Instruction about API of QR Master

1/ Introduction about API of QR Master

(1) API of QR Master is provided for the third party who wants to obtain QR Keys online in his own systems.

- > Through the API of QR Master, the third party can:
- obtain and cancel QR Keys online through his own system;
- Issue, read, and remove RF card(The API concerning RF card should be connected with external tools like card issuer and website of QR Master.)



(2) API type:

• API for QR Code

R Code / Bluetooth API type	Introduction	Price
Trial version	Support applying for room cards for the day (only for test), create up to 10 room cards per day (50 trial clusters)	Free
Standard version	Standard version, used for the third-party system. Using it, you can obtain and cancel cards online.	800.00RMB/1years
Professional version	Professional version, used for the third-party system. Using it, you can obtain and cancel cards online and set your own logo.	1100.00RMB/1years
Advanced version	Advanced version used for the third-party system. Using it, you can: Obtain and cancel cards online; Set your own logo; Provide advertising space, Add your company's name.	5800.00RMB/1years
Share version	Share version used for the third-party system. Using it, you can. Obtain and cancel cards online, Set your own logo, Support the return to QR Code card image and interface of user-defined unlock by Bluetooth. Number of rooms: 300 or less.	6800.00RMB/2years
Custom version	Custom version, for third-party system. Using it, you can: Obtain and cancel cards online, Set your own logo; Support the return to QR Code card image and interface of user-defined unlock by Bluetooth; Support obtaining building cards and floor cards	9800.00RMB/1years



The process of invoking API of QR Keys

- Create cards: The third party can create room cards(QR Keys) via Server in QR Master.
- Obtaining cards(for Standard, Professional, and Advanced version): The third party can obtain cards(QR Keys) created. The API will reverse back a HTML page with QR Code.
- Obtaining cards(for Share and Custom version): The third party can obtain room cards(QR Keys) created. The API will reverse back a picture of QR Code with base64.
- Cancel cards: The third party can cancel the cards created so as to make it invalid.

• API for RF card

RFAPI type	Introduction	Price
Trial version	Support applying for room cards for the day.(only for test), create up to 10 room cards per day (50 trial clusters)	Free
Basic version	Applicable toRF, QR, QRA, QRB, QRN, QRM LOCK; for third-party application development to web, can obtain room information for card issuance.	500.00RMB/2years

Obtain MAC of card issuer: Used for issuing RF cards in the third system. The MAC reversed back can be used to issue, read and cancel RF cards.



2/Process of accessing the API

If you have not activate the API service, you can directly use the trial account in QR master(In the front page of QR Master<u>http://qrm.uclbrt.com/</u> to click "Try at once"→Choose 锁掌柜体验 群 QR Sample Test to connect with the API of QR Master. The data of this trial account has been set beforehand so you just needs to login and check to get it. For further accessing progress, please refer to the accessing progress of the clients who have activated it and used it as follows.

If you have activated the API(Please contact at 400-8618286 to activating it), you can use your own account to access by the following steps:

- Authorize community and API;
- Set parameters required;
- Invoke the API.

(1) Before invoking:

Before you connect the API, you need to fill in some parameters such as community No., room NO., building NO., etc. So you need to make sure that you have registered in QR Master, authorized the community and API, and configured basic parameters.

> Authorize the community:

Login QR Master \rightarrow Click "Add" \rightarrow Fill in basic info of the community and submit.

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III Communities	Communities				_			2 Add
R. Micro community	Name	No.	Role	Type	Description	Contacts	Contact	Operation
Statistics	12345678912345678912	1316882315	Administrator	Hotel	测试		+861.	Operation -
Product and Service	123	1316882233	Sub Administrator	Hotel	奥试	-	+861	Operation 👻
User Center	十六家	1316591974	Administrator	Hotel		目体	+9815070412614	Operation -

After adding the community, you can find your community in the list and click "Operation" and choose "Authenticate" to authorize.

