

SIEMENS

SICAM Device Manager

V1.00

User Manual

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Disclaimer of Liability

Although we have carefully checked the contents of this publication for conformity with the hardware and software described, we cannot guarantee complete conformity since errors cannot be excluded.

The information provided in this manual is checked at regular intervals and any corrections that might become necessary are included in the next releases. Any suggestions for improvement are welcome.

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Release Date:
09.2016

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Preface

This document is applicable for the following products:

This document is valid for SICAM A8000 series.

More specifically, this includes:

- CP-8000 (formerly known as SICAM CMC)
- CP-8021
- CP-8022

Purpose of this manual

This manual describes the administration of devices of SICAM A8000 series.

Particularly it contains the following topics:

- Project administration
- Folder administration
- Device administration
- Backup
- Connecting to a device via SICAM WEB

Target Group

This document is addressed to users, who are in charge of the following engineering tasks:

- Configuration
- Parameterization

Notes



Hint

is important information about the product, the handling of the product or the respective part of the documentation, to which special attention is to be given.



Hint

Information about open source software, installation, removing products and preconditions can be found in the SICAM Device Manager Product Information.

Placement into the Information Landscape

SICAM Device Manager, Product Information	E50417-X8940-C618-A1, Release 08/2016
SICAM RTUs, SICAM CMIC, User Manual	DC8-001-2.xx
SICAM CMIC System Description	MC8-001-2.xx

Further Support

For more information about SICAM Device Manager, see following link:
<http://www.siemens.com/sicam>.

If this link is not available, please contact your project leader at SIEMENS

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1 Starting and Closing SICAM Device Manager

1.1 Starting the application

After successful installation, start SICAM Device Manager either via

- Start menu -> SICAM Device Manager

or

- Double click on the icon *SICAM Device Manager* on your desktop

The splash screen appears for a few seconds containing information about the application version, licence and copyright:




Then the application starts:



- Follow the instructions of the welcome screen.

1.2 Closing the application

- If you want to close SICAM Device Manager
- Save all your data
- Close all projects
- Press 

2 GUI of SICAM Device Manager

The following chapters will show you how to work with the graphical user interface of the SICAM Device Manager application.

The SICAM Device-Manager GUI is designed to work with

- tablet (touch)
- desktop-system (keyboard & mouse)

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2.1 GUI Areas

The GUI of SICAM Device Manager is organized in the following areas:

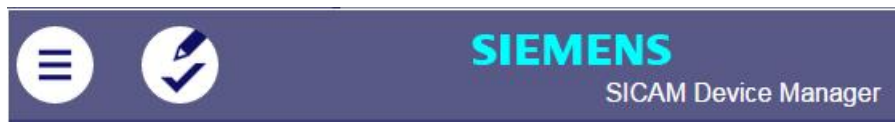


2.2 Tab area

After opening a project/device (you pressed on *Name of the Device* to connect to the device) a respective tab will be displayed in the tab area.

Note that currently opened folders are displayed in the breadcrumbs area.

2.3 Header



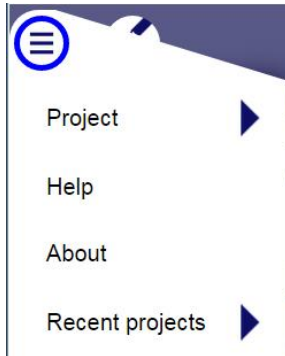
The header in the project-view contains the following buttons:

2.3.1 Menu



Menu Button

The menu button contains the following menu entries:



2.3.1.1 Project

The menu entry *Project* contains the following submenu entries:

[Create project](#)

[Open project](#)

[Close project](#)

[Edit Project](#)

2.3.1.2 About

Provides information about the product and product version

- Press *OK* to close the information window

2.3.1.3 Recent Projects

Refer to chapter [recent projects](#).

2.3.2 Save



... Save button

2.4 Navigation

2.4.1 General Buttons



OK button

- Press to confirm the latest action



Abort button

- Press to cancel the latest action / to exit the current dialog
-



No button

- Press to reject and exit the current dialog

2.4.2 Breadcrumbs

Breadcrumbs are navigation aids which lead you through the hierarchical structure of your project.



Example for breadcrumbs of an open project



Home button


- Press *home* button:
All folders and devices of the project root are displayed in the working area



right arrow: indicates the existence of a subsequent subfolder

- Press *right arrow* to get a content preview of the subfolder
The *right arrow* turns into *select arrow*.
- Select a subfolder

After the selection of a subfolder all folders and devices of this selected subfolder are displayed in the working area; the path of your project is shown in the breadcrumbs.

