

Compact Speed Gate Management Platform

Open API (V1.0)

Routon Electronic Co., Ltd

1. OAuth2	3
1.1. POST Obtain Token	3
1.1.1. Params	3
1.1.2. Responses	4
1.1.3. Responses Data Schema	4
1.2. GET Open Interface Call Example	4
1.2.1. Params	5
1.2.2. Responses	6
1.2.3. Responses Data Schema	6
2. Access Gate Management	7
2.1. GET Access Gate Group List	7
2.1.1. Params	7
2.1.2. Responses	9
2.1.3. Responses Data Schema	9
3. Employee List Management	11
3.1. GET Whitelist List	11
3.1.1. Params	12
3.1.2. Responses	12
3.1.3. Responses Data Schema	13
3.2. GET Whitelist Employee List	14
3.2.1. Params	14
3.2.2. Responses	16
3.2.3. Responses Data Schema	16
3.3. GET Whitelist Save	18
3.3.1. Params	18
3.3.2. Responses	19
3.3.3. Responses Data Schema	19
3.4. GET Whitelist Delete	19
3.4.1. Params	20
3.4.2. Responses	20
3.4.3. Responses Data Schema	20
3.5. POST Employee Save	20
3.5.1. Params	21
3.5.2. Responses	23
3.5.3. Responses Data Schema	23
3.6. GET Employee Delete	24
3.6.1. Params	24
3.6.2. Responses	24
3.6.3. Responses Data Schema	25
3.7. GET Employee Information Detail	25
3.7.1. Params	25
3.7.2. Responses	26
3.7.3. Responses Data Schema	26
3.8. GET Employee Forced Overwrite Operation	28
3.8.1. Params	28
3.8.2. Responses	28

3.8.3. Responses Data Schema	29
4. Employee Access Permission Management	29
4.1. GET Access Permission List	29
4.1.1. Params	29
4.1.2. Responses	30
4.1.3. Responses Data Schema	30
4.2. GET Permission Information Detail	32
4.2.1. Params	32
4.2.2. Responses	33
4.2.3. Responses Data Schema	33
4.3. POST Edit Access Permission Information	34
4.3.1. Params	34
4.3.2. Responses	36
4.3.3. Responses Data Schema	36
4.4. GET Delete Access Permission Information	36
4.4.1. Params	36
4.4.2. Responses	37
4.4.3. Responses Data Schema	37
5. Visitor Management	37
5.1. GET Visitor Management List	37
5.1.1. Params	37
5.1.2. Responses	39
5.1.3. Responses Data Schema	39
5.2. GET Visitor Information Detail	40
5.2.1. Params	40
5.2.2. Responses	41
5.2.3. Responses Data Schema	41
5.3. POST Visitor Information Save	42
5.3.1. Params	42
5.3.2. Responses	44
5.3.3. Responses Data Schema	44
5.4. POST Visitor Information Delete	44
5.4.1. Params	44
5.4.2. Responses	45
5.4.3. Responses Data Schema	45
5.5. GET Company Employee List	45
5.5.1. Params	45
5.5.2. Responses	46
5.5.3. Responses Data Schema	47
6. Access Records	47
6.1. GET Access Records	47
6.1.1. Params	47
6.1.2. Responses	49
6.1.3. Responses Data Schema	50

1. OAuth2

1.1. POST Obtain Token

POST /oauth2/token

For Basic authentication, the Username/Password are the clientId and clientSecret assigned by the system respectively.

Body Parameters

grant_type: client_credentials

1.1.1. Params

Name	Location	Type	Required	Description
body	body	object	no	none
grant_type	body	string	yes	Authorization type, fixed value: client_credentials

Response Examples

200 Response

```
{  
  "resultCode": "SUCCESS",  
  "timeZoneCode": "GMT",  
  "language": "en-US",  
  "data": {  
    "access_token":  
      "eyJhbGciOiJSUzI1NiJ9.eyJzdWUiOiJyZzE3NDQwMTM5OTM0ODEiLCJhdWQiOiJyZzE3NDQwMTM5OTM0ODEiLCJuYmYiOiJE3NDQwNzMwMjEsImlzcyl6Imh0dHBzOi8vZWZfOFZXNlcnZlcilnYXRlliwizXhwljoxNzQ0MDgwMjlxCJpYXQiOiJE3NDQwNzMwMjEsImp0aSI6IlgwZjgzYmZiTUxOGUtNGQ4Ni1hOWRILTQ1ODgxMzczYzlwYyJ9.L4D5ZIReKtI0cCouEWQ80eEYDCJBClvJo_s-eb2_wF6KsftbxZpTSJP5IVP2LuMqgw7ieROUUk8HWjkdOIT7x2oVPjHQmowVd6_8YDBaniknlYM_YjtHccLHCLIQR1I4wxvLabTh84jgAnuvMUdaytwcgqrwo9A34qOHEh_wkxcESH_V3Bp_lwte1wVObueBlSFEgfp6K0zChhiAyxoGfv4GZAq69Fmvr9lhEWbXNTKDp3tixNJ58oGZ_OCDQHDDup-ORnrHu5N 5U0QkzoGbIhYCtoT7FatmKTyyGUUaskePh2W0IXaEt5K8Wha908oQhaoS3eG"
```

```

    "_9QmyFe0VTQ",
    "token_type": "Bearer",
    "expires_in": 7200
  }
}

