  "storeId": "1328266049345687552"
}
```

Return codes description

Return codes	Description
200	Success
10059	No permission
12056	Gateway exists already
12055	Operation failed, please check the network and Parameters

Return result example

```
{
  "code": 200,
  "message": "success",
  "data": null
}
```

5.2 Delete gateway

URL	https://cloud.minewesl.com/apis/esl/gateway/delete
Request Method	GET

Content type	
API Description	Delete gateway

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
id	Params	String	true	
storeId	Params	String	true	

Request demo

```
https://cloud.minewesl.com/apis/esl/gateway/delete?id=13492449358779555
84&storeId=1328266049345687552
```

Return codes description

Return codes	Description
200	Success
10059	No permission
12001	Paramseter is null

Return result example 1

```
{
  "code": 200,
  "message": "success",
  "data": null
}
```

Return result example 2

```
{
    "code": 10059,
    "msg": "No permission",
    "data": null
}
```

5.3 Query gateway list

URL	https://cloud.minewesl.com/apis/esl/gateway/listPage
Request Method	GET
Content type	application/json;charset=utf-8
API Description	Query gateway information in the corresponding store by HTTP

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
storeId	Params	String	true	The store id acquired from store API
page	Params	Integer	true	The page that query starts from
size	Params	Integer	true	Max. Value per page

Request demo

```
https://cloud.minewesl.com/apis/esl/gateway/listPage?page=1&size=10&storeId=1326065100695539712
```

Response parameters

Key	Data type	Remarks
code	Integer	See return code for details

currentPage	Integer	Current page
pageSize	Integer	
TotalNum	Integer	
isMore	Integer	1 means there is a next page, 0 means there is no page
totalPage	Integer	
startIndex	Integer	
items	Object	Paging result: Contains gateway information
id	String	Gateway id
name	String	Gateway name
mac	String	Gateway mac
mode	Integer	1: online, 0: offline
storeId	String	
hardware	String	Hardware version
firmware	String	Firmware version
product	String	Product model
bluetooth	String	
wifiVersion	String	
bleVersion	String	
subModel	String	Gateway model
createTime	Date	
updateTime	Date	
createBy	String	
updateBy	String	
merchantCode	String	
remark	String	

Return result example

```
{
    "code": 200,
    "currentPage": 1,
    "pageSize": 10,
    "totalNum": 10,
    "isMore": 0,
    "totalPage": 1,
    "startIndex": 0,
    "items": [
        {
            "id": "1331182970240765952",
            "name": "AC233FC03D99",
            "mac": "AC233FC03999",
            "mode": 0,
            "storeId": "1326065100695539712",
            "hardware": null,
            "firmware": null,
            "product": null,
            "bluetooth": null,
            "wifiVersion": null,
            "bleVersion": null,
            "subModel": null,
            "createTime": "2020-11-24 18:28:46",
            "updateTime": "2020-11-24 18:28:46",
            "createBy": "1325608932021899264",
            "updateBy": "1325608932021899264",
            "merchantCode": "997553",
            "remark": null
        },
        {
            "id": "1346352267250372608",
            "name": "AC233FC03D33",
            "mac": "AC233FC03D33",
            "mode": 0,
            "storeId": "1326065100695539712",
            "hardware": null,
            "firmware": null,
            "product": null,
            "bluetooth": null,
            "wifiVersion": null,
            "bleVersion": null,
```

```
            "subModel": null,
            "createTime": "2021-01-05 15:06:09",
            "updateTime": "2021-01-05 15:06:09",
            "createBy": "1325608932021899264",
            "updateBy": "1325608932021899264",
            "merchantCode": "997553",
            "remark": null
        }
    ]
}
```

5.4 Modify gateway information

URL	https://cloud.minewesl.com/apis/esl/gateway/update
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Modify gateway information in the corresponding store by HTTP

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
id	Body	String	true	Gateway id or mac
name	Body	String	true	Gateway name

Request demo

```
{
  "id":"1339854807833251840",
  "name":"AC233FC03D511"
}
```

Return codes description

Return codes	Description

200	Success
10059	No permission
12004	Lack of request Parameters

Return result example

```
{
    "code": 200,
    "msg": "success",
    "data": null
}
```

Part 6: Device/tag API

6.1 Add devices in batch

URL	https://cloud.minewesl.com/apis/esl/label/batchAdd
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Add devices in batch

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
storeId	Body	String	true	
macArray	Body	Array	true	String format of mac addresses
type	Body	Integer	true	1 is tag, 5 is warning light

Request demo

```
{
"storeId":"1588041156676",
"macArray":[
"ac233fd01335","ac233fd01336"
```

```
],
"type":1
}
```

Return codes description

Return codes	Description
200	Success
10059	No permission
12067	The store ID does not exist
12099	No device data

Return result example 1

```
{
  "code": 12067,
  "data": null,
  "message":"The store ID does not exist"
}
```

Return result example 2

```
{
  "code": 200,
  "data": {"ac233fd01335": "success","ac233fd00708":"success"},
  "message": success
}
```

6.2 Wake up devices in batch according to the label mac

URL	https://cloud.minewesl.com/apis/esl/label/batchWake
Request Method	POST
Content type	
API Description	Wake up MIX firmware labels in batch according to the mac. This API is only used when the label status is judged by the platform to be "offline" (For example, when a label is added for the first time or a gateway is working again after a prolonged power/network outage).

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
mac	Body	List<String>	true	label mac
storeId	Params	String	true	Store ID

Request demo

```
https://cloud.minewesl.com/apis/esl/label/batchWake?storeId=1470218173
264433152
["ac233fd01107","ac233fd15126","ac233fd01a18"]
```

Return codes description

Return codes	Description
200	Success
10059	No permission
12014	Tags are not imported
12024	Please add gateway first
12054	Wrong parameter, please check
54015	Gateways are offline, update failed
54031	The label is offline, unable to refresh
54041	BLE version does not need to wake up

Request demo

```
{
    "code": 200,
    "msg": "success",
    "data": null
}
```

6.3 Delete devices in batch

URL	https://cloud.minewesl.com/apis/esl/label/batchDeleteLabels
Request Method	POST
Content type	application/json
API Description	Delete devices in batch

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
storeId	Body	String	true	Store ID
macs	Body	List<String>	true	Device IDs

Request demo

```
https://cloud.minewesl.com/apis/esl/label/batchDeleteLabels {"macs":["
ac233fc03cec","ac233fc03ced"],"storeId":"1341258324526391296"}
```

Return codes description

Return codes	Description
200	Success
10059	No permission
12051	Store ID can not be null
12020	The label does not exist or the MAC address is wrong

Return result example

```
{
"code": 200,
"msg": "success",
"data": [
{
"code": 200,
```

```
"msg": "success",
"data": null
},
{
"code": 200,
"msg": "success",
"data": null
}
]
}
```

6.4 Get device list

URL	https://cloud.minewesl.com/apis/esl/label/cascadQuery
Request Method	GET
Content type	
API Description	Query device list

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token from login
page	Params	Integer	true	Current page
size	Params	Integer	true	Page size
storeId	Params	String	true	Store id
fuzzy	Params	String	false	like：2.13
eqstatus	Params	List<Integer>	true	Tag status: 1. offline, 2. online, 5. low battery, 8. bound data, 9. unbound data
type	Params	Integer	true	Device type：1 represents tag；2 represents warning light

Request demo

https://cloud.minewesl.com/apis/esl/label/cascadQuery?page=1&size=10&s

