ACFA Intellect

Siemens Cerberus ECO Integration Module Settings Guide

List of terms used in Siemens Cerberus ECO Integration Module Settings Guide

Server – a computer with the *ACFA Intellect* **Server** configuration installed.

Introduction into Siemens Cerberus ECO Integration Module Settings Guide

On the page:

Purpose of the document

The *Siemens Cerberus ECO integration module settings guide* is a reference manual designed for *Siemens Cerberus ECO* M odule configuration technicians and operators. This module functions as part of fire and security alarm system which has been built on the *ACFA Intellect* Software System.

This Guide presents the following materials:

1. general information about the *Siemens Cerberus ECO* module;
2. *Siemens Cerberus ECO* module settings;
3. working with the *Siemens Cerberus ECO* module.

General information about the Siemens Cerberus ECO integration module

The *Siemens Cerberus ECO* integration module is part of the *FSA* system built on the basis of the *ACFA Intellect* Software System. It is designed to control and manage devices of the *Siemens Cerberus ECO* FSA. Configuring devices of the *Sieme ns Cerberus ECO* FSA in the *ACFA Intellect* software package is impossible.

Before start the working of the *Siemens Cerberus ECO* integration module install hardware on the secured object and configure the system in the vendor software.

Note.
Detailed information about the *Siemens Cerberus ECO* can be found in the official documentation (manufacturer "Siemens").

Supported hardware and licensing of the Siemens Cerberus Eco integration module

Manufacturer	Siemens SbT129085, Moscow, Bochkova str., bld. 8 Tel.: +7 (495) 796-92-10 http://www.nelt.ru/
Integration type	Low-level protocol
Equipment connection	RS-232

Supported equipment

Equipment	Function	Features
Cerberus ECO FC1840-A3	Security panel	Max. number of reports in log: 10000 Auto disabling of LCD backlight 2 embedded programmed input/output 1 embedded output of NAC notification for notification devices Connection of up to 504 address devices

FDO181	Smoke detector	2 levels of sensitivity Embedded indicator with 360 degrees angle of view Protocol of data exchange FD18-BUS
FDCI181	Heat detector	2 working modes: A2S/A2R Embedded indicator with 360 degrees angle of view Protocol of data exchange FD18-BUS
FDCI181-2	Input module	2 digital inputs Analysis of signal using micro-processor Auto addressing without using address device or DIP-switch Protocol of data exchange FD18-BUS Displaying of input and output signal state on the LED indicator
FDCIO181-2	Input/Output module	2 controlled inputs, 2 output with possibility to control executable circuit Analysis of signal using micro-processor Auto addressing without using address device or DIP-switch Protocol of data exchange FD18-BUS Displaying of input and output signal state on the LED indicator
FDCL181	Line isolator	Protection of FD18-BUS bus in case of short circuit LED indicator to display state Auto addressing without using address device or DIP-switch Protocol of data exchange FD18-BUS

Protection
Parent object.

Configuration of the Siemens Cerberus ECO integration module

Configuration procedure for the Siemens Cerberus ECO integration module

The *Siemens Cerberus ECO* integration module is configured as follows:

1. Configure the *Siemens Cerberus ECO* system in the vendor software.
2. Configure the connection of the *Siemens Cerberus ECO* system to the *ACFA Intellect* software package.

Configuring of Siemens Cerberus ECO system in the vendor software

For working with the *Siemens Cerberus ECO* system in the *ACFA Intellect* software package it's required to configure it in the vendor software.

The *Siemens Cerberus ECO FXS1800* software is provided with devices.

Siemens Cerberus ECO system is configured as follows:

1. Login to *Siemens Cerberus ECO* controller (password is **4321**) and switch to **Control panel** - > **Configuring** mode .
2. Connect the *Siemens Cerberus ECO* devices to the Server.
3. Run the *Siemens Cerberus ECO FXS1800* software (password **4321**), create a project and configure a system using official documentation.
4. Configure a port: type – **FMS**, baudrate – **115200**. These parameters are specified in properties of the **External device** object based in the tree of the *Siemens Cerberus ECO FXS1800* software: **Physical tree** -> **External port** -> **External device**.
5. Send configuration to controller and save a project.
6. Rename a project to the **cerberus_n.fxc,** where **n** – id of the *Siemens Cerberus ECO* in the *ACFA Intellect* software .
7. Place the **cerberus_n.fxc** project file to the <*Intellect software installation directory*>*Modules* folder.
8. Switch over a controller to the APM mode (**Control panel** -> **APM**) and restart it.