```

1.1.2. Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	none	Inline

1.1.3. Responses Data Schema

HTTP Status Code 200

Name	Type	Required	Restrictions	Description
resultCode	string	yes	none	none
timeZoneCode	string	yes	none	none
language	string	yes	none	none
data	object	yes	none	none
access_token	string	yes	none	none
token_type	string	yes	none	none
expires_in	integer	yes	none	none

1.2. GET Open Interface Call Example

GET /open/api/v1/Interface Address

Note: The development interface address starts with /open/api/ (except for the "Obtain Token" interface). The interface addresses in the document such as /admin/api/ or /portal/api/ need to be replaced with /open/api/.

1.2.1. Params

Name	Location	Type	Required	Description
corpId	query	integer	yes	Unique company identifier
paramIds	query	array[string]	no	none
Routon-Access Gate-Token	header	string	yes	Development interface access token

Response Examples

200 Response

```
{
  "data": [
    {
      "corpId": 12,
      "paramId": 1077,
      "typevalue": 1,
      "paramValue": "1",
      "paramData": null,
      "modifyTime": "2025-03-24 11:39:08"
    },
    {
      "corpId": 12,
      "paramId": 1078,
      "typevalue": 1,
      "paramValue": "16",
      "paramData": null,
      "modifyTime": "2025-03-27 03:11:04"
    }
  ],
}
```

```

{
  "corpId": 12,
  "paramId": 1079,
  "typevalue": 1,
  "paramValue": "0",
  "paramData": null,
  "modifyTime": "2025-03-27 02:45:35"
},
{
  "resultCode": "SUCCESS",
  "resultMessage": "Successfully obtained company configuration information"
}

```

1.2.2. Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	none	Inline

1.2.3. Responses Data Schema

HTTP Status Code 200

Name	Type	Required	Restrictions	Description
data	[object]	yes	none	none
corpId	integer	yes	none	none
paramId	integer	yes	none	none
typevalue	integer	yes	none	none
paramValue	string	yes	none	none
paramData	null	yes	none	none

modifyTime	string	yes	none	none
resultCode	string	yes	none	none
resultMessage	string	yes	none	none

2. Access Gate Management

2.1. GET Access Gate Group List

GET /admin/api/v1/accessGate/list

Whether forced upgrade is allowed: Only the development company can view the situation where the Access Gate cannot be upgraded with the latest version (canUpgrade = 2) and canForceUpdate = 0. In other cases, the judgment is made based on the version reported by the Access Gate and the version of each access gate channel-terminal-master-slave issued by the platform.

2.1.1. Params

Name	Location	Type	Required	Description
page	query	integer	yes	Page number, starting from 1
size	query	integer	no	Number of records per page, maximum 20
corpId	query	integer	no	Company ID, mandatory
name	query	string	no	Access Gate name
corpName	query	string	no	Company name
type	query	integer	no	Access Gate type
accessGateId	query	integer	no	Optional, if there is a value, only query this access gate group

netstate	query	integer	no	1: Online, 0: Offline, others: All. Judged based on the minimum or empty reporting time of the Access Gate terminal
----------	-------	---------	----	---

Response Examples

200 Response

```
{
  "resultCode": "SUCCESS",
  "resultMessage": "Query successful",
  "totalSize": 15,
  "data": [
    {
      "id": 79,
      "name": "Xianliurongshi",
      "serverIp": "71.24.138.92",
      "canUpgrade": 1,
      "type": 85,
      "upgradePkgVersion": "v1.0.0",
      "channelList": [
        {
          "id": 54,
          "channel": "Excepteur"
        }
      ]
    }
  ]
}
```

2.1.2. Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	none	Inline

2.1.3. Responses Data Schema

HTTP Status Code 200

Name	Type	Required	Restrictions	Description
resultCode	string	yes	none	none
resultMessage	string	yes	none	none
totalSize	integer	yes	none	Total number of records
data	[object]	yes	none	none
id	integer	yes	none	ID Number
model	string	false	none	Model
name	string	yes	none	Access Gate name
serverIp	string	false	none	Server address
canUpgrade	integer	false	none	Whether upgrade is allowed: 1 - Yes, 0 or empty - No, 2 - Latest version (cannot be upgraded)
canForceUpdate	integer	yes	none	Viewed by the development company, whether forced upgrade is allowed: 1 - Yes, 0 - No
type	integer	yes	none	Type

upgradePkgVersion	string	false	none	Upgrade package version
channelList	[object]	false	none	none
id	integer	false	none	ID Number
channel	string	yes	none	Access gate channel name
netstate1	integer	yes	none	Master: 1 - Online, 0 - Offline or unknown
netstate2	integer	yes	none	Slave: 1 - Online, 0 - Offline or unknown
width	string	false	none	Width
dimension	string	yes	none	Access gate size
gap	string	yes	none	Access gate gap
ip1	string	false	none	Master device IP
ip2	string	false	none	Slave device IP
netType1	string	false	none	Master device network
netType2	string	false	none	Slave device network
netConfig1	string	false	none	DHCP/STATIC_IP
netConfig2	string	false	none	none
gateway1	string	false	none	Gateway
gateway2	string	false	none	none
dns1	string	false	none	DNS
dns2	string	false	none	none
createTime	string	false	none	Creation time (installation and maintenance time)