```
toreId=1328266049345687552&eqstatus=2,3&type=1
```

Response parameters

Key	Data Type	Remark
code	Integer	See return code description
currentPage	Integer	Current page num
pageSize	Integer	Size of each page
totalNum	Integer	
isMore	Integer	Is there next page
totalPage	Integer	
startIndex	Integer	
items	Object	
id	String	Device id
mac	String	Device mac address
type	Integer	1: ESL；2: Warning light
screenSize	String	
activeKey	String	activeKey
battery	Integer	Battery level percentage
lastUpdate	Date	
heartbeat	String	
firmware	String	Firmware version
hardware	String	

manufacturer	String	
storeId	String	
temperture	Double	
rssi	Integer	
createTime	Date	
updateTime	Date	
create_by	String	
update_by	String	
merchantCode	String	
remark	String	
doubleSide	String	1: single screen; 2: double-sided screen
firmwareType	String	0: MIX firmware; 1: BLE firmware
isOnline	String	1: offline, 2: online

Return codes description

Return codes	Description
200	Success
10059	No permission

Return result example

```
{
    "code": 200,
    "msg": "success",
    "currentPage": 1,
    "pageSize": 10,
    "totalNum": 4,
    "isMore": 0,
```

```json
    "totalPage": 1,
    "startIndex": 0,
    "items": [
        {
            "id": "1352070932163727360",
            "mac": "ac233fd010e2",
            "screenSize": "10",
            "bind": "1",
            "activekey": "3141592653589793",
            "password": null,
            "battery": 100,
            "lastupdate": "2021-02-19 13:59:11",
            "heartbeat": "0",
            "software": null,
            "Request MethodStack": null,
            "firmware": "3.0.0",
            "hardware": null,
            "manufacturer": "Minew",
            "storeId": "1328266049345687552",
            "temperature": 21.0,
            "chip": null,
            "rssi": -59,
            "peripheral": null,
            "createTime": "2021-01-21 09:50:05",
            "updateTime": "2021-02-19 15:32:59",
            "createBy": null,
            "updateBy": null,
            "merchantCode": "029733",
            "remark": null,
            "doubleSide": "1",
            "firmwareType": "0",
            "isOnline": "1",
            "goodsId": null,
            "goodsIds": null,
            "screenInfo": {
                "inch": 4.2,
                "width": 400,
                "height": 300,
                "color": "bwr"
            }
        }
    ]
}
```

6.5 Bind devices

URL	https://cloud.minewesl.com/apis/esl/label/update
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Bind tag with template, data/product and store (Create the template and create data/product before binding)

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token from login
storeId	Body	String	true	Store id
labelMac	Body	String	true	Mac address of tag
goodsId	Body	String	true	data/product id
demoIdMap	Body	String	true	Template ID map list, Map<key,value>，key =A(front)，key =B(the opposite)

Request demo 1（single-screen display）

```
https://cloud.minewesl.com/apis/esl/label/update
{
"labelMac":"AC233FD007A2",
"goodsId":"6901939721247",
"storeId":"1328266049345687552",
"demoIdMap":{"A":"1397855106749173760"}
}
```

Request demo 2（double-screen display）

```
https://cloud.minewesl.com/apis/esl/label/update
{
"labelMac":"AC233FD007A2",
"goodsId":"6901939721247",
"storeId":"1328266049345687552",
"demoIdMap":{"A":"1397855106749173760","B":"1397877580064886784"}
}
```

Return codes description

Return codes	Description
200	Success
10059	No permission
12043	Bound already
12044	Bound failed
12045	Template doesn't match with the tag size
12042	Template does not exist
12046	Can not find the data/product, please add first
12047	Can not find the tag, please import the tag first.
12004	Lack of request Parameters
12015	Empty template
50243	Template parameter error

Return result example

```
{
  "code": 200,
  "data": null,
  "message": "success "
}
```

6.6 Delete the binding relationship between tag and data

URL	https://cloud.minewesl.com/apis/esl/label/deleteBind
Request Method	POST
Content type	
API Description	Delete the binding relationship between the label and the data and template. If the label has a corresponding initialization template, it will be refreshed to the initialization template.

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
mac	Params	String	true	Mac address of tag
storeId	Params	String	true	Store id

Request demo

```
https://cloud.minewesl.com/apis/esl/label/deleteBind?mac=ac233fd90007&storeId=1549629697900417024
```

Return codes description

Return codes	Description
200	Success
10059	No permission
12020	The label does not exist or the MAC address is wrong
12070	The store id is non-existent
12016	Label has no binding data
12092	Label data binding relationship deletion failed
54033	The label has no corresponding factory image

Return result example

success

```
{
  "code" : 200,
  "msg" : "success",
  "data" : null
}
```

failure

```
{
    "code": 12016,
    "msg": "Label has no binding data",
    "data": null
}
```

6.7 Light up RGB light by tag mac

URL	https://cloud.minewesl.com/apis/esl/label/led
Request Method	GET
Content type	
API Description	Light up the RGB light by tag's mac address

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
mac	Params	String	true	Mac address of tag
storeId	Params	String	true	Store id
color	Params	Integer	true	0: off, 1: blue, 2: green, 3: red, 4: yellow, 5: white, 6: magenta, 7:aquamarine.
total	Params	Integer	true	A full circle is the time of turn-on time plus turn-off time, the total time is a full circle time * circles
period	Params	Integer	true	One turn-on timeslot, unit: ms
interval	Params	Integer	true	One turn-off timeslot, unit: ms
brightness	Params	Integer	true	Light's brightness, 1~100, the bigger digit means more brightness

Request demo

```
https://cloud.minewesl.com/apis/esl/label/led?storeId=1341258324526391296&color=1&total=6&period=500&interval=900&brightness=100&mac=ac233fd00fe0
```

Return codes description

Return codes	Description
200	Success
10059	No permission
12020	The label does not exist or the MAC address is wrong

Return result example

```
{
  "code": 10059,
  "data": null,
  "message": "No permission"
}
```

6.8 Refresh tags in batch (brush)

URL	https://cloud.minewesl.com/apis/esl/label/ batchBrush
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Update tags in batch (Data/product and template should be bound first)

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	header	String	true	Token value from login
storeId	Body	String	true	Store id
macs	Body	Array	true	String

Request demo

```
{
"macs":["ac233fd01335","ac233fd00708"],
"storeId":"1408232104776437760"
}
```

Return codes description

Return codes	Description
200	Success
10059	No permission
54015	Gateways are offline, update failed

12014	Tags are not imported
12016	The label is not bound to data
12024	Please add gateway first
54031	The label is offline, unable to refresh

Return result example

```
{
  "code": 200,
  "msg": "success",
  "data": {
    "fail": 1,
    "total": 2,
    "data": {
      "ac233fd010ac": {
        "code": 12014,
        "msg": "Tags are not imported",
        "data": null
      },
      "ac233fd2794a": {
        "code": 200,
        "msg": "success",
        "data": null
      }
    }
  }
}
```

6.9 Add/modify the binding relationship (batch)

URL	https://cloud.minewesl.com/apis/esl/label/batchBinding
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Add or modify binding relationships in batches

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	header	String	true	Token value from login

storeId	Body	String	true	Store id
labelTemplateDataVOList	Body	List	true	Binding relationship collection
labelMac	Body	String	true	Mac address of the tag
goodsId	body	String	true	Data ID
demoIdMap	Body	Map<key,value>	true	Template ID

Request demo