Note.
Switching over to the APM mode is forbidden in old versions of controller firmware. Contact the vendor to get the current version of firmware and information about its installation.

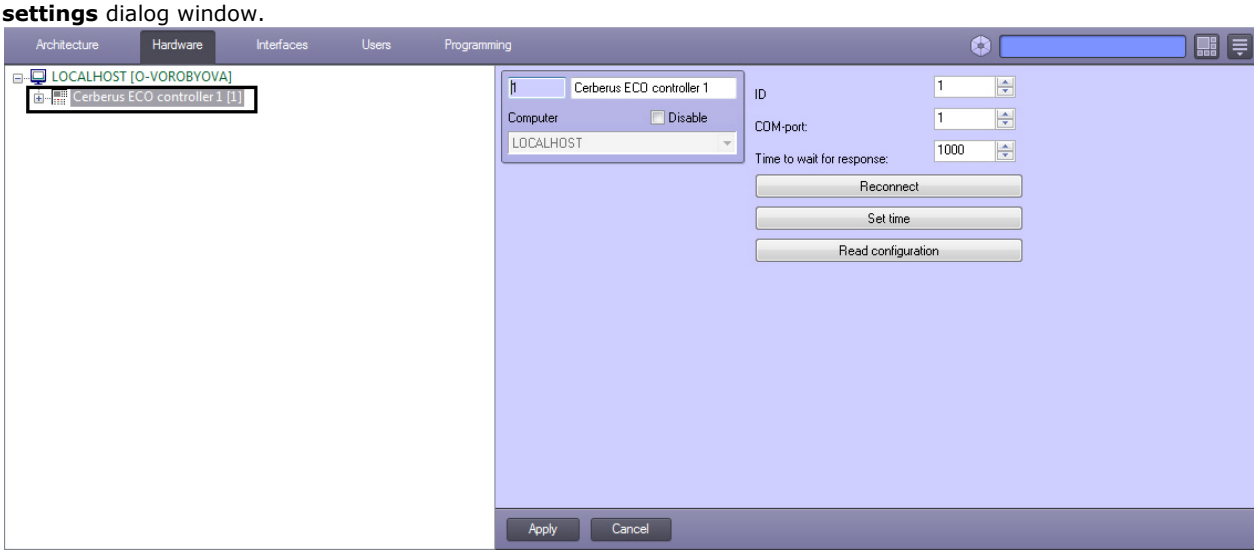
Configuring of the *Siemens Cerberus ECO* system is completed.

Configure the connection of the Siemens Cerberus ECO

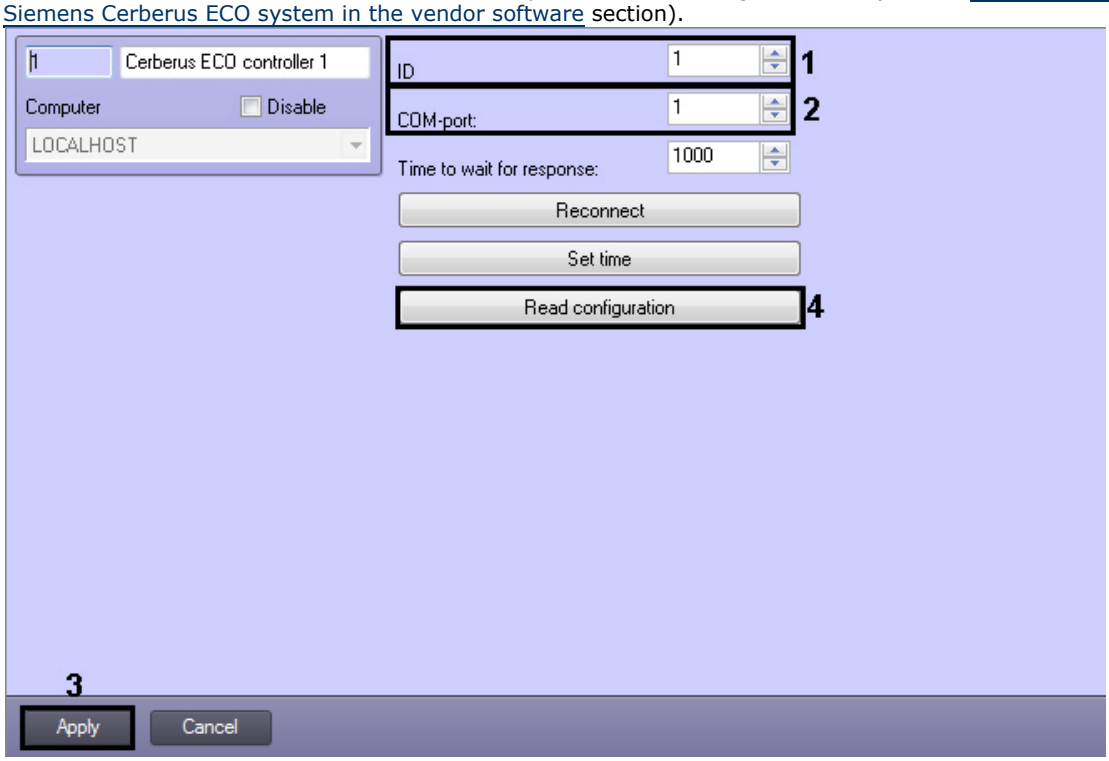
system to the ACFA Intellect software package

