

vicostick with UEFI

Revision 2025.01 / Version 01

Manual

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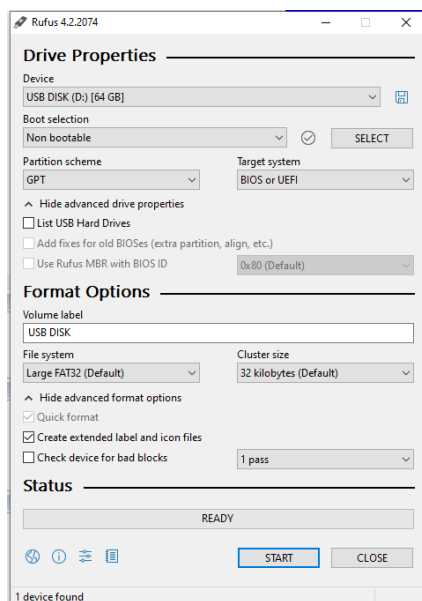
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Chapter 1 / Preparing a USB Stick

To create a vicostick (UEFI) for vicosys[®] 6100 / 6300 / 19001, you will need a standard USB stick with at least 8 GB of storage. Formatting with RUFUS ensures UEFI support, which is required by the BIOS of the vicosys 6100. Install the Rufus software, available at <https://rufus.ie/>.

Note: vicosys 6300 and 19001 also support this type, but do not require the RUFUS step. Once RUFUS is launched, select the special formatting options for the USB stick as follows:

- Partition scheme: GPT
- Target system: UEFI (no CSM)
- Boot selection: Non-bootable
- File system: FAT32



Download the file vicosys_1.0.4.zip, extract it, and copy the content of the folder vicostick 1.0.4 into the root directory of the formatted USB stick. The USB stick should then contain the following:

- vicostick.img
- EFI (directory)
- boot (directory)

You can find the required files for your specific vicosys[®] firmware version in the Downloads section on our website. Add the desired version to the stick (two files: bootzero_*.bin and vicosys-system_*.bin, where * is the version number — it must be the same in both filenames).

Before removing the USB stick, use Windows' eject function to properly finalize all write processes.