```
{
  "labelTemplateDataVOList": [
    {
      "labelMac": "ac233fc0f5b5",
      "goodsId": "1001",
      "demoIdMap": {
          "A":"1231231231231"
          }
    }
  ],
  "storeId": "123123123123"
}
```

Return codes description

Return codes	Description
200	Success
12014	Tag does not exist
54011	Tag doesn't compatible with template

Return result example

Success
```
{
    "code": 200,
    "msg": "success",
    "data": {
        "ac233fd032da": {
            "code": 200,
```

```
        "msg": "success",
        "data": null
    }
  }
}
```

6.10 Modify & brush the binding relationship of tags, data & templates (brush)

URL	https://cloud.minewesl.com/apis/esl/label/updateBindBrush
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Modify and brush the data/product information or template of the tag. 1. Modify the data/product information of the tag； 2. Modify the bound template； 3. Support turn on/ off the RGB light. 4. Support update (gateway & label online) 5. Support picture data, the data is base64 string format (https://base64.us), (The key value is the ID of the images field to which the template image element is bound)

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	header	String	true	Token value from login
labelMac	Body	String	true	Mac address of the tag
storeId	Body	String	true	Store id
goodsMap	body	Map<key,value>	true	The bound data/product of the tag.The id of the data is required, then fill in the **ID** of the data field and the value to be modified.
demoIdMap	Body	Map<key,value>	true	Template ID map list, Map<key,value>，key =A means front side，key =B means the opposite side

color	Body	Integer	false	Light's color，0: off，1:blue; 2:green; 3:red; 4: yellow; 5: white; 6: magenta; 7:aquamarine.
total	Body	Integer	false	total time = time cycle * cycles, unit: s
period	Body	Integer	false	turn-on time in one cycle, unit: ms, range:[1,interval-1]
interval	Body	Integer	false	Time cycle, unit: ms
brightness	Body	Integer	false	Light brightness: 1-100
opCode	Body	Integer	false	Pass a different opCode each time, or do not set this parameter (the system will generate one). Less than 10 digits

Remarks

Params like color，total，period，interval, brightness should be ignored if no operation related to RGB light.

Request demo

```
{
      "storeId": "1419481971267997696",
    "labelMac": "ac233fd0111f",
     "goodsMap": {
            "id": "goods1",
            "memberPrice": "660",
            "name": "testname123456",
            "origin": "testlocation",
            "price": "666"
             "image":"base64 Picture conversion code"
     },
     "demoIdMap": {
            "A": "1752620630798241724"
     },
     "opCode": 1234567899,
     "brightness": 100,
```

```
        "color": 1,
        "interval": 900,
        "period": 500,
        "total": 2
}
```

Return codes description

Return codes	Description
200	Success
10059	No permission
12042	Template does not exist
12051	Store ID can not be blank or null
12068	Data does not exist
12070	Store does not exist
54028	Data field is not the same as defined field
54031	The label is offline, unable to refresh

Return result example

Success

```
{
    "code": 200,
    "msg": "success",
    "data": 200
}
```

Failure

```
{
    "code": 12042,
    "msg": "Template does not exist.",
    "data": null
}
```

6.11 Import the system data to the appointed store

URL	https://cloud.minewesl.com/apis/system/goods/import
Request Method	POST

Content type	application/json;charset=utf-8
Content-Ty	multipart/form-data
API Description	1) Download the latest import template; 2) Fill, modify or newly added modified data; 3) Perform the import, if the data ID which binding tag will update; 4) Successful execution, return the number of successfully imported data & the list of failed data

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	header	String	true	Token value from login
storeIdList	Params	List	true	Store id list; When the value is empty, represent to import system data file to all the store
file	Body	Form-data	true	Get file "dataTemplate.xls" from Store->Store data->Import->Import data->Download template

Request demo 1

```
https://cloud.minewesl.com/apis/system/goods/import?storeIdList=1422849
708086267905,1425032158484893696
```

Request demo 2

```
https://cloud.minewesl.com/apis/system/goods/import?storeIdList=
```

Return codes description

Return codes	Description
200	Success
10059	No permission
10006	Please select the file to upload

Return result example

Success

```
{
    "code": 200,
    "msg": "success",
    "data": {
        "path": "",
        "successSize": 2,
        "failSize": 0
    }
}
```

Failure

```
{
    "code": 10006,
    "msg": "Please select the file to upload.",
    "data": null
}
```

6.12 Add remarks of the device

URL	https://cloud.minewesl.com/apis/esl/label/updateRemark
Request method	POST
Content type	application/json;charset=utf-8
API description	Add remarks of the device

Request Parameters

Key	Position	Data type	Necessary	Remark
token	header	String	true	Token value from login
mac	Body	String	true	Label Mac

remark	Body	String	true	Remark info
storeId	Body	String	true	Store ID

Request demo

```
{"mac":"ac233fd11111","remark":"Daily necessary area","storeId":"138433553787519
3856"}
```

Return codes description

Return codes	Description
200	Success
12020	The label does not exist or the MAC address is wrong

Return result example

Success
```
{
    "code": 200,
    "msg": "success",
    "data": null
}
```

Failure
```
{
    "code": 12020,
    "msg": "The label does not exist or the MAC address is wrong",
    "data": null
}
```

6.13 Query bound data according to label Mac

URL	https://cloud.minewesl.com/apis/esl/label/queryBinding

Request Method	GET
Content type	application/json;charset=utf-8
API Description	Query bound data according to label Mac

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
mac	Params	String	true	Lable Mac
storeId	Params	String	true	Store ID

Request demo

```
https://cloud.minewesl.com/apis/esl/label/queryBinding?mac=ac233fc0325d
&storeId =1341258324526391296
```

Return codes description

Return codes	Description
200	Success
10059	no permission
12047	Mac address not exist or wrong

Return result example 1

```
{
"code": 200,
"message": "success",
"data": [
{
"demoId": "228a6933d5f54951884ae99433ff3d2d",
"storeId": "1328266049345687552",
"mac": "ac233fd010aa",
"goodsId": "6901939721248"
}
]
```

```
}
```

Return result example 2

```
{
"code": 10059,
"msg": "permission denied",
"data": null
}
```

6.14 Query device specific information

URL	https://cloud.minewesl.com/apis/esl/label/findByMac
Request Method	GET
Content type	application/json;charset=utf-8
API Description	Query single device specific information

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
mac	Params	String	false	Lable Mac

Request demo

```
https://cloud.minewesl.com/apis/esl/label/findByMac?mac=ac233fc05d11
```

Response parameters

Key	Data Type	Remark
code	Integer	See Return code description
msg	String	

data	Object	
id	String	Device id
mac	String	Device mac address
number	String	
type	Interger	1: ESL；2: Warning light
screenSize	String	
activeKey	String	activeKey
password	String	
battery	Integer	
lastUpdate	Date	Last adverting time
heartbeat	String	
subcategory	String	
protocolStack	String	
firmware	String	Firmware version
hardware	String	Hardware version
manufacturer	String	
storeId	String	
temperture	Double	
chip	String	
rssi	Integer	
peripheral	String	

createTime	Date	
updateTime	Date	
createBy	String	
updateBy	String	
merchantCode	String	
remark	String	
doubleSide	String	1: single screen; 2: double-sided screen
firmwareType	String	0: MIX firmware; 1: BLE firmware
isOnline	String	1: offline, 2: online

Return codes description

Return codes	Description
200	Success
10059	no permission

Return result example 1

```
{
  "code": 200,
  "msg": "success",
  "data": {
          "id": "1328602319477473280",
          "mac": "ac233fd007a2",
          "screenSize": "6",
          "bind": "1",
          "activekey": "3141592653589793",
```