province	string	false	none	Province name
provinceId	integer	false	none	Province ID
city	string	false	none	City name
cityId	string	yes	none	City ID
district	integer	false	none	District name
districtId	string	false	none	District ID
address	string	false	none	Detailed address
alarmnums	integer	false	none	Number of alarm records
lon	string	false	none	Longitude
lat	string	false	none	Latitude
corpId	integer	yes	none	Company ID
corpName	string	false	none	Company name
corpAdminPhone	string	false	none	Administrator's mobile phone number
corpAdminEmail	string	false	none	Administrator's email
deviceAdminUserList	[object]	false	none	Device administrator information
userId	integer	yes	none	User ID
realName	string	yes	none	Real name
phone	string	false	none	Mobile phone number
email	string	false	none	Email

3. Employee List Management

3.1. GET Whitelist List

GET /admin/api/v1/accessGate/whitelist/list

Used to select a whitelist when modifying the access permission management policy.

3.1.1. Params

Name	Location	Type	Required	Description
corpId	query	integer	yes	Company ID
showTacticInfo	query	integer	no	Whitelist access permission information: 0 or empty (default) - Do not query, 1 - Query

Response Examples

200 Response

```
{
  "resultCode": "SUCCESS",
  "resultMessage": "Query successful",
  "data": [
    {
      "id": "1",
      "name": "Whitelist",
      "staffNum": 50
    }
  ]
}
```

3.1.2. Responses

HTTP Status Code	Meaning	Description	Data schema
------------------	---------	-------------	-------------

200	OK	none	Inline
-----	----	------	--------

3.1.3. Responses Data Schema

HTTP Status Code 200

Name	Type	Required	Restrictions	Description
resultCode	string	yes	none	none
resultMessage	string	yes	none	none
data	[object]	yes	none	Access gate group
id	string	yes	none	ID Number
name	string	yes	none	Whitelist name
staffNum	integer	yes	none	Number of staff in the whitelist
type	integer	yes	none	Type: 1 - Whitelist, 2 - Blacklist
alarmType	string	false	none	Alarm methods: separated by commas. 1: On-site siren alarm; 2: App push message; 3: App user mobile phone SMS notification;
sensorlessCollect	string	yes	none	Whether to enable sensorless collection: 1 - Yes, 0 - No
tacticList	[object]	false	none	Access policy information
id	integer	yes	none	ID Number
name	string	yes	none	Name

beginDate	string	false	none	Authorization start time (yy-MM-dd)
endDate	string	false	none	End time (yy-MM-dd)
weeks	string	false	none	Weeks 1-7, separated by commas
startTime	string	false	none	Start hour and minute
endTime	string	false	none	End hour and minute
modifyTime	string	yes	none	Modification time
cycleType	integer	yes	none	Cycle type (1: Long-term valid, 2: Years/Months/Days, 3: Specified date)
cycleCount	integer	false	none	Required when cycleType is 2 (1: Year, 2: Month, 3: Day)
cycleUnit	integer	false	none	Required when cycleType is 2
accessGateList	[object]	yes	none	Access Gate information
id	integer	yes	none	ID Number
name	string	yes	none	Name
corpSensorlessCollect	string	yes	none	Whether the company enables sensorless collection: 1 - Yes, 0 - No

3.2. GET Whitelist Employee List

GET /admin/api/v1/accessGate/whitelist/staff/list

Employee whitelist list

3.2.1. Params

Name	Location	Type	Required	Description
whiteId	query	integer	no	Optional, query all if empty
phone	query	string	no	Employee's mobile phone number
name	query	string	no	Name
page	query	integer	yes	Page number, numbered starting from 1
size	query	integer	yes	Maximum 20 items by default
corpId	query	integer	yes	Company group
phoneOrName	query	string	no	Fuzzy match by mobile phone number or name
whiteType	query	integer	yes	Type of list to query: 1 - Whitelist (default), 2 - Blacklist
idCardNo	query	string	no	Fuzzy match by ID card number
email	query	string	no	Email
havePhotoFileId	query	integer	no	Whether there is face data: 0 or empty (default) - All, 1 - Yes, 2 - No
haveFaceFileId	query	integer	no	Whether there is face feature

				data: 0 or empty (default) - All, 1 - Yes, 2 - No
--	--	--	--	---

Response Examples

200 Response

```
{
  "resultCode": "SUCCESS",
  "resultMessage": "Query successful",
  "totalSize": 15,
  "data": [
    {
      "id": 89,
      "name": "lixiang",
      "phone": "15623493966",
      "rfCard": "123",
      "whitelistId": 1,
      "modifyTime": "2024-07-10 16:00:00",
      "corpId": 1
    }
  ]
}
```