Chapter 2 / Connecting the vicosys©

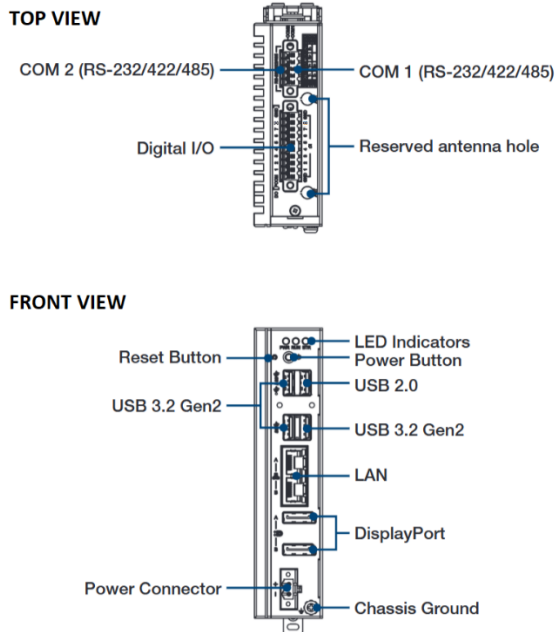


Image 1: Connections of vicosys® 6100

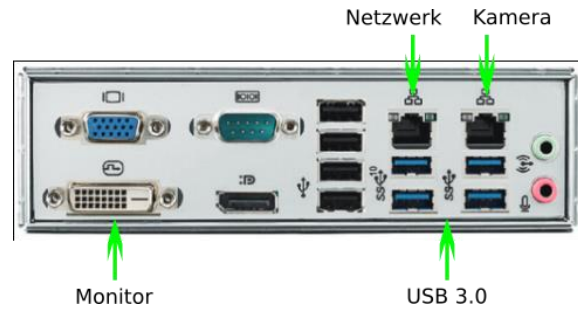


Image 2: Connections vicosys® 19001

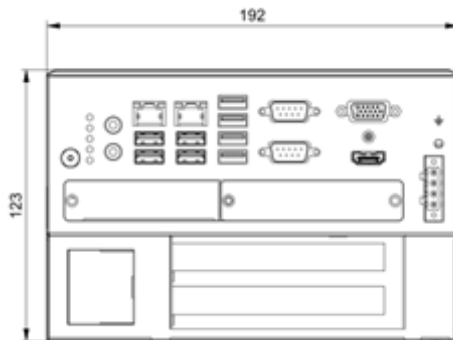


Image 3: Connections of vicosys® 6300

- Connect monitor and network cables to the designated ports.
- Connect the vicostick to a USB port.
- Connect a keyboard to another USB port.
- Connect the power supply.
- Power on the vicosys© using the power supply switch.
- For vicosys© 6100, 6300, or 19001: Immediately press “Del” to enter the BIOS.
- Under the Boot tab, go to Hard Drive BBS Priorities and set the boot stick as Boot Option #1.
- Then select Save Changes and Exit.

Chapter 3 / Using the vicostick

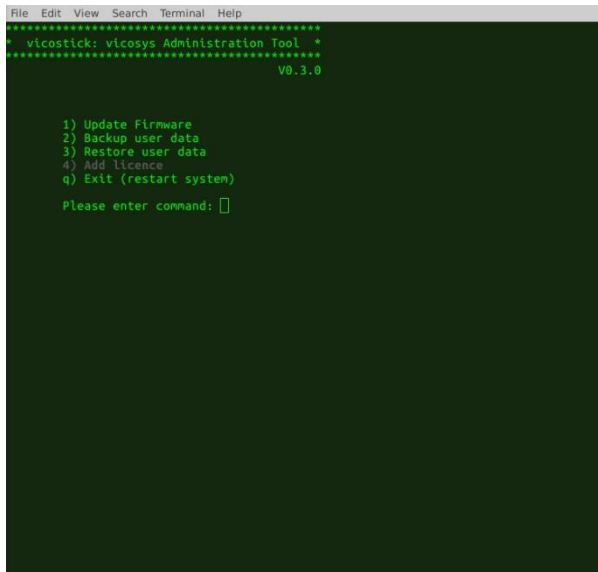


Image 4: Main Menu

The vicostick is an administrative tool used to:

- Perform vicosys© firmware updates
- Create backups of user data
- Restore previously saved user data

3.1 / Updating the vicosys© Firmware

Important: Before updating the firmware, we recommend creating a backup of your user data (see Chapter 3.2).