```
        "password": null,
        "battery": 100,
        "lastupdate": "2021-01-04 06:38:49",
        "heartbeat": "8808625",
        "software": null,
        "protocolStack": null,
        "firmware": "3.0.5",
        "hardware": null,
        "manufacturer": "Minew",
        "storeId": "1328266049345687552",
        "temperature": 18.0,
        "chip": null,
        "rssi": -59,
        "peripheral": null,
        "createTime": "2020-11-17 15:33:06",
        "updateTime": "2021-01-04 06:38:48",
        "createBy": null,
        "updateBy": null,
        "merchantCode": "029733",
        "remark": null,
        "doubleSide": "1",
        "firmwareType": "0",
        "isOnline": "1",
        "goodsId": null,
        "goodsIds": null,
        "screenInfo": {
            "inch": 4.2,
            "width": 400,
            "height": 300,
            "color": "bwr"
        }
    }
}
```

Return result example 2

```
{
    "code": 14002,
    "msg": "token invalid or wrong",
    "data": null
}
```

6.15 Query the device according to the MAC address （only admin account has permission)

URL	https://cloud.minewesl.com/apis/merchant/queryDeviceByMac
Request Method	GET
Content type	
API Description	Return the device type (1 for label, 2 for shelf light, 3 for gateway) and the associated merchant information. Only the administrator account has this function.

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	header	String	true	Token value from login
mac	Param	String	true	Mac address of the device

Request demo

```
https://cloud.minewesl.com/apis/merchant/queryDeviceByMac?mac=ac230fd28a91
```

Return codes description

Return codes	Description
200	Success
10059	No permission

Return result example

Success

```
{
    "code": 200,
    "msg": "success",
    "data": {
        "id": "1250073802179350529",
        "type": 1,
        "mac": "ac230fd28a91",
        "name": "label",
        "storeName": "711",
        "contactName": "Jack",
        "merchantName": "Infotech",
        "merchantAddress": ""
    }
}
```

6.16 Query the MAC list of unbound devices in the store or the binding

relationship of bound devices

URL	https://cloud.minewesl.com/apis/esl/label/ getBindsByState
Request Method	GET
Content type	
API Description	If querying unbound devices, return the list addresses of all unbound devices; If querying the bound devices, return to the list of all the binding relationships of the devices under the store (if it is a dual screen, one device has 2 board binding records)

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	header	String	true	Token value from login
storeId	Param	String	true	Store id
state	Param	Boolean	true	True: returns all binding relationships of the store; False: returns all unbound MAC address lists of the store;

Request demo

```
https://cloud.minewesl.com/apis/esl/label/getBindsByState?storeId=14304
66345245347840&state=false
```

Return codes description

Return codes	Description
200	Success
10059	No permission

Return result example

Success

1. Querying unbound mac address

```
{
    "code": 200,
    "msg": "success",
    "data": [
        "ac233fd279d9",
        "ac233fd279d8"
    ]
}
```

2. Querying binding relationships

```
{
    "code": 200,
    "msg": "success",
    "data": [
        {
            "id": "1528991812457336832",
            "labelmac": "ac233fd15072",
            "goodsId": "6902265114420",
            "storeId": "1430466345245347840",
            "demoId": "1437721485304139776",
            "side": "A",
            "createTime": null,
            "createBy": null,
            "updateBy": null,
            "updateTime": null,
```

```
            "merchantCode": "064102"
        },
        {
            "id": "1528991812474114048",
            "labelmac": "ac233fd15072",
            "goodsId": "6902265114420",
            "storeId": "1430466345245347840",
            "demoId": "7779eeb9e41b43c5ace7a2e0f1c884ad",
            "side": "B",
            "createTime": null,
            "createBy": null,
            "updateBy": null,
            "updateTime": null,
            "merchantCode": "064102"
        }
    ]
}
```

6.17 Query the label devices that communicate with gateway

URL	https://cloud.minewesl.com/apis/esl/gateway/findEnableLabelByGateway
Request Method	GET
Content type	
API Description	List label MAC addresses that the gateway can communicate within 24 hours.

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	header	String	true	Token value from login
gatewayMac	Param	String	true	Gateway MAC address
storeId	Param	String	true	Store id
minutes	Param	Integer	true	[5, 60*24] unit: minutes

Request demo

```
https://cloud.minewesl.com/apis/esl/gateway/findEnableLabelByGateway?ga
tewayMac=AC233FC03CE3&storeId=1430466345245347840
```

Return codes description

Return codes	Description
200	Success
13015	Parameters cannot be null
12010	Gateway dose not exist
54040	Gateway and store do not match
54059	Minutes is out of the [5, 60*24] range

Return result example

Success

```
{
    "code": 200,
    "msg": "success",
    "data": [
        "ac233fd60008",
        "ac233fd60007",
        "ac233fd6000b",
        "ac233fd6000a"
    ]
}
```

6.18 Export the binding list of the warning light and the label

URL	https://cloud.minewesl.com/apis/esl/label/warningLightLabel /excel/export
Request Method	GET
Content type	application/vnd.ms-excel;charset=utf-8
API Description	Export the binding relationship between the warning light and the label

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
storeId	Param	String	true	

Request demo

https://cloud.minewesl.com**/apis/esl/label/warningLightLabel/excel/export?store Id=1768083701813481472**

Response Parameters

Key	Data type	Remark
code	Integer	Refer to the Return codes description
message	String	
data	Object	

Return codes description

Return codes	Description
200	Success
12070	Store does not exist
12134	The binding relationship does not exist

Return result example 1

```
{
    "code": 200,
    "msg": "success",
    "data": null
}
```

If the request is successful, the Excel file is returned.

Return result example 2

```
{
    "code": 12134,
    "msg": "The binding relationship does not exist",
    "data": null
}
```

6.19 Bind devices with template(multi-data)

URL	https://cloud.minewesl.com/apis/esl/label/bindMultiData
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Bind devices with template(multi-data)

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
labelMac	Body	String	true	
storeId	Body	String	true	
goodsIds	Body	String[]	true	
demoIdMap	Body	Map<String,	true	

		String>		

Request demo

```
https://cloud.minewesl.com/apis/esl/label/bindMultiData
{
    "labelMac": "c3000015738c",
    "storeId": "1813398695832457216",
    "goodsIds": [
        "7",
        "3"
    ],
    "demoIdMap": {
        "A": "1832972590126206976"
    }
}
```

Response Parameters

Key	Data type	Remark
code	Integer	Refer to the Return codes description
message	String	

Return codes description

Return codes	Description
200	Success
12042	Template does not exist
54011	Template size does not match label size or color does not match

54015	Gateways are offline

Return result example

```
{
    "code": 200,
    "msg": "success",
    "data": null
}
```

6.20 Firmware upgrade for muti-tags

URL	https://cloud.minewesl.com/apis/esl/label/batchLabelUpgrade
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Firmware upgrade for muti-tags

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
storeId	Body	String	true	The store number

firmware	Body	String	true	The update version of the firmware for the tags
macs	Body	List	true	The mac address for the tags

:

Request demo

```
https://cloud.minewesl.com/apis/esl/label/batchLabelUpgrade
{
    "storeId": "1899753428700106752",
    "macs": [
        "ac233fd12717","a00ee23000b6"
    ],
    "firmware": "3.4.8"
}
```

Response Parameters

Key	Data type	Remarks
code	Integer	Refer to the Return codes description
message	String	
data	Object	

Return codes description

Return codes	Description
200	success

Return result example