Siemens Cerberus ECO system is connected to the *ACFA Intellect* software package as follows:

1. Create the **Cerberus ECO controller** object based on the **Computer** object on the **Hardware** tab of the **System settings** dialog window.

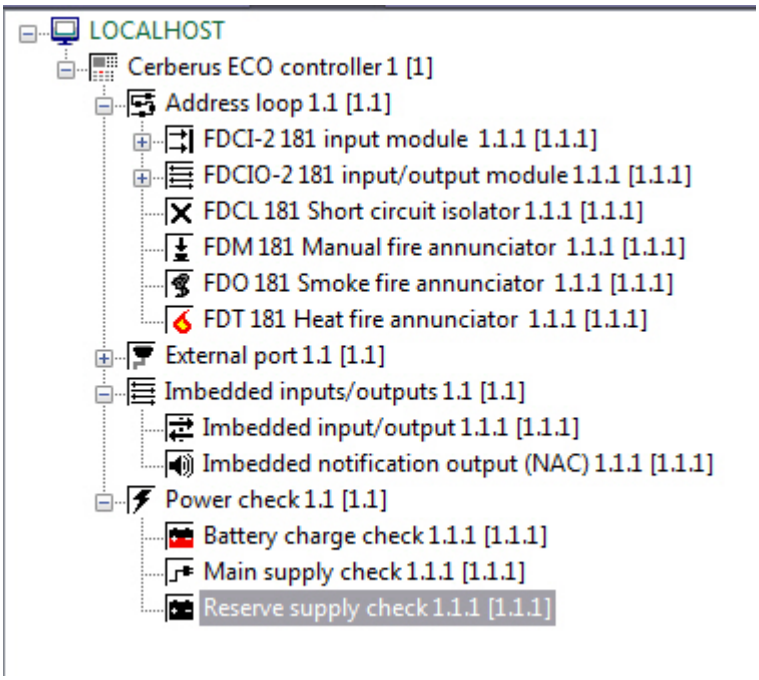


2. Specify the following parameters on the settings panel of the **Cerberus ECO controller** object:
   a. Enter the *Siemens Cerberus ECO* controller address in the **ID** field (**1**).
   Default address – 1. The same address is to be specified in the configuration file (see the Configuring of Siemens Cerberus ECO system in the vendor software section).



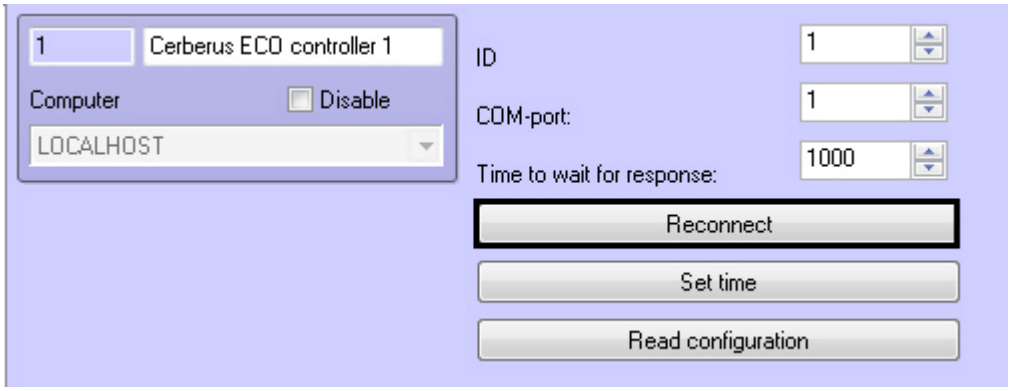
   b. Specify the COM-port of *Siemens Cerberus ECO* device connection in the corresponding field (**2**).
3. Click the **Apply** button (**3**).
4. Click the **Read configuration** button (**4**).

