Rakinda Integration Module Settings Guide

ACFA PSIM 1.0

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1 Introduction into Rakinda Module Settings Guide

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1.1 Purpose of the document

This *Rakinda Module Settings Guide* is a reference manual designed for *Rakinda* Module configuration technicians.

This Guide presents the following materials:

1. general information about the *Rakinda* integration module;
2. configuration of the *Rakinda* integration module;
3. working with the *Rakinda* integration module.

1.2 General information about the Rakinda integration module

The *Rakinda* module is a component of an ACS built on the *ACFA PSIM* Software System. It is designed to ensure the interaction between the *Rakinda* ACS and the *ACFA PSIM* Software System (monitoring).

Note.

Detailed information about the *Rakinda* ACS is presented in the official documentation for that system (manufacturer Shenzhen Rakinda Technology Co., Ltd).

Before configuring the *Rakinda* module, it is necessary to install the *Rakinda* hardware on the protected object (see the *Rakinda* reference documentation).

2 Supported hardware and licensing of the Rakinda integration module

Manufacturer	Shenzhen Rakinda Technology Co., Ltd 5F Building A2 , Lee Lang Software Park, Bu Lan Road 31, Longgang District, Shenzhen City, Guangdong, China Phone: +86 755 8323 3013 Email: wyp@rakinda.com http://www.rakinda.com
Integration type	SDK
Equipment connection	Ethernet

Supported equipment

Equipment	Function	Features
RD007	Barcode Scanner	• 2D: PDF417, QR CODE, DATA MATRIX, support for reading the screen and printed QR code. • 1D: CODE 128, UCC/EAN-128, AIM-128, EAN-8, etc. • Reading distance: 10-55 mm. • Scanning angle: 360°. • Can read ISO14443A and ISO14443B card serial numbers. For example, second-generation ID card FM1208 CPU card, M1 card (Mifare S50, Mifare S70 IC card), SRIX4K, etc. • Communication Interface: RJ45 10/100M TCP/IP. • Wiegand output: Wiegand 26/34.

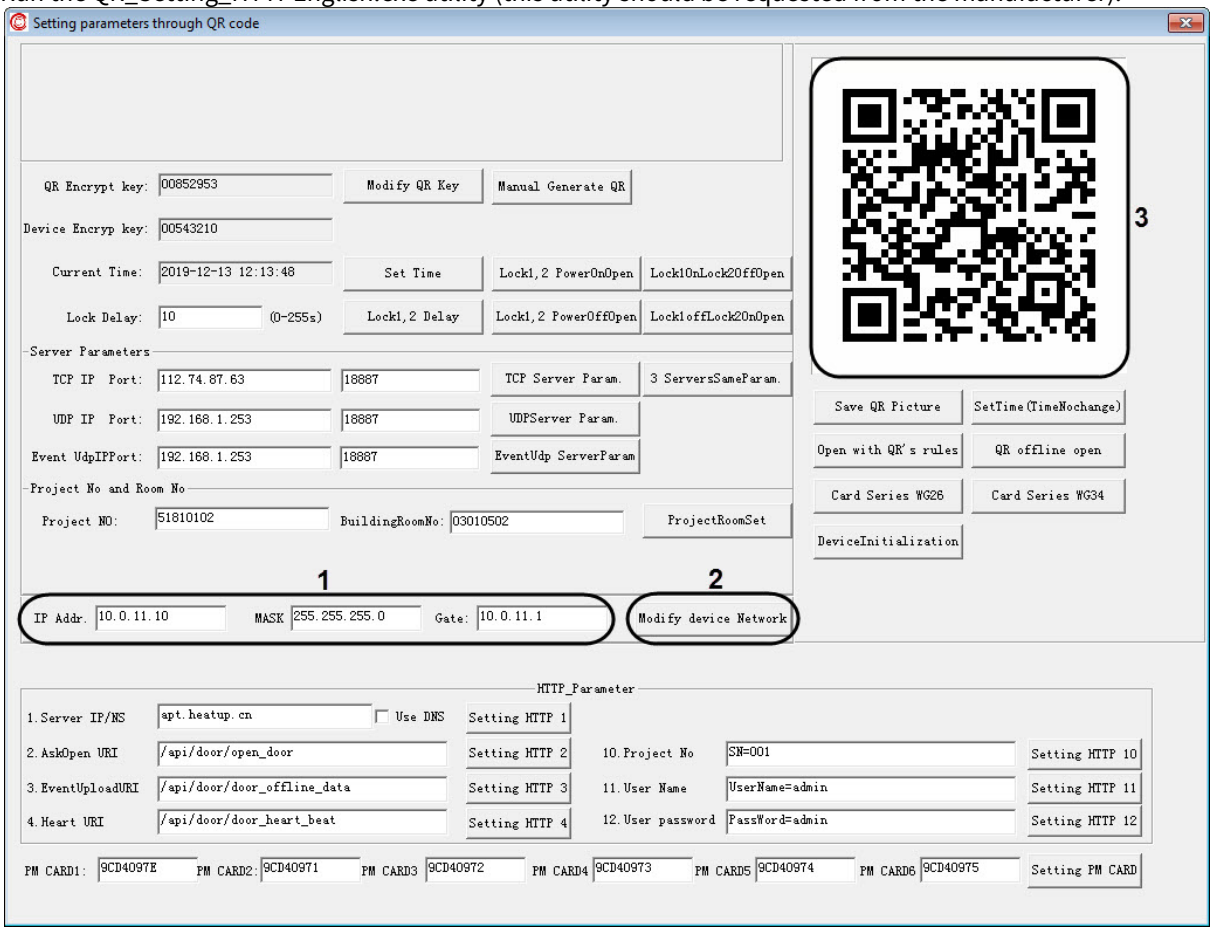
Protection
Per 1 Barcode Scanner.