```
{
    "code": 200,
    "msg": "success",
    "data": {
        "fail": 0,
        "total": 2,
        "data": {
            "ac233fd12717": {
                "code": 200,
                "msg": "success",
                "data": null
            },
            "a00ee23000b6": {
                "code": 200,
                "msg": "success",
                "data": null
            }
        }
    }
}
```

6.21 Warning light and tags binding in batch

URL	https://cloud.minewesl.com/apis/esl/label/warningLightLabel/save
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Batch binding based on the warning light mac and label mac

Request Parameters

Key	Position	Data type	Neces sary	Remarks
token	Header	String	true	Token value from login
labelMacList	Body	List	true	Label mac list, mac address needs to be lowercase and do not need to add ":", when labelMacList is an empty list, the unbinding operation will be performed
storeId	Body	String	true	Store id
warningLight Mac	Body	String	true	The mac address for the warning light, lowercase only

Request demo

```
https://cloud.minewesl.com/apis//esl/label/warningLightLabel/save
{
    "labelMacList":[
        "ac233ff00dd","ac235422465"
    ],
    "storeId":"1470218173264433152",
    "warningLightMac":"ac23544224745"
}
```

Response Parameters

Key	Data type	Remarks
code	Integer	Refer to the Return codes description
msg	String	Information message

data	JSON String	Binding success, null

Return codes description

Return codes	Description
200	success
10059	No permission
12023	This device does not exist
12030	Failed

Return result example

```
{
    "code": 200,
    "msg": "sucess",
    "data": null
}
```

6.22 Delete warning light

URL	https://cloud.minewesl.com/apis/esl/label/warningLightLabel/delete
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Delete warning light devices by store ID and mac address

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
storeId	Params	String	true	Store id
warningLight Mac	Params	String	true	The mac address for the warning light

Request demo

```
https://cloud.minewesl.com/apis/esl/label/warningLightLabel/delete?storeId=1919948164840820736&labelMac=e10000020bcf
```

Response Parameters

Key	Data type	Remarks
code	Integer	Refer to the Return codes description
msg	String	Information message
data	JSON String	null

Return codes description

Return codes	Description
200	success

Return result example

```
{
    "code": 200,
    "msg": "sucess",
    "data": null
}
```

6.23 Query warning light bound with labels mac address

URL	https://cloud.minewesl.com/apis/esl/label/warningLightLabel/queryBound
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Delete warning light devices by store ID and mac address

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
storeId	Body	String	true	Store ID
warningLightMac	Body	String	true	The mac address for the warning light
condition	Body	String	false	The Match mac address of labels

Request demo

```
https://cloud.minewesl.com/apis/esl/label/warningLightLabel/queryBound

{
    "condition": "",
    "warningLightMac": "e10000020bcf",
    "storeId": "1919948164840820736"
}
```

Response Parameters

Key	Data type	Remarks
code	Integer	Refer to the Return codes description
msg	String	Information message
data	List	
mac	String	Label mac address

Return codes description

Return codes	Description
200	success

Return result example

```
{
  "code": 200,
  "msg": "success",
  "data": [
        "ac233fd010aa"
```

```
    ]
}
```

6.24 ESL label location

URL	https://cloud.minewesl.com/apis/esl/label/located
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Response the list of the gateways near the labels. If there are multiple gateways, response the two gateways Mac address with the best signal

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
storeId	Params	String	true	The store ID
labelList	Body	List<String>	true	The list of the labels

Request demo

```
https://cloud.minewesl.com/apis/esl/label/located?storeId=1919948164840820736
[
    "ac233fd12717",
    "a00ee23000b6"
]
```

Response Parameters

Key	Data type	Remark
code	Integer	Refer to the Return codes description
message	String	
data	JSONObject	The Mac address of the gateways nearby the labels

Return codes description

Return codes	Description
200	Success
14002	Token invalid or wrong
12001	Parameter is empty

Return result example

```
{
    "code": 200,
    "msg": "success",
    "data": {
        "a00ee23000b6": [
            "AC233FC081A9"
        ],
        "ac233fd12717": [
            "AC233FC1A337",
            "AC233FC081A9"
        ]
    }
}
```

6.25 Query millimeter wave radar history data

URL	https://cloud.minewesl.com/apis/sensor/radar/queryHistory ?fromTime=2025-07-29 09:50:10&toTime=2025-09-02 17:50:10 &storeId=1919948164840820736
Request Method	GET
Content type	application/json;charset=utf-8
API Description	Returns all data reported by the millimeter-wave radar that has been added to the platform based on the input time period.

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
storeId	Params	String	true	The store ID
fromTime	Params	String	true	The start time to query
toTime	Params	String	true	The end time to query

Request demo

```
https://cloud.minewesl.com/apis/sensor/radar/queryHistory?fromTime=2025-07-29
09:50:10&toTime=2025-09-02 17:50:10 &storeId=1919948164840820736
```

Response Parameters

Key	Data type	Remark
code	Integer	Refer to the Return codes description

msg	String	
data	JSONObject	The history data of the millimeter wave radar in store
mac	String	The MAC address of the millimeter wave radar
gatewayMac	String	The gateway Mac address
entryNumber	Integer	The entry number of the radar detected area
exitNumber	Integer	The exit number of the radar detected area
serialNumber	Integer	The radar sensor reporting times
merchantCode	String	
storeId	String	The store ID
reportTime	Date	The report time yyyy-MM-dd HH:mm:ss
reportDate	Date	The report date yyyy-MM-dd

Return codes description

Return codes	Description
200	Success
12054	The parameters are incorrect, please check the parameters

Return result example

```
{
    "code": 200,
    "msg": "success",
    "data": [
        {
```

```
        "mac": "c3000008faa1",
        "gatewayMac": "AC233FC081A9",
        "entryNumber": 4,
        "exitNumber": 2,
        "serialNumber": 2,
        "merchantCode": "149642",
        "storeId": "1919948164840820736",
        "reportTime": "2025-09-02 16:55:26",
        "reportDate": "2025-09-02"
    }
  ]
}
```

Part 7: Admin Account API

7.1 Create master account

URL	https://cloud.minewesl.com/apis/merchant/register
Request Method	POST
Content type	application/json;charset=utf-8
API Description	System administrator "admin" logs in to create a primary account for a merchant. The primary account serves as the top-level administrator for the merchant. Please note: The default password for the primary account is "Minew123456". You can use the password modification interface for the primary account to change the password as needed.

Request Parameters

Key	Position	Data type	Necessary	Remarks

token	Header	String	true	Token value from login
merchantName	Body	String	true	
contactName	Body	String	true	
mobile	Body	String	false	
email	Body	String	true	
merchantAddress	Body	String	true	
servicetype	Body	Integer	true	Corresponding Value: - 100001: Represents Retail - 100002: Represents Warehouse/Storage - 100003: Represents Medical/Healthcare - 100004: Represents Office - 1: Represents Other
effectiveEnd	Body	String	true	Example: "2025-08- 10" If it's an empty string, it indicates permanent validity.
storeMaxLimit	Body	Integer	true	Maximum number of stores that can be opened.

Request demo

```
https://cloud.minewesl.com/apis/merchant/register
{
        "merchantName": "Minew",
        "contactName": "Minew123",
        "mobile": "",
        "email": "minew@126.com",
        "merchantAddress": "shenzhen",
        "servicetype": 100001,
        "effectiveEnd": "2024-08-10 16:12:56",
        "storeMaxLimit": 50
}
```

Return codes description

Return codes	Description
200	Success
10059	No permissions
10003	Phone number already exists
10004	Email already exists
10012	Incorrect email format
10063	Merchant name cannot be empty
10065	Built-in role does not exist
10066	Merchant name already exists
10093	Username is already in use
54045	Valid date must be after the current date
540709	The number of stores applied for by the merchant must be greater than 0.

Return result example

