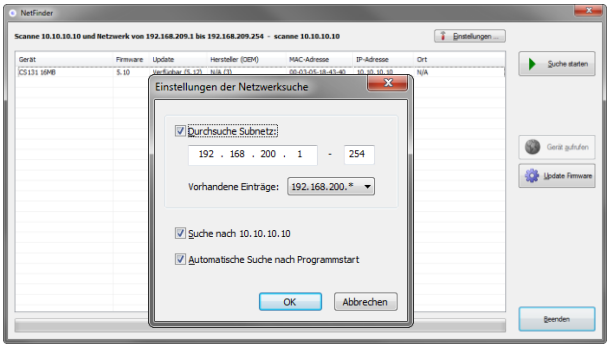
CS121 / BACS WEBMANAGER / SITEMANAGER / SITEMONITOR Flash Wizard

1. Finding devices in your network using NetFinder

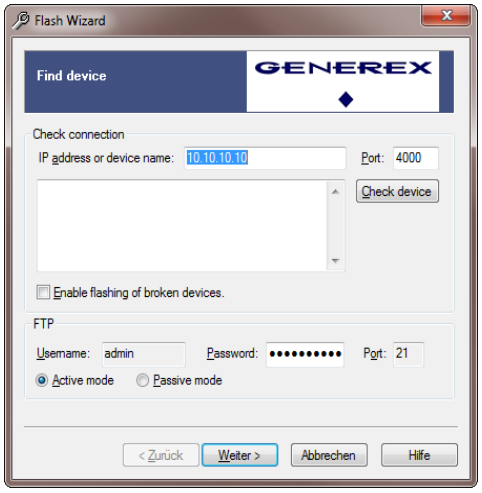
To start the program Netfinder you need the open the Setup.exe in the update directory. This tool scans all devices in a subnet. It displays the device type, installed firmware, available updates, the OEM name, the MAC address and the location of all devices. Because NetFinder displays the Mac address it is also useful for finding devices with DHCP enabled. You can conveniently update the firmware of all devices in one subnet. To scan a particular subnet for devices, select the settings button and choose the desired address range. By default NetFinder also scan the device with the IP address 10.10.10.10



2. Updating and repairing of firmware using Flash Wizard

Find device:

Enter here the IP address of the device you want to update. The default IP address 10.10.10.10 if the DIP switch 1 is in position OFF. If your device has a perconfigured IP Address than enther this address in the Flash Wizard. The Button 'Check device' is only for testing, the Flash Wizard will PING the device anyway before it continues.



The standard update port is 4000, should you chose another port, please enter the configured portnumber.
If you set the update port to 0, you have to activate the port again in the web interface or else you cannot proceed with the update.

Important: If you want to update the firmware of a device and you do not know the Password, it will fail.
By default the standard password "cs121-snmp" is set. Delete the entry at password and enter your own password before you press 'Next'.

The function "Enable flashing of broken devices" is only needed if your device is not reachable in the network or if it is damaged. If you enable this function you should first disconnect the device from the power supply (or remove it from the slot card).
After having removed the card, press "Next" and choose the correct hardware type from the drop down list. If you do not know the device type you can send us an email with the serial number of the device at support@generex.de.

Additionally you have the choice between the FTP modes 'Active mode' and 'Passive mode'.
Use the 'Active mode' if you have problems with the transfer of your old configuration.
This can happen on Windows system with an installed Internet Explorer 11.

Information about Hardware:

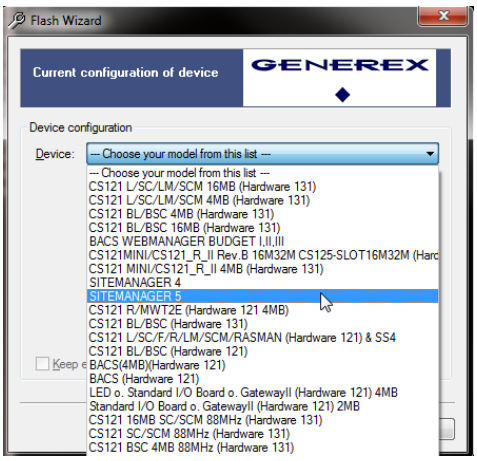
This page shows informations of your device.
Here you can see the MAC address of the device, the ROM and firmware version.

