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

QR Code / Bluetooth API type	Introduction	Price	Check
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	Document
Standard edition	Standard edition , it can provide get QRCard online to external system.	consults servicer	Document
Professional edition	Professional edition. it can provide get QRCard online and user-defined logo to external system.	consults servicer	Document
Advanced version	Advanced version for third-party system, can provide QRCode, cancel QRCode online, set your own QRCode logo, put the advertisement for your company and change the original company name.	consults servicer	Document
Share version	Share version for third-party system, can provide QRCode, cancel QRCode online, set your own QRCode logo, get the qrcode image.	consults servicer	Document
custom version	sssssssssdddddddddwerweffegwfwefwfwfwfwfsdfdsfwefwef	consults servicer	Document



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
Alicro community	Name	No.	Role	Туре	Description	Contacts	Contact	Operation
.lt Statistics >	12345678912345678912	1316882315	Administrator	Hotel	测试		+861.	Operation +
Product and Service +	123城上例试	1316882233	Sub Administrator	Hotel	演行式	200	+861	Operation 👻
L User Center	十五帝	1216891971	Administrator	Hotel		目体	+2615070412614	Operation =

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

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III Communities	Communities							Add
Micro community	Name	No.	Role	Туре	Description	Contacts	Contact	Operation 2
all Statistics +	12345678912345678912	1316882315	Administrator	Hotel	務法	老广	+8615070412613	Operation 🔺
Product and Service •	123线上测试	1316882233	Sub Administrator	Hotel	测试	丘先生	+8618776592932	Check Edit
L User Center ♂ Trusteeship Center	大富豪	1316881871	Administrator	Hotel		具体	+8615070412614	Authenticate Disable
	福田-董売公寓	1316881869	Administrator	Apartment		李易峰	+8615070412614	Operation -
	(1598	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 Tir	ne setting Personalized settings					
Manage *	Community information						Edit
Room	Basic information						
Member Client	Community name: 武阳塔——统上游武 Type: Hotel Community time zone: (UTC/GMT+8)China						
Group Cabinet Management	Mobile phone area code: +86 Authenticate status: Allocated Agent: defautiAgency						
Information	Description: 阿斯顿波生大幅原阿斯顿 Community logo:						
Encryption orn-box Management	Business contact						
Micro community	Contacts: 調明 Telephone: +8618574524119 Address: 天闲区						
Product and Service	Authentication					R	e-authenticate
L User Center	Tine. You can elil una ba communities con ico urban unu anche	for the modification and wait for workeation	In order to make zure that your materiate are in effect and reserved successfully	alease he cure le contact	us to so ovami		

> 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".

	3					
Communities	Overview	eveloper account Invoice Request				
🗋 Manage 🔹 🕨	Application information				Cancel	Submit
▲ Micro community	1.44					
In Statistics	Company name:	1 (A)				
Product and Service	"Name:					
Interface 2						
SMS Management	APP type:	Web APP T				
Application program	"Developer:	3 《國法				
Collection service	"Contacts :	+86 1507				
L User Center		I Mande / April April April 2015 (2025) (April 1 April	loss Box 100k accommoded			
Trusteeship Center	ingut		, ress mail 1006, recommended			
		e				
	"Unlock the advertising	Ĵ Yes ⊛ No				
	function?: "Published?:) Yes 🛞 No				
	Description:	श्रेत				

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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月前間理 成员管理 新户管理	1990 (1990) 3	62	R : 003	©RFLOCK-V9 ©QRI WIFI ©3#02	BLOCK ©GRMLOCK	Ogralock				3	還作 現 1994	
分相管理	2		001	UNLIGHT	د <u>الان</u> داند.	V80	演过两岁发现	和注			级 影响 级 影响	
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金子管理	ORA-2	A2	123	QRALOCK	同步慎固2	092	篇住同步领标	001		98	银 数钟	

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

ш	3		
Communities	Community Information Lock secret key Time setting Personalized settings		
E Manage 👻	Effective time		Edit
Print and Issue	4		
Room			
Member	Room card enective 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 QRLOCK, the effective lime for taking electricity is 30 minutes by default.		
qm-box Management			
2 Micro community	Time for soung Electrony: 1 Minutes		
du 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	Community ID
buildNo	Building No.
floorNo	Floor No.
roomNo	Room No.

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

GR Master console		Down
111		
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					
Ш					
Communities	Communities				
🗋 Manage 🛛 🕨					
R 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					
🕏 Trusteeship Center	乡舍	1316	Administrator	Hotel	

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

QR Master console				E	简字柜体验群QR Sam	ple Test +		Downlo	ad APP 🔗 H
111	3					Choose the d	community you	want to connect	with API
	Room	Floor Buik	ling						
Anage -	Building: All	Floor: All Contains 226 Roo	ms Please input th	he room NO. to search	Search				
Print and Issue		RoomNo				FloorNo		BuildingNo	
Room 2	Room type / Type	Room No.	Lock No.	Lock type	Floor name	Floor No.	Building name	Building No.	
Member	家庭四人房	1002	120	QRALOCK	1F	001	ORBLOCK	003	
Group	tt	023	033	QRLOCK	001	001	kkkk	202	
Cabinet Management	imc阅读	001	001	QRLOCK	imx01	017	IMX	017	
Information	稿品海洋赛房	1001	000	QRLOCK	1F	001	QRBLOCK	003	
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(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