```
{
    "code": 200,
    "msg": "success",
    "data": {
        "id": "1689550802356117504",
        "merchantCode": "341145",
        "loginname": "Minew123",
        "password": "fd5c1cf04c8e68ded43719f50fa81fda",
        "confirmPassword": null,
        "mobile": "",
        "email": "minew@126.com",
        "status": 0,
        "createTime": "2023-08-10 16:14:36",
        "createdBy": "0",
        "updateTime": null,
        "updatedBy": null,
        "description": "Master Account",
        "count": null,
```

```
        "resetPassword": null,
        "salt": "",
        "nickname": null,
        "image": null,
        "autoPassWord": null,
        "definePassWord": null,
        "condition": null,
        "loginTime": null,
        "flag": "1",
        "guideTime": null,
        "guideDisplay": null,
        "name": "kaifa123",
        "roleNameList": []
    }
}
```

7.2 List of Primary Accounts - Paginated Query

URL	https://cloud.minewesl.com/apis/merchant/listPage
Request Method	GET
Content type	application/json;charset=utf-8
API Description	System administrator "admin" logs in to perform a paginated query for primary accounts.

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
page	Param	Integer	true	
size	Param	Integer	true	
searchField	Param	String	false	Performing a fuzzy search on fields: merchant name, username, email, merchant address,

				and phone number. If left empty, the search will encompass all fields.

Request demo

```
https://cloud.minewesl.com/apis/merchant/listPage?page=1&size=10&searchField=
```

Response Parameters

Key	Data type	Remark
code	Integer	Please refer to the interface error codes for more detailed information.
msg	String	Messages information
currentPage	Integer	
pageSize	Integer	
totalPage	Integer	
totalNum	Integer	

Return codes description

Return codes	Description
200	Success
14002	Token expired or incorrect.

Return result example

```
{
"code" : 200,
"msg" : "success",
"currentPage" : 1,
"pageSize" : 10,
"totalNum" : 11,
```

```
"isMore" : 1,
"totalPage" : 2,
"startIndex" : 0,
"items" : [ {
"id" : "31",  //master account ID
"merchantCode" : "341145",
"userId" : "1689550802356117504",
"contactName" : "kevin123",
"mobile" : "",
"email" : "test2@gmail.com",
"phone" : null,
"merchantName" : "Company 2",
"merchantAddress" : "Tokyo",
"active" : 0,
"servicetype" : 100001,
"serviceDescription" : null,
"effectiveStart" : null,
"effectiveEnd" : "2024-08-10",
"storeMaxLimit" : 50,
"certificateUrl" : null,
"otherUrl" : null,
"createTime" : "2023-08-10 16:14 :36",
"createdBy" : null,
"updateTime" : null,
"updatedBy" : null,
"ctype" : null
}, {
"id" : "5",  //master account ID
"merchantCode" : "946421",
"userId" : "1674668419653308416",
"contactName" : "daisx",
"mobile" : "13212341234",
"email" : "daisx@qq.com",
"phone" : null,
"merchantName" : "daisx",
"merchantAddress" : "",
"active" : 0,
"servicetype" : 100001,
"serviceDescription" : null,
"effectiveStart" : null,
"effectiveEnd" : null,
"storeMaxLimit" : 50,
"certificateUrl" : null,
"otherUrl" : null,
```

```
"createTime" : "2023-06-30 14:37 :20",
"createdBy" : null,
"updateTime" : null,
"updatedBy" : null,
"ctype" : null
} ]
}
```

7.3 Modification of Master Account

URL	https://cloud.minewesl.com/**apis/merchant/update**
Request Method	POST
Content type	application/json;charset=utf-8
API Description	System administrator "admin" logs in to update merchant primary account information based on the primary account ID.

Request Parameters

Key	Position	Datatype	Necessary	Remarks
token	Header	String	true	Token value from login
id	Body	String	true	Merchant ID
merchantName	Body	String	true	Merchant name
contactName	Body	String	true	User name
mobile	Body	String	false	Mobile
email	Body	String	true	Email
merchantAddress	Body	String	true	Merchant Address
servicetype	Body	Integer	true	Corresponding Value: - 100001: Represents Retail - 100002: Represents Warehouse/Storage - 100003: Represents Medical/Healthcare - 100004: Represents Office - 1: Represents Other

| effectiveEnd | Body | String | true | Example: "2025-08- 10"

If it's an empty string, it indicates permanent validity. |
| storeMaxLimit | Body | Integer | true | Maximum number of stores that can be opened. |

Request demo

```
{
"id": "31", //master ID
"merchantName": "company 2",
"contactName": "kelly123",
"mobile": "",
"email": "test2@gmail.com",
"merchantAddress": "Tokyo",
"servicetype": 100001,
"effectiveEnd": null,
"storeMaxLimit" : 50
}
```

Response Parameters

Key	Data type	Remark
code	Integer	Please refer to the interface error codes for more detailed information.
message	String	Messages information
data	json	Data object returns master account information.

Return codes description

Return codes	Description
200	Success
10059	No permissions
10003	Phone number already exists
10004	Email already exists
10012	Invalid email format

10063	Merchant name cannot be empty
10065	Built-in role does not exist
10066	Merchant name already exists
10093	Username is already in use
54045	Valid date must be after the current date
540709	The number of stores applied for by the merchant must be greater than 0

Return result example

```
{
"code" : 200,
"msg" : "success",
"data" : [ {
"id" : "31",  //master account ID
"merchantCode" : "341145",
"userId" : "1689550802356117504",
"contactName" : "Kevin123",
"mobile" : "",
"email" : "test2@gmail.com",
"phone" : null,
"merchantName" : "company2",
"merchantAddress" : "Tokyp",
"active" : 0,
"servicetype" : 100001,
"serviceDescription" : null,
"effectiveStart" : null,
"effectiveEnd" : "2024-08-10",
"storeMaxLimit" : 50,
"certificateUrl" : null,
"otherUrl" : null,
"createTime" : "2023-08-10 16:14 :36",
"createdBy" : null,
"updateTime" : null,
"updatedBy" : null,
"ctype" : null
}
}
```

7.4 Delete master account

URL	https://cloud.minewesl.com/apis/merchant/delete
Request Method	GET
Content type	application/json;charset=utf-8
API Description	System administrator "admin" logs in to delete master account information based on the ID.

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
id	Param	Integer	true	Delete according to the master account ID.

Request demo

```
https://cloud.minewesl.com/apis/merchant/delete?id=31
```

Response Parameters

Key	Data type	Remark
code	Integer	Please refer to the interface error codes for more detailed information.
msg	String	Messages information

Return codes description

Return codes	Description
200	Success
14002	Token expired or incorrect.
10018	Master id does not exist (Merchant does not exist).

Return result example

```
{
    "code": 200,
    "msg": "success",
    "data": null
}
```

7.5 Import the device to the whitelist

URL	https://cloud.minewesl.com/apis/esl/ope rationlabel/import LabelByJson
Request Method	POST
Content type	application/json;charset=utf-8
API Description	administrator account "admin" logs in to import the device to the whitelist

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
type	Param	Integer	true	Device type: 1 - ESL 2 - Warning light 4 - Radar 5 - LCD 6 - T&H sensor

labelList	Body	List	true	
mac		String	true	Device mac address
activekey		String	true	Device activekey

Request demo