 *select arrow*

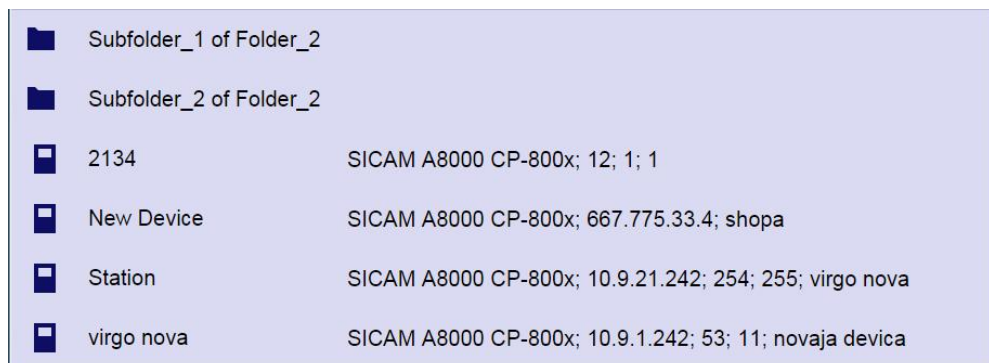
- Press *select arrow* to close the content preview of the subsequent subfolder

You can use the *right arrow* on any point of the breadcrumbs to change to different folders:



2.4.3 Working area: how to select a folder/device

All folders and devices of the current folder (or project root) are displayed in the working area on the same hierarchy level. The position of the current folder is displayed in the breadcrumbs which serves you for orientation.



Example: display of folders and devices in the working area

 *<Name of the Folder>*

Folder button

- Press the *Folder button* one time to **select** the folder
- Press the *Folder button* twice (double click when using a mouse) to **open** the folder
- Press on *Name of the Folder* to **open** the folder



<Name of the Device>

Device button

- Press the Device button one time to select the device
- Press the Device button twice (double click when using a mouse) to connect to the device
- Press on Name of the Device to connect to the device

It is possible to select more than one folder and/or devices for deleting or cutting procedures. The amount of all selected folders/devices is displayed in the action bar, example:



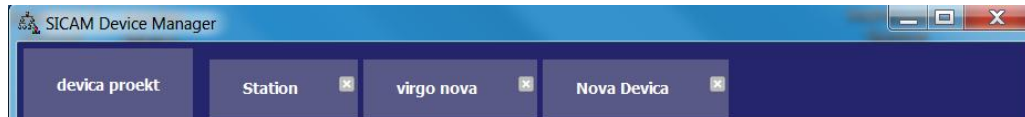
- Four folders/devices are currently selected



- *Unselect* button
- Press *Unselect* button to unselect all folders/devices
- Press *Device* button or *Folder* button to unselect the respective folder/device

2.4.3.1 Tab area

After opening a device (you pressed on *Name of the Device* to connect to the device) a respective tab will be displayed in the tab area:



Example: an open project and its defined devices in the tab area

Refer also to chapter 4 Devices.

2.4.4 Local Toolbar

In the local toolbar, always two buttons are available if neither a folder nor a device is selected:



New Folder button, refer to [Creating folders](#)



New Device button, refer to [Creating Devices](#)

You can add a folder and/or add a device.

The third button will be displayed only after you have pressed the *cut* button in the action bar.



Paste button, refer to [Moving folders](#) and [Moving Devices](#)

The *paste* button will be displayed only after you have pressed the *cut* button in the action bar.

The local tool bar will be replaced by the action bar if you select a folder or a device.

2.4.5 Action Bar

As soon as you have selected a folder or a device the action bar will be displayed (the local toolbar is hidden).

2.4.5.1 Selected folder

If you have selected a folder the action bar contains the following buttons:



Edit folder, refer to [Renaming folders](#)



Cut button, refer to [Moving folders](#)



Delete folder, refer to [Deleting folders](#)

2.4.5.2 Selected device

If you have selected a device the action bar contains the following buttons:



Connect button, refer to [Connecting to a Device](#)



Edit device, refer to [Editing Device Properties](#)



Cut button, refer to [Moving Devices](#)



Delete device, refer to [Deleting Devices](#)



Context menu button, refer to [Device Backup](#) and [Multiplying devices](#)

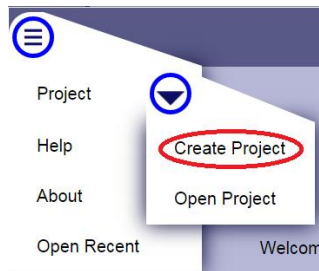
3 Projects

The following chapters describe the project administration: how to create, rename, open and close a project.