QR Master console						D D	ownload APP 🔗 He	lp English - 💄 150****26*
Communities	Communities							Add
Vicro community	Name	No.	Role	Туре	Description	Contacts	Contact	Operation
tatistics •	12345678912345678912	1316882315	Administrator	Hotel	Ref.	老广	+8615070412613	Operation •
roduct and Service	123-线上测试	1316882233	Sub Administrator	Hotel	測试	丘先生	+8618776592932	Check Edit
ser Center	大富豪			Hotel		具体	+8615070412614	Authenticate
rusteeship Center	大曲梁	1316881871	Administrator	Hiotel			+86150/0412614	Disable
	福田-雅売公寓	1316881869	Administrator	Apartment		李易峰	+8615070412614	Operation -
	江西祭祭	1316881843	Administrator	Hotel		15070412614	+8615070412614	Operation +

Click "Manage" \rightarrow "Information" \rightarrow "Community Information" \rightarrow "Re-authenticate" \rightarrow Fill in your valid personal or company certificates to submit. After submitting, please contact the sales of QR Master or the manager to review and authorize.

III I≣ Communities	Community Information Lock secret key	Time setting Personalized settings				
Manage -	Community information					Edit
Room	Basic information					
Member Client	Community name: 岳阳楼——绕上湖武 Type: Hotel Community time cone: (UTC/GMT+8)China					
Group Cabinet Management	Mobile phone area code: +95 Authenticate status: Allocated Agent: defaultAgency					
Information	Description: 阿斯特波生大地是阿斯特的 Community logo:					
Encryption grn-box Management	Business contact					
▲ Micro community	Contacts: 論析 Telephone: +9618574524119 Address: 天闭区					
In Statistics Product and Service						
User Center	Authentication	to fee the modification and wait for weithration	In other to make sum that your materials are to affect and renewed susceptibility	u electro ho euro lo contrat	ur to re over	e-authenticate

> API Authentication

Login QR Master \rightarrow "Product and Service" \rightarrow "Interface" \rightarrow "Overview" \rightarrow Click "Edit" \rightarrow Fill in the information required and click" Submit".

GR Master console					
	3				
Communities	Overview	eveloper account Invoice Request			
🛛 Manage 🔶 🔸	Application information			Cancel	Submit
▲ Micro community	1.44				
.h Statistics 1 ,	Company name:	: jās			
Product and Service	"Name:				
Interface 2					
SMS Management	APP type:	Web APP *			
Application program	"Developer:	រ <u>ន</u> េះធីវិត			
Collection service	"Contacts :	+86 1507			
L User Center	"logo:	/Uploads/AppLogo/20190426/5cc2651c0e621.jpeg Upload 50 * 50 resolution, less than 100k recommended			
n Trusteeship Center	- Hegor				
	"Unlock the advertising) Yes 🐵 No			
	function?: 'Published?:) Yes @ No			
	Description :	iğir.			

> Create the room , floor, and building

You can set the information of buildings, floors and rooms of the community via this page.

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加密管理	RF房间	RF1	026	RFLOCK-V9	司参議團2	092	首任同步模称	001			暖 新19	
盒子管理	QRA-2	A2	123	QRALOCK	同步模图2	092	義住民步權陈	001		9	根 影吟	

> Set the effective time of QR Code in "Time setting".

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Communities	Community information Lock secret key Time setting Personalized settings		
E Manage 👻	Effective time		Edit
Print and Issue	4		
Room	Room card effective time setting (1-60 minutes)		
Member	Room card effective time setting (1-60 minutes)		
Client	Effective time: 1 Minutes		
Group			
Cabinet Management	Time for taking Electricity 5		Edit
Information 2			
Encryption	Set the time of the room card (1-30 Minutes) Note: For Admin Card, Building Card and Floor Card of ORLOCK, the effective time for taking electricity is 30 minutes by default.		
qm-box Management			
2 Micro community	Time for taking Electricity: 1 Minutee		
In Statistics >			

(2) Parameters Setting

You need to acquire the following parameters when invoking the API of QR Master.

Parameter	Explanation	
Account SID	Account SID	
Auth Token	Account Authentication Token	
communityNo	CommunityID	
buildNo	Building No.	
floorNo	Floor No.	
roomNo	Room No.	