```
[
    {
        "mac": "c3000023b1ba",
        "activekey": "3f9c011243354c0c"
    },
    {
        "mac": "123456",
        "activekey": "123456"
    }
]
```

Response Parameters

Key	Data type	Remark
code	Integer	Refer to the Return codes description
message	String	
data	Object	
total	Integer	Total number of device
success	Integer	Success number
failMac	List	Mac address of failed devices

Return codes description

Return codes	Description
200	Success
14002	Token invalid or wrong
10059	No permissions
12001	Parameter is empty.

Return result example 1

```
{
    "code": 200,
    "msg": "success",
    "data": {
        "total": 2,
        "success": 1,
        "failMac": [
            "123456"
        ]
    }
}
```

Return result example 2

```
{
    "code": 14002,
    "msg": "Token invalid or wrong",
    "data": null
}
```

Part 8: APP API

8.1 Get APP Bluetooth Update Data

URL	https://cloud.minewesl.com/apis/V3/app/local/brush
Request Method	POST
Content type	application/json;charset=utf-8

API Description	Get APP Bluetooth refresh data (need to establish a binding relationship in the ESL platform to use)

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
mac	Body	String	true	Mac address
storeId	Body	String	true	Store ID
screenInfo	Body	String	true	Device screen id
firmware	Body	String	true	Device firmware version

Request demo

```
{
    "mac":"ac233fd0c370",
    "storeId":"1430473329034137600",
    "screenInfo":"17",
    "firmware":"3.1.18"
}
```

Return codes description

Return codes	Description
200	Success
12047	No information on this tag, please import first

Return result example

```
{
  "code": 200,
    "msg": "success",
    "data": {
        "code": 200,
        "message": "success!",
        "data": [
```

```
    {
        "code": 200,
        "message": "success",
        "raw": {
            "base": "04ff8bb77f6efeddfdbbfb77fc6f08ff8bdb0fb61f6c
3ed87db0fbb708ff8b80df01be037c06f80dfbb708ff02bf837f7efe02fd03fb81b708f
f8ba07f40fe81fd03fa07fc0f08ff02bf837f7efe02fd02fb0aff8b80df01be037c06f8
0dfdf70200810f0eff82fdf70200810f05ff8bc06f80df01be037c06f80709ff8aefffd
fffbfff7ffefff70200810f05ff8b800f001e003c007800fff71bff8bfbfff7ffefffdf
ffbff86f0200810f05ff8bbbf...",
                "base_compress": "rle",
                "crops": null
            },
            "crops_info": null
        }
    ],
    "isDifference": 0,
    "imageId": 0,
    "raw": null
    }
}
```

Part 9: LCD API

9.1 Upload LCD video

URL	https://cloud.minewesl.com/apis/esl/file/videoUpload
Request Method	POST
Content type	multipart/form-data
API Description	Upload LCD video

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
file	Body	Form-data	true	Video file string

storeId	Params	String	true	The StoreId

Request demo

https://cloud.minewesl.com/apis/esl/file/videoUpload?storeId=191994816484082

Response Parameters

Key	Data type	Remark
code	Integer	Please refer to the interface error codes for more detailed information.
message	String	Messages information
data	Object	Return data

Return codes description

Return codes	Description
200	Success
5000	System Exception

Return result example 1

```
{
  "code" : 200,
  "msg" : "success",
  "data" : {
    "fileName" : "1837022445924519936.mp4",
    "fullPath" : "/files/forward/esl/lcd/video/768822/18370224459245
19936.mp4",
    "relativePath" : null,
    "type" : null
  }
}
```

Return result example 2

```
{
    "code": 5000,
    "msg": "System Exception",
    "data": null
}
```

9.2 Delete LCD video

URL	https://cloud.minewesl.com/apis/esl/file/deleteVideo
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Delete LCD video

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
fileName	Params	String	true	Video file name
StoreId	Params	String	true	The StoreId

Request demo

```
https://cloud.minewesl.com/apis/esl/file/deleteVideo?fileName=1837022445924519
9936.mp4&storeId=1919948164840820736
```

Response Parameters

Key	Data type	Remark
code	Integer	Please refer to the interface error codes for more detailed information.
msg	String	Messages information
data	Object	Return data

Return codes description

Return codes	Description

200	Success
5000	System Exception

Return result example 1

```
{
  "code" : 200,
  "msg" : "success",
  "data" : null
}
```

Return result example 2

```
{
  "code": 5000,
  "msg": "System Exception",
  "data": null
}
```

9.3 Bind LCD

URL	https://cloud.minewesl.com/apis/esl/lcd/bind
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Bind LCD

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
lcdMac	Body	String	true	Video file string
storeId	Body	String	true	Store ID
brushDataId	Body	String	true	Data ID

demoId	Body	String	true	Template ID

Request demo

```
https://cloud.minewesl.com/apis/esl/lcd/bind

{
  "lcdMac": "5301542154451",
  "storeId": "1795776863474290688",
  "brushDataId": "1001",
  "demoId": "1795776863474290688"
}
```

Response Parameters

Key	Data type	Remark
code	Integer	Please refer to the interface error codes for more detailed information.
msg	String	Messages information
data	Object	

Return codes description

Return codes	Description
200	Success
5000	System Exception

Return result example 1

```
{
  "code" : 200,
  "msg" : "success",
  "data" : null
}
```

Return result example 2

```
{
    "code": 5000,
    "msg": "System Exception",
    "data": null
}
```

9.4 Add LCD device

URL	https://cloud.minewesl.com/apis/esl/lcd/add
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Add LCD

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
bluetoothName	Body	String	false	The Name of the LCD Bluetooth
storeId	Body	String	true	Store ID
mac	Body	String	true	The Mac address
deviceName	Body	String	true	The device name of LCD

Request demo

```
https://cloud.minewesl.com/apis/esl/lcd/add

{
    "bluetoothName":"@2309127FDA",
    "deviceName": "ACF42CD7E450",
    "mac": "ACF42CD7E450",
    "storeId": "1919948164840820736"
}
```

Response Parameters

Key	Data type	Remark
code	Integer	Please refer to the interface error codes for more detailed information.
msg	String	Messages information
data	Object	

Return codes description

Return codes	Description
200	Success
12070	Store does not exist
12012	Device has been added
540713	Device is not in the whitelist or wrong mac address

Return result example

```
{
    "code": 200,
    "msg": "success",
    "data": null
}
```

9.5 Add LCD device （in batch）

URL	https://cloud.minewesl.com/apis/esl/lcd/import
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Add LCD in batch

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
storeId	Params	String	true	Store ID
file	Body	Form-data	true	Get the "LcdTemplates" Store management ->Device management -> LCD devices -> Batch import -> import LCD device

Request demo

```
https://cloud.minewesl.com/apis/esl/lcd/import?storeId=1949715367232278
528
```

Response Parameters

Key	Data type	Remark
code	Integer	Please refer to the interface error codes for more detailed information.
msg	String	Messages information
data	Object	The data return

Return codes description

Return codes	Description
200	Success
5000	System Exception

Return result example

```
{
    "code": 200,
    "msg": "File uploaded successfully",
    "data": {
        "total": 1,
        "success": 0,
        "url": "/files/forward/esl/excel/463384/LcdTemplate.xls"
    }
}
```

9.6 Query LCD specific information by MAC

URL	https://cloud.minewesl.com/apis/esl/lcd/pagingQuery
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Query LCD specific information by MAC

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
currentPage	Body	Integer	false	The page number
pageSize	Body	Integer	true	The size of the page
storeId	Body	String	true	The store ID
fuzzy	Body	String	false	Query by fuzzy mac
deviceStatus	Body	Array	false	

Request demo