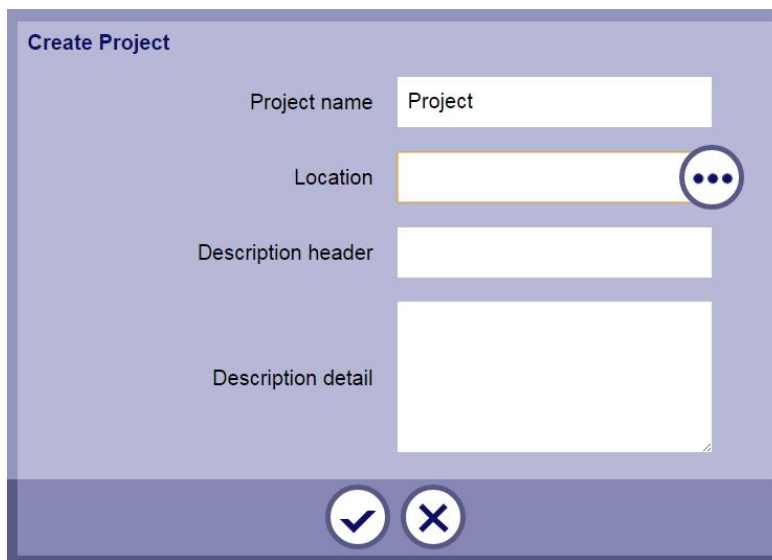
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3.1 Creating Projects



- In the main menu, select *Project* -> *Create project*

A screenshot of the 'Create Project' dialog box. It has a light purple background. The title is 'Create Project'. There are four input fields: 'Project name' (containing 'Project'), 'Location' (with a dropdown arrow icon), 'Description header', and 'Description detail' (a larger text area). At the bottom, there are two circular buttons: a checkmark and an 'X'.

- Enter a *Project name*

The project name must contain at least one character (maximum length is 100 characters)

It is strongly recommended to use a unique project name.

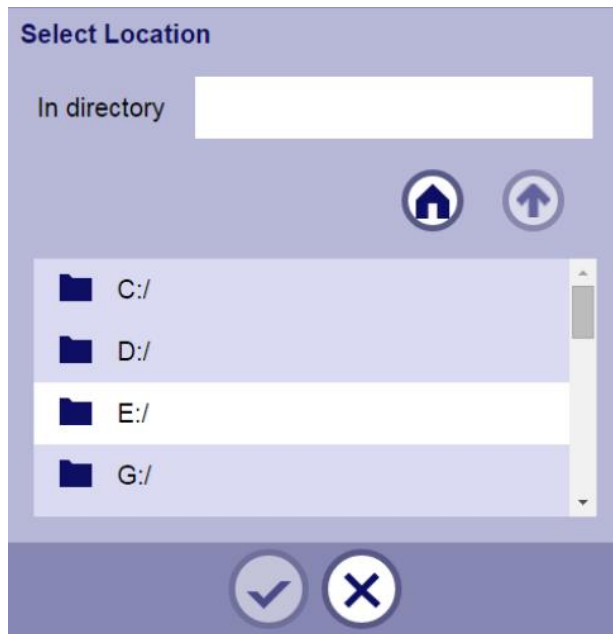
- Define the *Location* of your project

A default location is displayed, if you create the first project after installation of Device Manager.

If you have already created a project before the *location* path is displayed (the current path is stored in the user settings).



- Press the button to select the location path on your own.



The input field is marked pink if the location does not exist or if you don't have access rights on the file-system selected.



A corresponding error message will appear.

The selected location path will be offered for subsequent projects to be created.

Navigation:



Home button: display the root level of the file system



Up button: display of the parent directory

- Press *OK*
- Enter the *description header* (max. 100 characters)
- Enter *description details* of your project (max. 10.000 characters)
- Press *OK*
Note that changes are not yet saved

The new project will be opened automatically. You can see the active tab of your new project in the tab area.