3.2.2. Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	none	Inline

3.2.3. Responses Data Schema

HTTP Status Code 200

Name	Type	Required	Restrictions	Description
resultCode	string	yes	none	none
resultMessage	string	yes	none	none
totalSize	integer	yes	none	Total number of records
data	[object]	yes	none	Whitelist employee list
id	integer	yes	none	Employee ID (primary key)
name	string	yes	none	Name
phone	string	false	none	Mobile phone number
email	string	false	none	Email
rfCard	string	yes	none	RFID card ID
whitelistId	integer	yes	none	ID of the whitelist it belongs to
whitelistName	string	yes	none	Whitelist name
modifyTime	string	yes	none	Modification time
corpId	integer	yes	none	Company group
photoFileId	integer	false	none	Avatar
photoFileUrl	string	false	none	URL (Note: Obsolete field, temporarily retained)
idCardNo	string	false	none	ID card number
timekey	string	false	none	Timestamp
faceFileId	integer	false	none	Feature file ID
sensorlessCollect	integer	false	none	Sensorless collection: 1 -

				Yes, 0 - No
whiteTacticNums	integer	false	none	Number of access policies corresponding to the whitelist it belongs to
failMsg	string	false	none	Reason for failure in generating feature values
faceTerFileId	integer	false	none	Feature ID collected and reported by the terminal
validEndTime	string	false	none	Employee expiration time

3.3. GET Whitelist Save

GET /admin/api/v1/accessGate/whitelist/save

3.3.1. Params

Name	Location	Type	Required	Description
id	query	integer	no	Optional, indicates new addition if empty
name	query	string	no	Whitelist name
corpId	query	integer	yes	Company group ID
alarmType	query	string	no	Alarm methods: separated by commas. 1: On-site siren alarm; 2: App push message; 3: App user mobile phone SMS notification;
type	query	integer	yes	Type: 1 - Whitelist, 2 -

				Blacklist
sensorlessCollect	query	integer	no	Whether to enable sensorless attendance: 1 - Yes, 0 - No

Response Examples

200 Response

```
{
  "resultCode": "SUCCESS",
  "resultMessage": "Whitelist saved successfully"
}
```

3.3.2. Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	none	Inline

3.3.3. Responses Data Schema

HTTP Status Code 200

Name	Type	Required	Restrictions	Description
resultCode	string	yes	none	none
resultMessage	string	yes	none	none
data	object	yes	none	none
whitelid	integer	false	none	Whitelist ID

3.4. GET Whitelist Delete

GET /admin/api/v1/accessGate/whitelist/del

3.4.1. Params

Name	Location	Type	Required	Description
id	query	integer	yes	Whitelist ID

Response Examples

200 Response

```
{
  "resultCode": "SUCCESS",
  "resultMessage": "Deletion successful"
}
```

3.4.2. Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	none	Inline

3.4.3. Responses Data Schema

HTTP Status Code 200

Name	Type	Required	Restrictions	Description
resultCode	string	yes	none	none
resultMessage	string	yes	none	none

3.5. POST Employee Save

POST /admin/api/v1/accessGate/whitelist/staff/save

When localFeature is 1, a .fea file is generated if the length is 1040, and a .floatfee file is generated if the length is 4112.

For local import without connecting to a 2117 device: if faceMaskFeature is empty and photoFileId is not empty, call the cloud to generate feature values based on the avatar; if not connected to the Internet, return "generate feature file failure".

3.5.1. Params

Name	Location	Type	Required	Description
id	query	integer	no	Employee ID, optional; indicates new addition if empty
name	query	string	yes	Name
phone	query	string	no	At least one of mobile phone number or email is required
nickName	query	string	no	Nickname (nick_name)
idCardNo	query	string	no	ID card number
rfCard	query	string	no	RFID card ID
whiteId	query	integer	yes	ID of the whitelist it belongs to
photoFileId	query	integer	no	Photo ID
corpId	query	integer	yes	Company group ID
feature	query	string	no	Feature value
featureId	query	integer	no	Feature file ID
faceMaskFeature	query	string	no	Mask feature value

faceMaskFeatureId	query	integer	no	Mask feature file ID
gender	query	integer	no	1: Male, 2: Female
jobNumber	query	string	no	Employee number
canInvite	query	integer	no	Whether to be able to invite visitors: 1 - Yes, 0 - No
validEndTime	query	string	no	Valid end time
localFeature	query	integer	no	Whether it is a local feature file: 1 - Yes (generate .fea file), 0 or empty - No (generate .jlf file)
remoteControl	query	integer	no	Whether to have remote control permission: 0 - No, 1 - Yes; default is No
email	query	string	no	Email
sensorlessCollect	query	integer	no	Sensorless collection: 1 - Yes, 0 - No

Response Examples

200 Response

```
{
  "resultCode": "SUCCESS",
```

```
"resultMessage": "Saved successfully"
}
```

3.5.2. Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	none	Inline

3.5.3. Responses Data Schema

HTTP Status Code 200

Name	Type	Required	Restrictions	Description
resultCode	string	yes	none	SUCCESS
resultMessage	string	yes	none	Success
updateStaffInfold	integer	yes	none	Primary key ID requiring forced overwriting, valid if greater than 0
datas	[object]	yes	none	none
sameInfo	string	yes	none	Returned for duplicate information, separated by commas: 1: Mobile phone number, 2: Email, 3: ID Card, 4: RFID Card
sid	string	yes	none	Employee ID
name	string	yes	none	Name
whitelistId	string	yes	none	List ID
whitelistname	string	yes	none	List name

whitelistType	string	yes	none	Type: 1 - Whitelist, 2 - Blacklist
phone	string	false	none	Mobile phone number
email	string	false	none	Email
idCardNo	string	false	none	ID card number
rfCard	string	false	none	RFID card