3 Configuration of the Rakinda integration module

3.1 Pre-configuring the Rakinda ACS

Pre-configure the *Rakinda* ACS as follows:

1. Run the QR_Setting_HTTPEnglish.exe utility (this utility should be requested from the manufacturer).



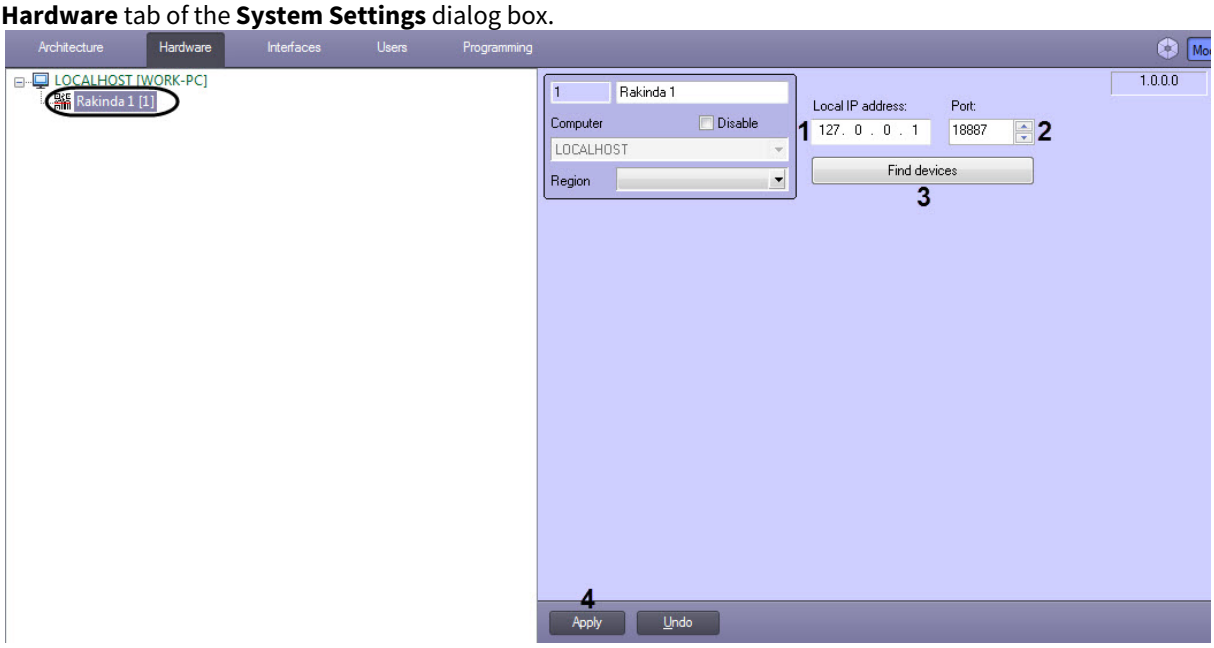
2. Set the IP address, mask and gateway of the *Rakinda* device (**1**).
3. Click the **Modify device Network** button (**2**). As a result, a QR code (**3**) will be generated.
4. Read the received QR code using the *Rakinda* device. As a result, the specified network settings will be assigned to the *Rakinda* device.

Pre-configuration of *Rakinda* ACS is completed.

3.2 Configuring the Rakinda ACS connection

Rakinda ACS connection is configured as follows:

1. Go to the settings panel of the **Rakinda** object, which is created on the basis of the **Computer** object on the **Hardware** tab of the **System Settings** dialog box.