Save button

- Press *Save*

Now you have the possibility to

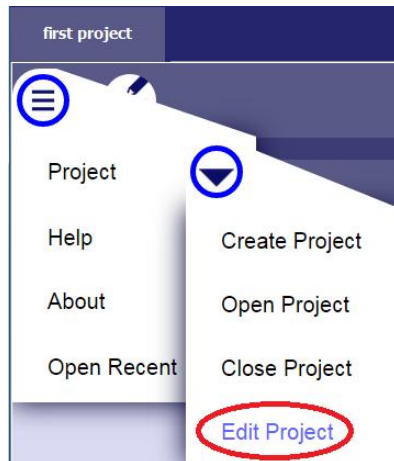
- [Create a folder](#)
- [Create a device](#)

Note: Project name, description header and description details can be modified at any time thereafter, refer to 3.2 Renaming Projects

3.2 Renaming Projects

If you want to edit project properties, you have to open the project before.

- In the main menu, select *Project -> Edit Project*



You can modify:

- Project name
- Description header
- Description detail

You cannot modify the location path of your project.

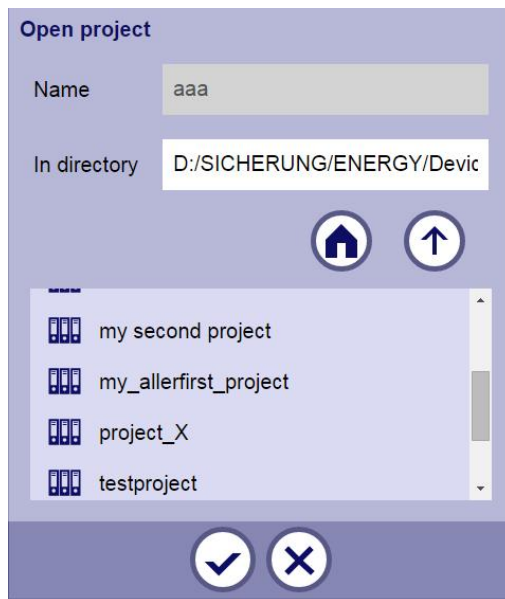
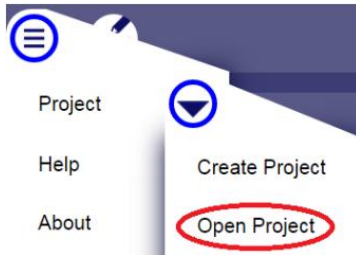
Note: It is not possible to edit properties of a project

- that is in the state <read only>
 - which has been opened by another instance of SICAM Device Manager
- Refer also to restrictions, chapter 3.5 Hints regarding working with Projects.

3.3 Opening a project

If you have already opened a project and you did not make any modifications the currently open project will be closed.

- In the main menu, select *Project* -> *Open project*



- In the *directory* field, select the location of an existing project

You may use the navigation buttons:



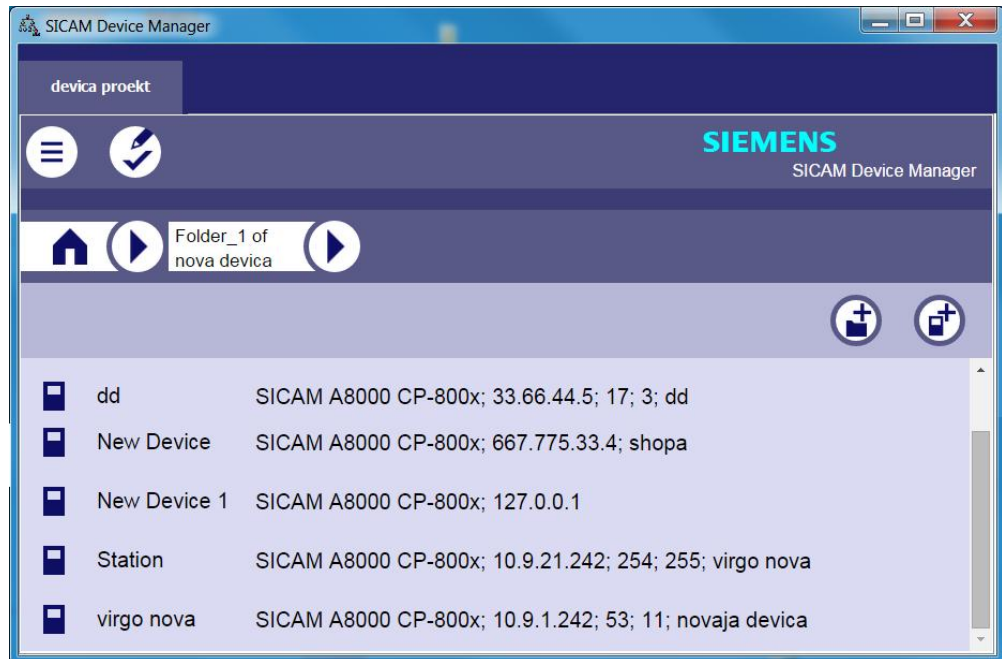
Home button: display the root level of the file system



Up button: display of the parent directory

- Select the project
The project name is then displayed in the *name* field
- Press *OK*

All existing folders and devices of the project are displayed in the working area, example:



If there are neither folders nor devices in your project you have the possibility to

- [Create a folder](#)
- [Create a device](#)

3.3.1 Opening a recently opened Project

- In the main menu, select Recent Projects

Choose one of the recently opened projects

The submenu contains a maximum number of 10 projects recently opened.