3.6. GET Employee Delete

GET /admin/api/v1/accessGate/staff/del

3.6.1. Params

Name	Location	Type	Required	Description
ids	query	array[string]	yes	Employee IDs
corpId	query	integer	no	Mandatory

Response Examples

200 Response

```
{
  "resultCode": "SUCCESS",
  "resultMessage": "Deletion successful"
}
```

3.6.2. Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	none	Inline

3.6.3. Responses Data Schema

HTTP Status Code 200

Name	Type	Required	Restrictions	Description
resultCode	string	yes	none	SUCCESS
resultMessage	string	yes	none	Success

3.7. GET Employee Information Detail

GET /admin/api/v1/accessGate/staff/detail

3.7.1. Params

Name	Location	Type	Required	Description
id	query	integer	no	Employee staffId

Response Examples

200 Response

```
{
  "resultCode": "SUCCESS",
  "resultMessage": "Success",
  "data": {
    "id": 68,
    "corpId": 1,
    "name": "Jixiaohou",
    "phone": "18626381938",
    "nickName": "Caiqiang",
    "idCardNo": "83",
    "rfCard": "et sunt ad laboris",
    "whitelistId": 32,
    "photoFileId": 2,
```

```
"photoFileUrl": "http://xxx"
}
}
```

3.7.2. Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	none	Inline

3.7.3. Responses Data Schema

HTTP Status Code 200

Name	Type	Required	Restrictions	Description
resultCode	string	yes	none	SUCCESS
resultMessage	string	yes	none	Success
data	object	yes	none	Employee information
id	integer	yes	none	Employee ID
corpId	integer	yes	none	Company group ID
name	string	yes	none	Name
phone	string	yes	none	Mobile phone number
nickName	string	false	none	Nickname
idCardNo	string	false	none	ID card number
rfCard	string	false	none	RFID card ID
whitelistId	integer	yes	none	Belonged whitelist
photoFileId	integer	false	none	Avatar ID

photoFileUrl	string	false	none	Address
faceFileId	integer	false	none	Feature file ID
gender	integer	false	none	1: Male, 2: Female
jobNumber	string	false	none	Employee number
canInvite	integer	false	none	Whether to be able to invite visitors: 1 - Yes, 0 - No
validEndTime	string	false	none	Valid end time
remoteControl	integer	yes	none	Whether to have remote control permission: 0 - No, 1 - Yes; default is No
email	string	false	none	Email
sensorlessCollect	integer	false	none	Sensorless collection: 1 - On, 0 - Off
faceTerFileId	integer	false	none	Sensorless feature file ID
canGetFaceFaceFeature	boolean	false	none	Whether to support face collection (requires the company, any whitelist, and employee switch to be turned on)
corpSensorlessCollect	integer	false	none	Company sensorless collection: 1 - On, 0 - Off
whitelists	[object]	false	none	none
whitelistId	integer	false	none	none

name	string	false	none	Name
sensorlessCollect	integer	false	none	Whitelist sensorless collection: 1 - On, 0 - Off
type	integer	false	none	1: White, 2: Black
failMsg	string	yes	none	none

3.8. GET Employee Forced Overwrite Operation

GET /admin/api/v1/accessGate/whitelist/staff/dealcoverstaffinfo

1: Excel forced import: Feature files must be generated asynchronously, and information related to asynchronous import tasks must be updated.

3.8.1. Params

Name	Location	Type	Required	Description
ids	query	string	no	Separated by commas, updateStaffInfo returned by employee save
source	query	integer	no	Operation source: 0 or empty (default) - Employee editing, 1 - Excel forced import

Response Examples

200 Response



3.8.2. Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	none	Inline

3.8.3. Responses Data Schema

(No relevant content)

4. Employee Access Permission Management

4.1. GET Access Permission List

GET /admin/api/v1/accessGate/access/tactic/list

Query company access policies based on the company group where the user is located.

4.1.1. Params

Name	Location	Type	Required	Description
name	query	string	no	Access policy name
phone	query	string	no	Mobile phone number of whitelist personnel
cropld	query	integer	yes	Company group
accessGateId	query	string	no	none
phoneOrName	query	string	no	Fuzzy match by mobile phone number or access policy name

Response Examples

200 Response

```
{
```

```
"resultCode": "SUCCESS",
"resultMessage": "Successfully queried access policy list",
"totalSize": 15,
"datas": [
  {
    "id": 1,
    "name": "Jinglun Dianzi Tongxing Celue",
    "beginDate": "2024-07-01",
    "endDate": "2025-07-01",
    "weeks": "1,2,3",
    "startTime": "8:00",
    "endTime": "18:00",
    "modifyTime": "2024-07-10 10:00:00"
  }
]
```