➤ Account SID, Auth Token: "Product and Service"→"Interface"→"Developer Account"

GR Master console		Down
111	3	
Communities	Overview Developer account Invoice Request	
□ Manage →	Notice: You need to add at least one community and pass the enterprise/personal authentication so as to get developer's authority and Auth Token. Auth Token is the certificate to call APIs.	
Aicro community		-
∎ Statistics →	Developer account	
Product and Service		
Interface 2	Account SID: 986510	
SMS Management	Auth Token: e687bc.	
Application program		
Collection service		

➤ CommunityNo: "Communities" → Choose the community that needs to connect with API, its No. is the CommunityNo..

QR Master console					
Communities Manage	Sommunities				
 Micro community	Name	No.	Role	Туре	Description
In Statistics	小径湾	1316	Administrator	Hotel	测试小径湾
Product and Service	卡车	131	Administrator	Hotel	
L User Center	乡舍	1316	Administrator	Hotel	
Center					

▶ BuildNo, FloorNo, RoomNo: "Manage" \rightarrow "Room" \rightarrow Choose the correct parameters.

R Master console				Г	銷寧柜体验群QR San	nple Test 👻			
 III Communities	3 Room Fi	oor Bui	ding			Choose the	community you	want to connect wi	ith API
Manage 1 -	Building: All V Fi	oor: All Contains 226 Roo	oms Please input ti	ne room NO, to search	Search				
Room 2	Room type / Type	RoomNo	Lock No.	Lock type	Floor name	FloorNo	Building name	Building No.	
Member	家庭四人房	1002	120	QRALOCK	1F	001	QRBLOCK	003	
Client Group	tt	023	033	QRLOCK	001	001	kkkk	202	
Cabinet Management	imz测试	001	001	QRLOCK	imx01	017	IMX	017	
Information	精品海洋赛房	1001	000	QRLOCK	1F	001	QRBLOCK	003	

(3) Invoking Process

Errors that may occur in the process(Related code explanation) http://qrm.uclbrt.com/errorCode.html#openCenterMenuAnchor

Demo and SDK collection (By PHP)

https://gitee.com/uclbrt/api-sdk

> Create QR Key

URL: <u>https://api.uclbrt.com/?c=Qrcode&a=getLink</u> Return: the record No. of QR Key(The record No. can be used to cancel the QR Key)

You can download the demo in the following URL to view more details: http://grm.uclbrt.com/openQrcodeLinkv2.0.html#openCenterMenuAnchor

➢ Obtain QR Key

URL: <u>http://cz.uclbrt.com/apiLogin?data={data}</u> Return: A page with QR Code(It can be visited through browser or embed in your App.)

You can download the demo in the following URL to view more details: <u>http://qrm.uclbrt.com/openGetCardv2.0.html#openCenterMenuAnchor</u>

Cancel QR Key

URL: <u>https://api.uclbrt.com:8058/?c=Qrcode&a=cancelCard&sig={sig}</u>
Reture: Cancel status

You can download the demo in the following URL to view more details: http://grm.uclbrt.com/openQrcodeCancelv2.0.html#openCenterMenuAnchor

➢ Issue QR Key

URL: <u>https://api.uclbrt.com/Home/Qrm/makeRoomCard</u> Return: Issue status

You can download the demo in the following URL to view more details: <u>http://qrm.uclbrt.com/qrmMakeRoomCard.html#navBar</u>

Read RF Card

URL: <u>https://api.uclbrt.com/Home/Qrm/readCard</u> Return: Message read through the RF Card

You can download the demo in the following URL to view more details: <u>http://qrm.uclbrt.com/qrmReadRoomCard.html#navBar</u>

Cancel RF Card

URL: <u>https://api.uclbrt.com/Home/Qrm/cancelCard</u> Return: Cancel status

You can download the demo in the following URL to view more details: <u>http://grm.uclbrt.com/grmCancelRoomCard.html#navBar</u>

URL: <u>https://api.uclbrt.com/Home/Qrm/getMacList</u> Return: MAC list of the card issuer in the community

You can download the demo in the following URL to view more details: http://grm.uclbrt.com/grmGetissueMac.html#navBar

More questions, please view in this link: http://qrm.uclbrt.com/openDocument.html#navBar