3.3.2 Opening a Project <read only>

Precondition:

SICAM Device Manger started, a project is open. SICAM Device Manger started a second time (second instance). Then the user of the second instance wants to open the same project (of the first instance)

All project data for the second instance are in the state <read only>, and a corresponding information is displayed:



Hint:

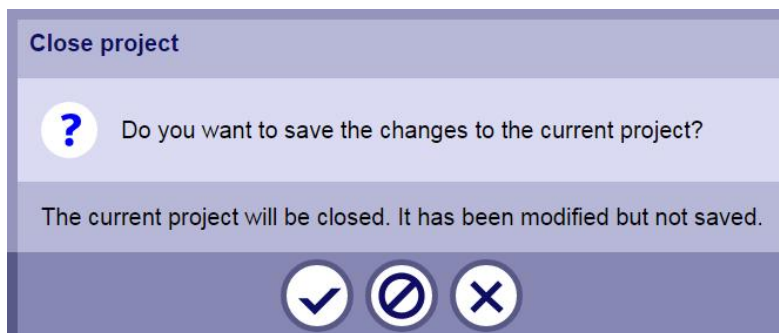
Even if a project is in the state <read only> any modifications of devices are possible as long as they have not been opened by another SICAM Device Manager instance.

3.4 Closing Projects

- In the main menu, select *Project -> Close project*

In case of unsaved data you will be prompted to

- save data and close the project: press OK
- discard all unsaved changes and close project: press *No*
- abort the *close* action (the currently open project remains open)
press *Abort*



3.5 Hints regarding working with Projects

Restrictions:

It is not possible to work with two projects in parallel.

Scenario 1:

A project is already open and you want to open/create another project:

If you made any modifications in your open project corresponding SICAM Device Manager dialog appears, and you have three options:

- close the current project (including saving any modifications) and continue opening/creating another project
- close the current project (without saving any modifications) and continue opening/creating another project
- cancel (the currently open project remains open), opening/creating another project is aborted

For closing a project containing unsaved data, refer to 3.4 Closing Project

Scenario 2:

There are two Device Manager instances. Both instances have opened the same project.

There is no way for the second instance of making any changes or modifying any project data (e.g.: editing names, inserting new device, deleting device, ...)

All project data for the second instance are in the state <read only>, refer to 3.6.3 Deleting folders.

3.6 Folders

The following chapters describe the folder administration: how to create, rename, move and delete folders of a project.

Precondition for working with folders: a project - not in the state <read only> - is open.

A folder may contain another subfolders (up to ten hierarchy levels) and devices.

Folder names must contain at least one character (maximum length is 100 characters).

Folder names may contain alphanumeric characters, both upper- and lower case characters, as well as special characters.

For selecting a folder, refer to [Working area: how to select a folder](#)

3.6.1 Creating folders



Add folder button in the local toolbar

- Press the *Add folder* button
- Enter the *folder name*

It is not possible to create more than one folder with the same name, otherwise a corresponding message will appear

Make sure that you use a unique folder name within the current directory (or project root).

- Press *OK*

The new folder with the given name is displayed in the working area.

3.6.1.1 Creating subfolders

- Open a folder



Add folder button in the local toolbar

- Press the *Add folder* button
- Enter the folder name

It is not possible to create more than one folder with the same name, otherwise a corresponding message will appear

Make sure that you use a unique folder name within the current directory (project root).

- Press *OK*

The new subfolder with the given name is displayed in the working area.

3.6.2 Renaming folders

- Select a folder



Edit folder button (= rename folder)

- Press the *Edit folder* button
- Enter the folder name

It is not possible to create more than one folder with the same name, otherwise a corresponding message will appear
Make sure that you use a unique folder name within the current directory (project root).

- Press *OK*

The folder with the given name is displayed in the working area.