4.1.2. Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	none	Inline

4.1.3. Responses Data Schema

HTTP Status Code 200

Name	Type	Required	Restrictions	Description
resultCode	string	yes	none	none
resultMessage	string	yes	none	none
totalSize	integer	yes	none	Total number of records

data	[object]	false	none	Access policy list
id	integer	yes	none	ID Number
name	string	yes	none	Name
beginDate	string	false	none	Authorization start time (yy-MM-dd)
endDate	string	false	none	End time (yy-MM-dd)
weeks	string	false	none	Weeks 1-7, separated by commas
startTime	string	false	none	Start hour and minute
endTime	string	false	none	End hour and minute
modifyTime	string	yes	none	Modification time
cycleType	integer	yes	none	Cycle type (1: Long-term valid, 2: Years/Months/Days, 3: Specified date)
cycleCount	integer	false	none	Required when cycleType is 2 (1: Year, 2: Month, 3: Day)
cycleUnit	number	false	none	Required when cycleType is 2
accessGateList	[object]	false	none	Access Gate information
id	string	yes	none	Access Gate
name	string	yes	none	Access Gate name
whiteList	[object]	yes	none	Whitelist list
id	integer	yes	none	Whitelist ID
name	string	yes	none	Whitelist name
whiteListNum	integer	yes	none	Number of whitelists

4.2. GET Permission Information Detail

GET /admin/api/v1/accessGate/access/tactic/detail

4.2.1. Params

Name	Location	Type	Required	Description
id	query	integer	yes	Access permission ID

Response Examples

200 Response

```
{
  "resultCode": "SUCCESS",
  "resultMessage": "Query successful",
  "data": {
    "id": 1,
    "cropId": 1,
    "name": "Jinglun Dianzi Tongxing Celue",
    "beginDate": "2024-07-01",
    "endDate": "2025-07-01",
    "weeks": "1,2,3",
    "startTime": "8:00",
    "endTime": "18:00",
    "authType": "1,2,3",
    "whitelistIds": [
      1
    ],
    "accessGateIds": [
      1,
      1,
      1
    ]
  }
}
```

```
]
}
}
```

4.2.2. Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	none	Inline

4.2.3. Responses Data Schema

HTTP Status Code 200

Name	Type	Required	Restrictions	Description
resultCode	string	yes	none	none
resultMessage	string	yes	none	none
data	object	yes	none	none
id	integer!null	yes	none	ID Number
cropld	integer	yes	none	Company ID
name	string	yes	none	Name
beginDate	string	yes	none	Start date
endDate	string	yes	none	End date
weeks	string	false	none	Weeks 1-7, separated by commas
startTime	string	false	none	Start hour and minute

endTime	string	false	none	End hour and minute
addNewInstallAccessGate	boolean	false	none	Whether newly added access gate groups are automatically authorized: 1 - Yes, 0 - No
whitelistIds	[integer]	yes	none	Whitelist set
accessGateIds	[integer]	yes	none	Access gate group ID set

4.3. POST Edit Access Permission Information

POST /admin/api/v1/accessGate/access/tactic/save

Edit access permission information.

4.3.1. Params

Name	Location	Type	Required	Description
id	query	integer	no	User ID, indicates new addition if empty
name	query	string	yes	Access policy name
beginDate	query	string	no	Start time (yy-mm-dd)
endDate	query	string	no	End time
weeks	query	string	yes	Weeks 1-7, separated by commas
startTime	query	string	no	Start hour and minute

endTime	query	string	no	End hour and minute
authType	query	string	no	Authorization methods: 1. Mobile Bluetooth, 2. Account, 3. RFID Card, 4. Face, 5. ID Card ID, 6. ID Card Number; 7. ID Card Verification, separated by commas
whitelistIds	query	array[string]	yes	Whitelist set
accessGateIds	query	array[string]	no	Access gate group ID set
cropId	query	integer	yes	Company group
cycleType	query	integer	yes	Authorization cycle type: 1 - Long-term, 2 - Year/Month/Day, 3 - Custom
cycleCount	query	integer	no	Required when cycleType=2, quantity
cycleUnit	query	integer	no	Required when cycleType=2, 0: Year, 1: Month, 2: Day, unit
addNewInstallAccessGate	query	boolean	yes	Whether newly added access gate groups are automatically authorized

Response Examples

200 Response

```
{
  "resultCode": "SUCCESS",
  "resultMessage": "Successfully saved access permission information"
}
```

4.3.2. Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	none	Inline

4.3.3. Responses Data Schema

HTTP Status Code 200

Name	Type	Required	Restrictions	Description
resultCode	string	yes	none	none
resultMessage	string	yes	none	none
data	object	yes	none	none
tacticId	integer	yes	none	Access policy ID

4.4. GET Delete Access Permission Information

GET /admin/api/v1/accessGate/access/tactic/del

4.4.1. Params

Name	Location	Type	Required	Description
ids	query	array[string]	yes	Access permission

				information ID
corpId	query	integer	yes	Mandatory

Response Examples

200 Response

```
{
  "resultCode": "SUCCESS",
  "resultMessage": "Successfully deleted access permission information"
}
```