```
https://cloud.minewesl.com/apis/esl/lcd/pagingQuery
{
    "currentPage": 0,
    "pageSize": 10,
    "storeId": "1919948164840820736",
    "fuzzy": "",
    "deviceStatus": [
        ""
    ]
}
```

Response Parameters

Key	Data type	Remark
code	Integer	Please refer to the interface error codes for more detailed information.
msg	string	information
currentPage	Integer	The current page
pageSize	Integer	The size of the page
totalNum	Integer	Total number page
isMore	Integer	If there is a next page
totalPage	Integer	The total page
startIndex	Integer	Start indexing
items	Array	The specific ID of the items

Return codes description

Return codes	Description
200	Success
5000	System Exception

Return result example

```
{
    "code": 200,
    "msg": "success",
    "currentPage": 0,
    "pageSize": 10,
    "totalNum": 1,
    "isMore": 1,
    "totalPage": 1,
    "startIndex": -10,
    "items": [
        {
            "id": "68a2808f8db7f06eb4cc4d51",
            "mac": "485c2cdf7344",
            "inch": 10.1,
            "width": 800,
            "height": 1280,
            "deviceName": "LCD test",
            "bluetoothName": "@230914C1CE",
            "isOnline": "2",
            "wifi": null,
            "ip": null,
            "number": null,
            "remark": null,
            "brightness": null,
            "storageTotal": "32",
            "storeRemaining": "22",
            "remainingStorage": 23830528,
            "firmware": "3.30",
            "storeId": "1919948164840820736",
            "merchantCode": "149642",
            "createTime": "2025-08-18 09:23:27",
            "updateTime": "2025-08-18 10:15:40",
            "lcdPowerOn": null
        }
    ]
}
```

9.7 LCD device delete (in batch)

URL	https://cloud.minewesl.com/apis/esl/lcd/batchDelete
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Delete LCD devices in batch

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
macs	Array[string]	String	true	The macs address array
storeId	Body	String	true	The store ID

Request demo

```
https://cloud.minewesl.com/apis/esl/lcd/batchDelete

{
    "macs": [
        "485c2cdf7344"
    ],
    "storeId": "1919948164840820736"
}
```

Response Parameters

Key	Data type	Remark
code	Integer	Please refer to the interface error codes for more detailed information.
msg	String	Messages information
data	Object	Data send back

Return codes description

Return codes	Description
200	Success
5000	System Exception

Return result example

```
{
    "code": 200,
    "msg": "success",
    "data": null
}
```

9.8 LCD device multi-data bind

URL	https://cloud.minewesl.com/apis/esl/lcd/multiDataBind
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Bind multi-data with LCD device

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
lcdMac	Body	String	true	The macs address of LCD
storeId	Body	String	true	The store ID
brushDataIds	Body	Array[string]	true	The bind brush multi ID data
demoId	Body	string	true	The ID of the template

Request demo

```
https://cloud.minewesl.com/apis/esl/lcd/multiDataBind

{
    "demoId":"1958364640173887488",
    "brushDataIds":["222","33333"],
    "lcdMac":"485c2cdf7344,
    "storeId":"1919948164840820736"
}
```

Response Parameters

Key	Data type	Remark
code	Integer	Please refer to the interface error codes for more detailed information.
msg	String	Messages information
data	Object	Data send back

Return codes description

Return codes	Description
200	Success
5000	System Exception

Return result example

```
{
    "code": 200,
    "msg": "success",
    "data": null
}
```

9.9 Query the LCD bind information according to the MAC address

URL	https://cloud.minewesl.com/apis/esl/lcd/queryBind
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Query the LCD bind information according to the MAC address

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
lcdMac	Params	String	true	The macs address of LCD
storeId	Params	String	true	The store ID

Request demo

```
https://cloud.minewesl.com/apis/esl/lcd/queryBind?lcdMac=485c2cdf7344&storeId=1919948164840820736
```

Response Parameters

Key	Data type	Remark
code	Integer	Please refer to the interface error codes for more detailed information.
msg	String	Messages information
data	Object	Data send back

Return codes description

Return codes	Description
200	Success
5000	System Exception

Return result example

```
{
  "code": 200,
  "msg": "success",
  "data": {}
}
```

9.10 Query the LCD bind information according to the data ID

URL	https://cloud.minewesl.com/apis/esl/lcd/bindQuery
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Query the LCD bind information according to the data ID

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
brushDataId	Params	String	true	The data ID of LCD
storeId	Params	String	true	The store ID

Request demo

```
https://cloud.minewesl.com/apis/esl/lcd/bindQuery?brushDataId=222&store
Id=1919948164840820736
```

Response Parameters

Key	Data type	Remark
code	Integer	Please refer to the interface error codes for more detailed information.
msg	String	Messages information
data	Object	Data send back

Return codes description

Return codes	Description
200	Success
5000	System Exception

Return result example

```
{
  "code": 200,
  "msg": "success",
  "data": {}
}
```

9.11 Import bind information in batch

URL	https://cloud.minewesl.com/apis/esl/excel/lcd/importBinding
Request Method	POST
Content type	application/json;charset=utf-8
API Description	Import bind information in batch

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
storeId	Params	String	true	The store ID
brushFlag	Params	Boolean	false	
file	Body	Form-data	true	Get the "LcdTemplates" Store management ->Device management -> LCD devices -> Batch import -> import binding information

Request demo

```
https://cloud.minewesl.com/apis/esl/excel/lcd/importBinding?storeId=191
9948164840820736
```

Response Parameters

Key	Data type	Remark
code	Integer	Please refer to the interface error codes for more detailed information.
msg	String	Messages information
data	Object	Data send back

Return codes description

Return codes	Description
200	Success
5000	System Exception

Return result example

```
{
    "code": 200,
    "msg": "success",
    "data": {
        "bindResult": {
            "total": 1,
            "success": 1,
            "failure": 0,
            "url": ""
        },
        "brushResult": null
    }
}
```

9.12 LCD Power plan control

URL	https://cloud.minewesl.com/apis/esl/lcd/powerPlanControl
Request Method	POST
Content type	application/json;charset=utf-8
API Description	LCD power plan control

Request Parameters

Key	Position	Data type	Necessary	Remarks
token	Header	String	true	Token value from login
lcdPowerOn	Body	Object	true	The store ID
start	Body	String	true	The start time of the LCD power on
end	Body	String	true	The end time of the LCD power on
enable	Body	String	true	1 is enable 0 is disable
storeId	Body	String	true	The store ID
macs	Body	Array	true	The array of the LCD devices MAC address
timezone	Body	String	true	The timezone

Request demo

```
https://cloud.minewesl.com/apis/esl/lcd/powerPlanControl

{
    "lcdPowerOn": {
        "start": "15:01:00",
        "end": "16:00:00",
        "enable": 1
    },
    "storeId": "1919948164840820736",
    "macs": [
```

```
        "485c2cdf7344"
    ],
    "timezone": "GMT+8"
}
```

Response Parameters

Key	Data type	Remark
code	Integer	Please refer to the interface error codes for more detailed information.
msg	String	Messages information
data	Object	Data send back

Return codes description

Return codes	Description
200	Success
5000	System Exception

Return result example

```
{
  "code": 200,
  "msg": "success",
  "data": {}
}
```