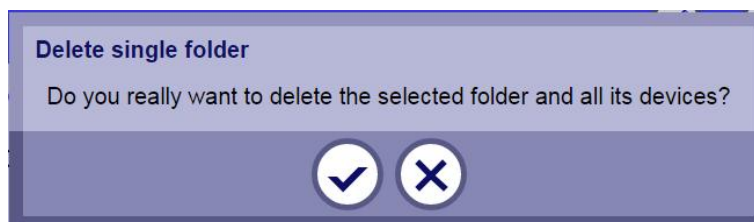
3.6.3 Deleting folders

- Select one or more folders



Delete folder button (deletes the selected folder incl. all sub-folders and devices)

- Press the *Delete folder* button



- Confirm with *OK*

Note that all devices and subfolders containing devices within this folder will be also deleted.

It is not possible to delete a folder that is in the state <read only> (which has been previously opened by another instance of SICAM Device Manager).

Restrictions:

The same restrictions for [Deleting Devices](#) apply.

3.6.4 Moving folders

How to move folders (within one project) using the *cut* and *paste* buttons:



Cut button: Cuts the selected objects and inserts them into the clipboard.

- Select one or more folders or subfolders of your project
- Press *cut* button

All selected folders are not visible any more



Paste button: inserts all objects from the clipboard to the selected position

- Navigate to any other folder or subfolder (or project root) of your project
- Press the *paste* button

After the paste procedure the *paste* button is hidden.

All folders containing subfolders and devices (if there are any) are displayed now.

4 Devices

The following chapters describe

- Device administration: how to create, rename, move and delete devices of a project.
- Device specific actions, e.g.: importing (restoring) device and exporting devices (device backup).

Precondition for working with devices: a project - not in the state <read only> - is open.

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4.1 Creating Devices

You can create devices in the project root or in any folders or subfolders.

Note that a device name has to be unique within the scope of a project.

When pressing the OK button input fields will change colour if you have entered invalid data (e.g.: not unique). The dialogue remains opened and you have to enter valid data in the coloured fields. In some cases a corresponding detailed error message will appear.

- Select a folder or the project root (wherever you want to create the new device)



Add device button in the local toolbar

- Press the *Add device* button
- Enter *device name*
Make sure that you use a unique device name within your project.
- In the drop down list, select a device type
 - SICAM A8000 CP-800x
 - SICAM A8000 CP-802x
- Enter *IP address*
Make sure that you use a valid and unique IP address
- Enter *region number* (optional, you can leave the field blank)
Make sure that you use a unique region number. "255" is allowed for more than one device within the project.
- Enter *component number* (optional, you can leave the field blank)
Make sure that you use a unique component number. "255" is allowed for more than one device within the project.
- Enter a *description*
- Press *OK*

The new device with the given name is displayed in the working area.

4.2 Renaming Devices

- Select any device in your project



Edit device button in the action bar

- Press edit device

You can edit any data in the following fields:

- Device name
- Device type
- IP address
- Region number
- Component number
- Description
- Press *OK*

The device with the given name is displayed in the working area.

4.3 Deleting Devices

- Select any device in your project



Delete device button in the action bar

- Press *delete device* button
Note that no confirmation prompt is displayed and all selected devices are not visible any more.
- Press *OK*

Restrictions:

Devices in use cannot be deleted. “Devices in use” means the following:

There are two SICAM Device Manager instances open. If you are the user of a second user instance of the SICAM Device Manager:

There is no way for the second user instance of deleting a device, even if you closed all device tabs. Respective input fields are read only, respective buttons do not exist, refer also to chapter 3.3.2 Opening a Project *<read only>*.

If the first user instance has already deleted a device (the second user instance will never be notified) this device is displayed in the second user instance. That means: you as the second user instance can see the device in your working area, but you can't work with it. Only after reopening the project all changes made by another instance are visible.

4.4 Moving Devices

How to move devices (within one project) using the *cut* and *paste* buttons:



Cut button: Cuts the selected objects and inserts them into the clipboard.

- Select one or more devices of your project
- Press *cut* button
Note that no confirmation prompt is displayed and all selected devices are not visible any more.



Paste button: inserts all objects from the clipboard to the selected position

- Navigate to any other folder or subfolder (or project root) of your project
- Press the *paste* button

After the paste procedure the *paste* button is hidden.

All moved devices are displayed now.



Hint:

All devices in the clipboard will be deleted if you first press *cut* button and afterwards the *save* button (instead of *paste* button)

4.5 Device Backup

The following sections describe how to Import device data from backup and how to export device data to backup.

4.5.1 Exporting Device

This function gives you the possibility of backing up all settings and parameterizations of the device.