If you want to change your device configuration before the update process, click on the 'Configure the device and exit the update tool' checkbox to exit the Flash Wizard and switch to the configuration in the web browser.

Here you change the device configuration, before you restart the Flash Wizard. Please do not forget to save you configuration and to restart your adapter.

Choose Hardware:

It is necessary to choose the correct hardware model, if you want to repair the firmware on your adapter.

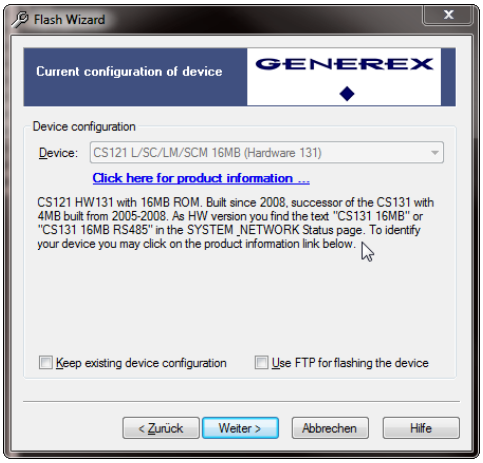


Caution! Choosing the wrong hardware model may damage your device

The hardware type can be found on the product label of the CS121.

If you are uncertain about your hardware type, please send an email request to support@generex.de and transmit the serial number of the device together with the UPS model name and UPS manufacturer.

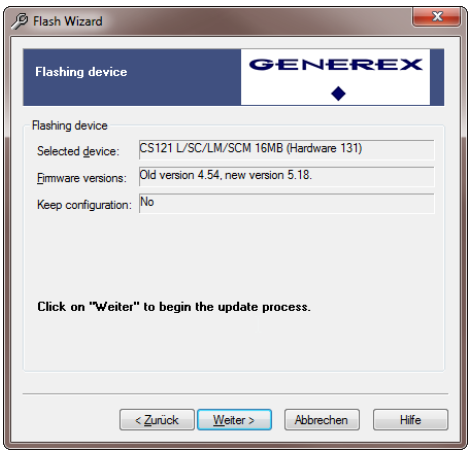
If the hardware type could be indentified by the Flash Wizard, your type will be shown and the 'Keep existing configuration' function is activated.
If the type will be shown correctly, but you still receive the message that only the standard configuration can be used, different causes are possible for this.



- The UPS model could not be found because the name of the product changed.
- The leap between the firmware versions is too big and too many major changes happened
- You downloaded the wrong fimware version.
- You have a Windows system with Internet Explorer 11 and chose the passive FTP mode.

If you enabled the 'Keep existing device configuration' function, your configuration (upsman.cfg) will be saved via FTP and transfered back to the adapter after the update process.

You can also choose FTP as the transfer protocol, the update process will be much slower, but also more reliable because contrary to Hyflash it is based on TCP. Please choose 'Use FTP for flashing the device' if you want to use the FTP protocol. We recommend the usage of FTP in very slow networks or if you have problems with Hyflash.



The next windows shows information about the update process.
Please click on 'Next' to start the update.

Do not disconnect your device from the network while updating!

The update process first changes the Boot ROM, after this the new firmware will be uploaded. This process may take up to 5 minutes. After the update you will get the information, that the update was sucessfull. You will have to wait at least 180 seconds before you establish a connection to the adapter again. You will see a countdown box. After the countdown times out, you can access the device in the web browser.

3. SNMP Management information base (MIB)

Starting with the CS121 firmware 5.31.x the following SNMP MIBs will be delivered in the subfolder "MIB"

- BACS I MIB
- BACS II MIB
- CS121 MIB
- TransferSwitch MIB (Socomec STS LTM)

Compile the desired SNMP MIB into your SNMP polling tool, to be able to poll the avaiable SNMP values.