4.4.2. Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	none	Inline

4.4.3. Responses Data Schema

HTTP Status Code 200

Name	Type	Required	Restrictions	Description
resultCode	string	yes	none	none
resultMessage	string	yes	none	none

5. Visitor Management

5.1. GET Visitor Management List

GET /admin/api/v1/accessGate/access/visitor/list

5.1.1. Params

Name	Location	Type	Required	Description
------	----------	------	----------	-------------

phone	query	string	no	Mobile phone number
name	query	string	no	Name
page	query	integer	yes	Page number, numbered starting from 1
size	query	integer	yes	Maximum 20 items by default
corpId	query	integer	yes	Company ID
phoneOrName	query	string	no	Fuzzy match by mobile phone number or name

Response Examples

200 Response

```
{
  "resultCode": "SUCCESS",
  "resultMessage": "Successfully queried visitor list",
  "totalSize": 15,
  "datas": [
    {
      "id": 42,
      "staffId": 15,
      "name": "lixiang",
      "phone": "15623493966",
      "haveAuthCount": 11,
      "inviter": null,
      "inviterName": "Suankuanggeanjia"
    }
  ]
}
```

```
}
```

5.1.2. Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	none	Inline

5.1.3. Responses Data Schema

HTTP Status Code 200

Name	Type	Required	Restrictions	Description
resultCode	string	yes	none	none
resultMessage	string	yes	none	none
totalSize	integer	yes	none	Total number of records
data	[object]	yes	none	Visitor list
id	integer	yes	none	Visitor record ID
staffId	integer	yes	none	Visitor ID (employee ID)
name	string	yes	none	Name
phone	string	yes	none	Mobile phone number
authCount	integer	false	none	Allowed access times
haveAuthCount	integer	yes	none	Access times
inviterId	integer	yes	none	Inviter ID
inviterName	string	yes	none	Inviter name
modifyTime	string	yes	none	Modification time

qrCodeUrl	string	yes	none	QR code
source	integer	false	none	Source: 1 - Platform, 2 - Mini Program, 4 - Visitor self-entry

5.2. GET Visitor Information Detail

GET /admin/api/v1/accessGate/access/visitor/detail

5.2.1. Params

Name	Location	Type	Required	Description
id	query	integer	yes	Visitor record ID is mandatory

Response Examples

200 Response

```
{
  "resultCode": "SUCCESS",
  "resultMessage": "Query successful",
  "data": {
    "id": 57,
    "staffId": 79,
    "name": "Nadangjianyi",
    "phone": "18150896982",
    "authCount": 85,
    "inviter": 41,
    "inviterName": "Xianyijingli",
    "beginDate": "2024-07-10",
    "endDate": "2024-07-10",
    "startTime": "10:00:00",
    "endTime": "16:00:00",
  }
}
```

```
"accessGateIds": [
  57,
  90
]
}
```

5.2.2. Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	none	Inline

5.2.3. Responses Data Schema

HTTP Status Code 200

Name	Type	Required	Restrictions	Description
resultCode	string	yes	none	SUCCESS
resultMessage	string	yes	none	Success
data	object	yes	none	Visitor information detail
id	integer	yes	none	Visitor record ID
staffId	integer	yes	none	Visitor ID (employee ID)
name	string	yes	none	Name
phone	string	yes	none	Mobile phone number
authCount	integer	yes	none	Access times
inviter	integer	false	none	Inviter's employee ID
inviterName	string	yes	none	Inviter's name

beginDate	string	false	none	Start date (y-mm-dd)
endDate	string	false	none	End date
startTime	string	false	none	Start time
endTime	string	false	none	End time
accessGateIds	[integer]	yes	none	Authorized access gate group
codeStr	string	false	none	QR code Str
gender	integer	false	none	1: Male, 2: Female
source	integer	yes	none	Source: 1 - Platform, 2 - Mini Program
idCardNo	string	false	none	ID card number
haveAuthCount	integer	yes	none	Number of accesses made

5.3. POST Visitor Information Save

POST /admin/api/v1/accessGate/access/visitor/save

5.3.1. Params

Name	Location	Type	Required	Description
id	query	integer	no	Visitor record ID, indicates new addition if empty
name	query	string	yes	Name
phone	query	string	yes	Mobile phone number
authCount	query	integer	yes	Access times

inviter	query	integer	yes	Inviter
beginDate	query	string	yes	Start date (yy-mm-dd)
endDate	query	string	yes	End date
startTime	query	string	yes	Start time
endTime	query	string	yes	End time
accessGateIds	query	array[string]	yes	Authorized access gates
corpId	query	integer	yes	Company ID
codeStr	query	string	no	QR code str
gender	query	integer	no	1: Male, 2: Female
idCardNo	query	string	no	Visitor's ID card number (Note: Will overwrite existing visitor information)

Response Examples

200 Response

```
{
  "resultCode": "string",
  "resultMessage": "string",
  "data": {
    "id": 0,
    "name": "string",
    "phone": "string",
    "codeVisit": 0
  }
}
```

```
}  
}
```