- Select a device



Device Context Menu

- Press Device Context Menu button
- In the context menu, select *Export data to backup*



- Enter the *name* of the *.csv-file
- In the *directory* field, select the location for your *.csv-file
- Press *OK*

4.5.2 Importing Device

This function gives you the possibility of restoring and loading all previously backed up settings and parameterizations into the device.

This function gives you the possibility of backing up all settings and parameterizations of the device.

- Select a device



Device Context Menu

- Press Device Context Menu button
- In the context menu, select *Import data from backup*



- Enter the name of the *.csv-file
- In the directory field, select the location for your *.csv-file
- Press OK

4.6 Multiplying devices

Restrictions:

The same restrictions for [Deleting Devices](#) apply.

There are two possibilities regarding multiplying devices:

- Editing a device table on the GUI of the SICAM Device Manager
- Exporting and importing device tables

Both possibilities are described below.

- Select a device



Device Context Menu

- Press Device Context Menu button
- In the context menu, select *Multiply*

Step 1: Define devices dialog:

- Enter *name of the new device*
Make sure that you use a unique device name within your project.
- Enter *IP address*
Make sure that you use a valid and unique IP address
- Enter *region number* (optional, you can leave the field blank)
Make sure that you use a unique region number. "255" is allowed for more than one device within the project.
- Enter *component number* (optional, you can leave the field blank)
Make sure that you use a unique component number. "255" is allowed for more than one device within the project.
- Enter a *description*

Input fields will change colour if you have entered invalid data (e.g.: not unique). The dialogue remains opened and you have to enter valid data in the coloured fields. In some cases a corresponding detailed error message will appear.

You can multiply a single device up to 100 times.

- Press OK

Step 2: Multiplying device dialog:

In the *Multiplying device* dialog a table is displayed with an overview of all your multiplied devices.

State successful:

Multiplying device progress	
Device name	State
devica novaja	 Successful
detto	 Successful

- Press OK

4.6.1 Exporting Device Tables



Export to csv button

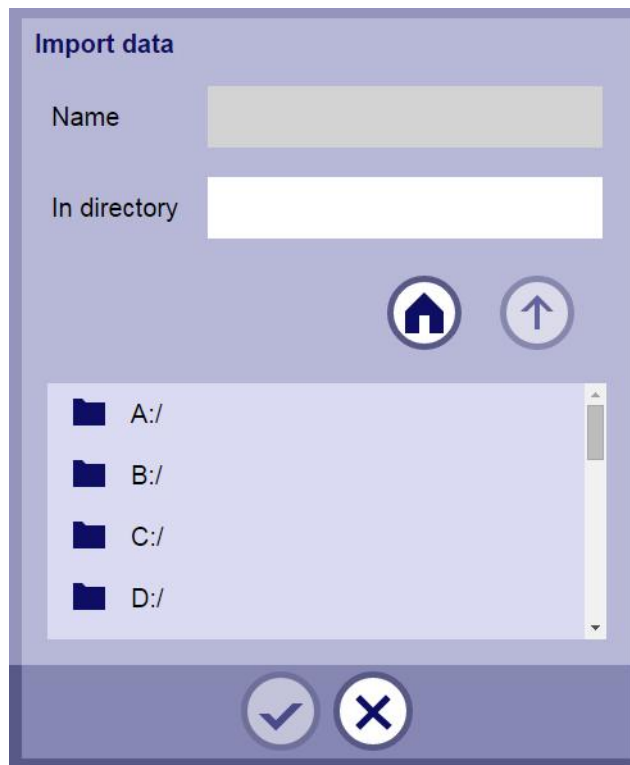
- In the *Multiply device* dialog, press *Export to CSV*, if you want export the content of the current table into a *.csv file.



- Enter the *name* of the *.csv-file
- In the *directory* field, select the location for your *.csv-file
- Press *OK*

4.6.2 Importing Device Tables

- In the Multiply device dialog, press Import from CSV, if you want import the content of a *.csv file into the current table.