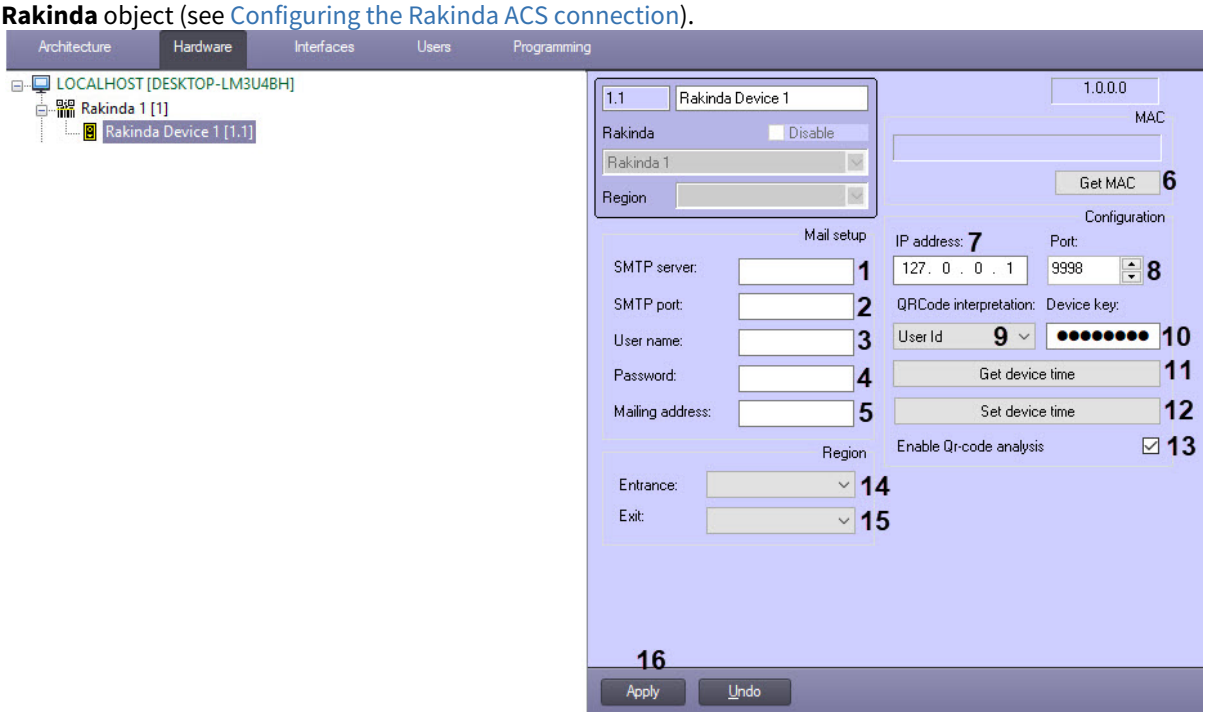
2. In the **Local IP address** field (**1**), enter the IP address of the *ACFA PSIM* Server.
3. In the **Port** field (**2**), enter the port of the *ACFA PSIM* Server.
4. Click the **Find devices** button (**3**) to find the connected *Rakinda* device and automatically create an object for it.
5. Click the **Apply** button (**4**) to save the changes.

Rakinda ACS connection is now configured.

3.3 Configuring the Rakinda device

The *Rakinda* device is configured as follows:

1. Go to the settings panel of the **Rakinda Device** object, which is created automatically on the basis of the **Rakinda** object (see Configuring the Rakinda ACS connection).



2. In order to send the generated by the *Rakinda* device QR-code to user's email, do the following:
   a. In the **SMTP server** (**1**) and **SMTP port** (**2**) fields specify the address of the mail server and port number.
   b. In the **User name** (**3**) and **Password** (**4**) fields specify user's login and password.
   c. In the **Mailing address** field (**5**) enter user's email address.
3. Click the **Get MAC** button (**6**) to get the MAC address of the computer where the *Rakinda* device is installed.
4. If necessary, change the **IP address** (**7**) and **Port** (**8**) of the *Rakinda* device in the corresponding fields that are filled in automatically.
5. From the **QRCode interpretation** drop-down list (**9**) select the field that the device expects to see in the QR-code. In this integration - only user's ID.
6. In the **Device key** field (**10**) enter the device key that is in the *Rakinda* device passport.
7. In order to request the time from the *Rakinda* device, click the **Get device time** button (**11**).
8. In order to record time on the *Rakinda* device, click the **Set device time** button (**12**).
9. Set the **Enable Qr-code analysis** checkbox (**13**). If the checkbox is selected, when the device gets two-dimensional code, it sends it directly to the server to make a decision, or determines two-dimensional code itself.
10. From the **Entrance** (**14**) and **Exit** (**15**) drop-down lists select user's entrance and exit regions respectively.
11. Click the **Apply** button (**16**) to save the changes.

The *Rakinda* device configuration is now complete.

4 Working with the Rakinda integration module

4.1 General information about working with the Rakinda integration module

To work with the *Rakinda* integration module, the **Event log** interface object is used.

The information on how to configure this interface object can be found in Axxon PSIM Software package: Administrator's Guide.

Information on how to work with this interface object can be found in Axxon PSIM Software package: Operator's Guide.