5.3.2. Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	none	Inline

5.3.3. Responses Data Schema

HTTP Status Code 200

Name	Type	Required	Restrictions	Description
resultCode	string	false	none	SUCCESS
resultMessage	string	yes	none	Success
data	object	yes	none	none
id	integer	yes	none	Visitor record ID
name	string	yes	none	Name
phone	string	yes	none	Mobile phone number
codeVisit	integer	yes	none	none

5.4. POST Visitor Information Delete

POST /admin/api/v1/accessGate/access/visitor/del

5.4.1. Params

Name	Location	Type	Required	Description
ids	query	array[string]	yes	Visitor

				information ID
corpId	query	integer	no	Company ID, mandatory for openAi

Response Examples

200 Response

```
{
  "resultCode": "SUCCESS",
  "resultMessage": "Deletion successful"
}
```

5.4.2. Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	none	Inline

5.4.3. Responses Data Schema

HTTP Status Code 200

Name	Type	Required	Restrictions	Description
resultCode	string	yes	none	SUCCESS
resultMessage	string	yes	none	Success

5.5. GET Company Employee List

GET /admin/api/v1/accessGate/corp/staff/list

Company employee list

5.5.1. Params

Name	Location	Type	Required	Description
corpId	query	integer	yes	Company ID
onlyCanInvite	query	integer	no	0: All, 1: Only those with visitor permission; default is 0
id	query	integer	no	Employee ID
page	query	integer	yes	none
size	query	integer	yes	none
name	query	string	no	Name (fuzzy query)
whiteType	query	integer	yes	1: Whitelist (default), 2: Blacklist

Response Examples

200 Response

```
{
  "resultCode": "54",
  "resultMessage": "Success",
  "datas": [
    {
      "id": 91,
      "name": "lixiang"
    }
  ]
}
```

5.5.2. Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	none	Inline

5.5.3. Responses Data Schema

HTTP Status Code 200

Name	Type	Required	Restrictions	Description
resultCode	string	yes	none	SUCCESS
resultMessage	string	yes	none	Success
totalSize	integer	yes	none	Total number of records
datas	[object]	false	none	Employee information
id	integer	yes	none	Employee staff ID
name	string	yes	none	Name

6. Access Records

6.1. GET Access Records

GET /admin/api/v1/accessGate/access/record/list

6.1.1. Params

Name	Location	Type	Required	Description
page	query	integer	no	Page number
size	query	integer	no	Maximum 20 items by default
queryTimeBetween	query	array[string]	no	Start time - End time (yy-mm-dd), length 2

dir	query	integer	no	In/out direction: 1 - Inbound; 2 - Outbound
accessGateId	query	integer	no	Access gate group ID
type	query	integer	no	Personnel type: 0 - All verified access, 1 - Employee; 2 - Visitor, -1 - All unverified, empty - All
staffName	query	string	no	Name
phone	query	string	no	Mobile phone number
corpId	query	integer	yes	Company ID, optional; query all if empty
whitelistId	query	integer	no	Whitelist ID; when not empty, type is 0, 1 or empty (All verified access > Employee > Whitelist)
phoneOrName	query	string	no	Mobile phone number or employee name, email/mobile phone number
idCardNo	query	string	no	ID card number
email	query	string	no	Email

channel	query	string	no	Access gate channel
---------	-------	--------	----	------------------------

6.1.1.1. Description

size: Maximum 20 items by default

Response Examples

200 Response

```
{
  "resultCode": "SUCCESS",
  "resultMessage": "Success",
  "totalSize": 25,
  "data": [
    {
      "id": 74,
      "staffName": "Shuzhongxilingyuan",
      "dir": 33,
      "accessTime": "2024-07-10 16:00:00",
      "accessGateName": "Chongshejidianjiugong",
      "channel": "ex nostrud",
      "type": 66,
      "phone": "13880489481",
      "typeName": "Yinmeiwangwangfuxiezheng",
      "dirName": "Changxitiaoyingxiaosuqu"
    }
  ]
}
```

6.1.2. Responses

HTTP Status Code	Meaning	Description	Data schema
------------------	---------	-------------	-------------

200	OK	none	Inline
-----	----	------	--------

6.1.3. Responses Data Schema

HTTP Status Code 200

Name	Type	Required	Restrictions	Description
resultCode	string	yes	none	SUCCESS
resultMessage	string	yes	none	Success
totalSize	integer	yes	none	Total number of records
data	[object]	yes	none	none
id	integer	yes	none	Access record ID
staffName	string	yes	none	Name
dir	integer	yes	none	In/out direction (1-0, to be determined)
accessTime	string	yes	none	Access time (access gate local time)
accessGateName	string	false	none	Access gate group name
channel	string	false	none	Channel name
type	integer	false	none	Personnel type: 1 - Employee; 2 - Visitor
phone	string	false	none	none
typeName	string	yes	none	Personnel type name (displays whitelist when type is 1)

dirName	string	yes	none	Direction name
accessTimeUtc	string	false	none	Access time (UTC)
idCardNo	string	false	none	ID card number
email	string	false	none	Email
authType	string	yes	none	Authorization methods: -1: Free access, 1: Mobile Bluetooth; 2: QR code; 3: RFID card; 4: Face; 5: Free access; 6: ID card number; 7: ID verification, 8: Email, 9: Bluetooth remote control