- Enter the *name* of the *.csv-file
- In the *directory* field, select the location for your *.csv-file
- Press *OK*

How to import a device list from customer:

- Export an empty csv-file to get the necessary table structure (required by the application)
- Enter customer data into the csv-file
- import the csv-file

4.7 Connecting to a Device via SICAM WEB

There are three possibilities to connect to a device:

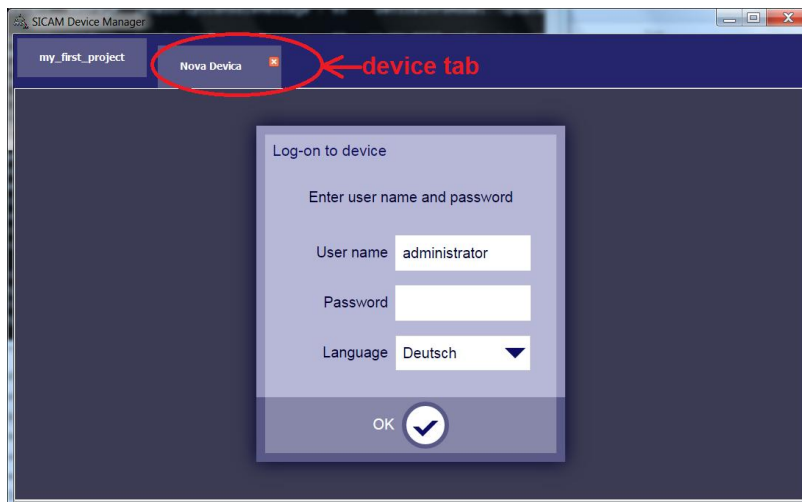
- In the working area, select a device



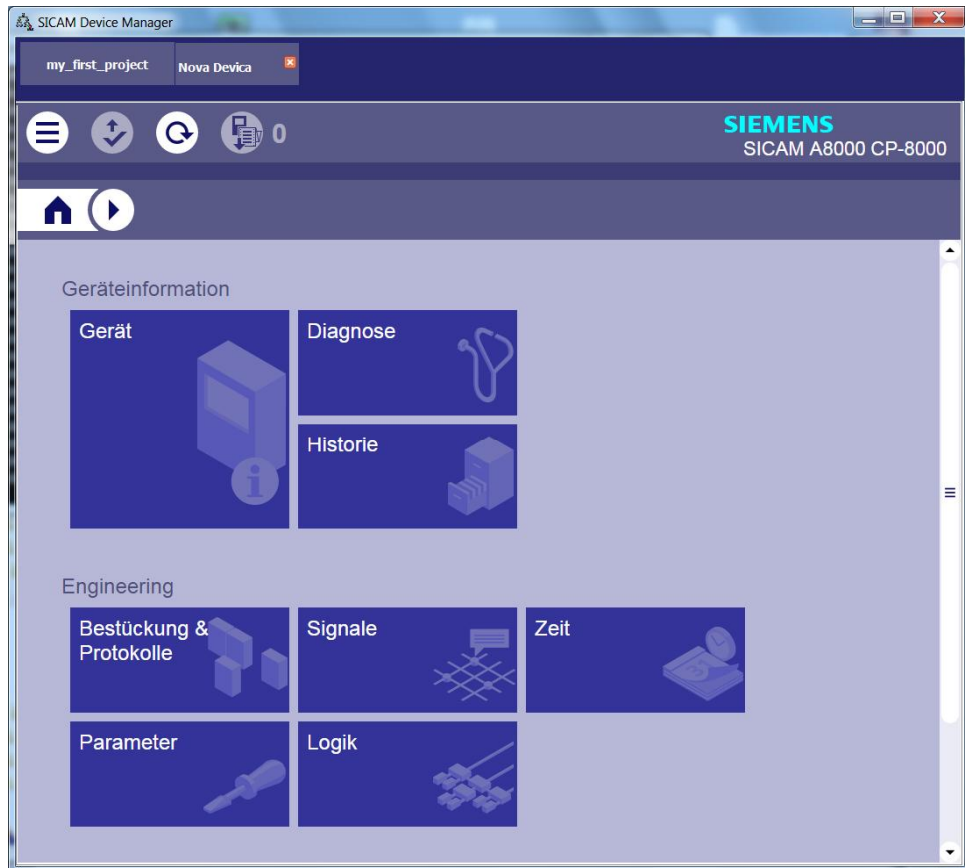
Connect button

- Press *Connect* button (in the action bar)
- For further possibilities to connect to a device, refer also to [Working area](#), *Device* button.

A new tab with a running SICAM WEB session for this device is activated:



For logon to the device, refer to [SICAM RTUs](#), [SICAM CMIC](#), [User Manual](#).



Example for a running SICAM WEB connection inside the SICAM Device Manager

4.8 Hints regarding working with Devices

Restrictions regarding device administration:

Two Device Manager instances exist and each of them has opened the same device (active tab).

There is no way for the second instance of making any changes or modifying any device related data, e.g.: editing, moving, deleting device.

All project data for the second instance are in the state <read only>.

For selecting a device, refer to [Working area: how to select a device](#)