As a result the system configuration will be read and objects tree will be built in the *ACFA Intellect* software.



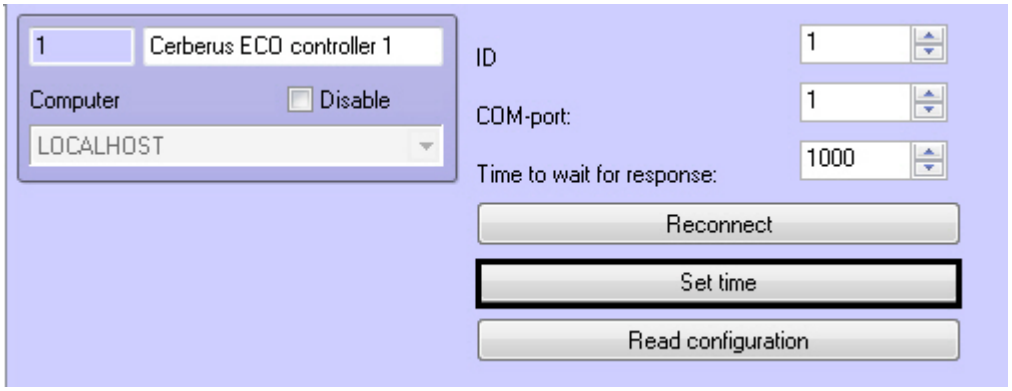
Update the state of Siemens Cerberus ECO devices

The *Siemens Cerberus ECO* controller sends states of devices in normal mode while connecting to the Server. On default it's considered that all devices are in normal state. If some device was added to configuration manually, it's state will be unknown. To know its state it's required to reconnect devices to the Server by clicking the **Reconnect** button on the settings panel of the **Cerberus ECO controller** object.



Synchronize time of Siemens Cerberus ECO controller and Server time

To synchronize time of the *Siemens Cerberus ECO* controller and Server time click the **Set time** button on the settings panel of the **Cerberus ECO controller** object.



Working with the Siemens Cerberus ECO integration module

General information about working with the Siemens Cerberus ECO integration module

The following interface objects are used for working with *Siemens Cerberus ECO* integration module:

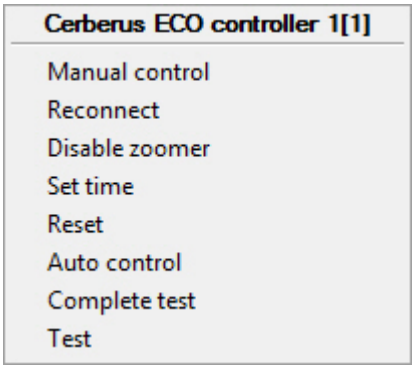
1. **Map;**
2. **Events protocol.**

Information about **Map** and **Events protocol** interface objects' configuration is given in the Intellect Software Package: Administrator's Guide.

Working with these interface objects is given in details in Intellect Software Package: Operator's Guide.

Controlling the Siemens Cerberus ECO controller

Controlling *the Siemens Cerberus ECO* controller is carried out in the **Map** interactive window using functional menu of the **Cerberus ECO controller** object.



Available commands in the context menu are described in the table.

Command	Description
Manual control	Enables manual control of outputs. Logic of working is not used, only manual activation is possible
Reconnect	Updates devices state
Disable zoomer	Disables zoomer of panel
Set time	Synchronizes time of controller and Server
Reset	Returns system to the duty state, reset of some event
Auto control	Enables automative control of outputs
Complete test	Completes checking of working capacity
Test	Enables checking of working capacity for all devices

Controlling the Siemens Cerberus ECO devices

Controlling *the Siemens Cerberus ECO* devices (annunciators, inputs, outputs, loops) is carried out in the **Map** interactive window using functional menu of the corresponding object.

Available commands in the context menu are described in the table.

Command	Description
Test	Enables checking of a device working capacity
Timed test	Enables checking of a device working capacity, device will return to the duty state in time specified for test
Complete test	Completes checking of working capacity
Activate indicator	Enables imbedded device indicator
Deactivate indicator	Disables imbedded device indicator
Activate (for inputs/outputs)	Activates input/output

Deactivate (for inputs/outputs)	Deactivates input/output
Disable	Disables device
Enable	Enables device