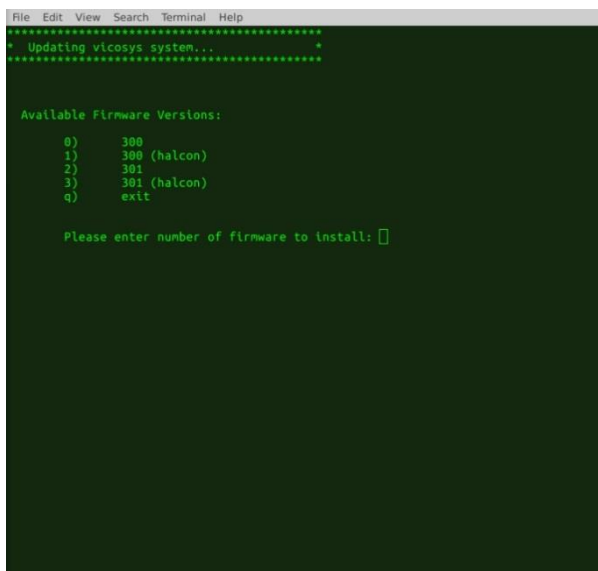


Image 3: Update Auswahl

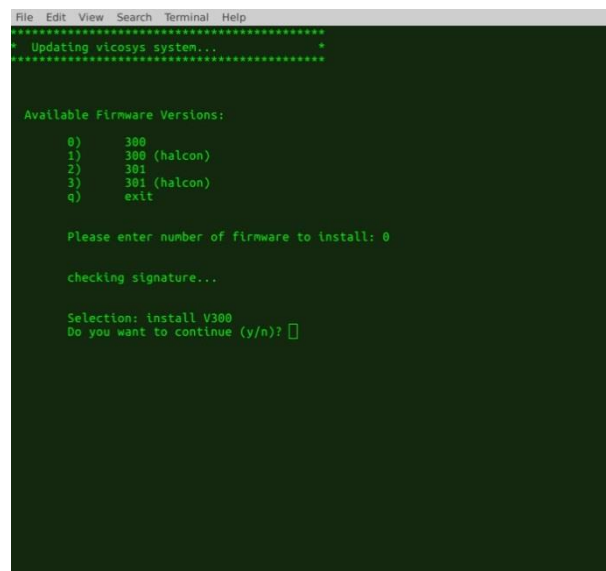


Image 6: Update Auswahl Bestätigung

Press "1" + ENTER to begin the firmware update. A list of available firmware versions on the stick will appear. Select the desired version.

You'll be asked again to confirm the update. Press "y" + ENTER to proceed.

The vicostick will now install the new firmware on the system.

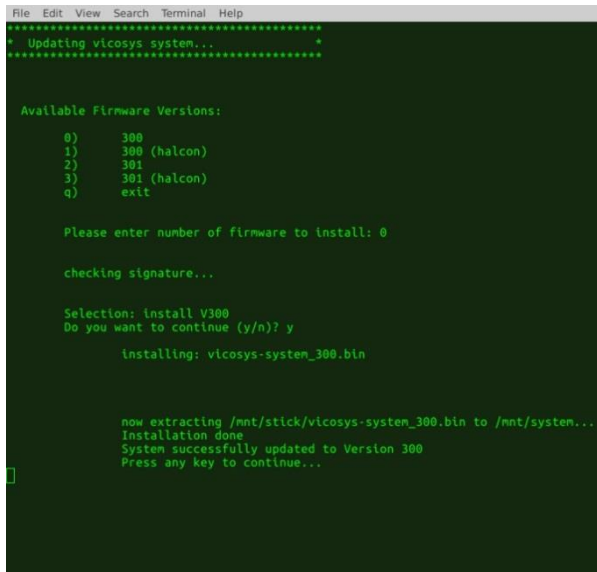


Image 7: Update successful

After completion, you'll return to the main menu.

3.2 / Backing Up User Data

Use the "Backup user data" option to save your test programs, websites, parameter sets, and other user data.

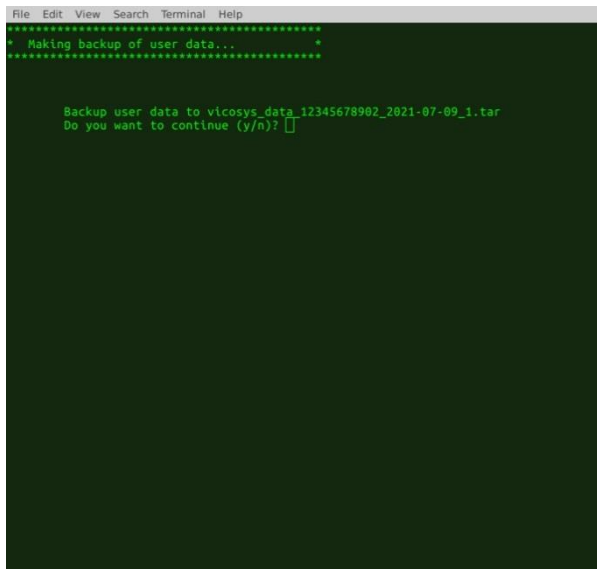


Image 8: Backup Confirmation

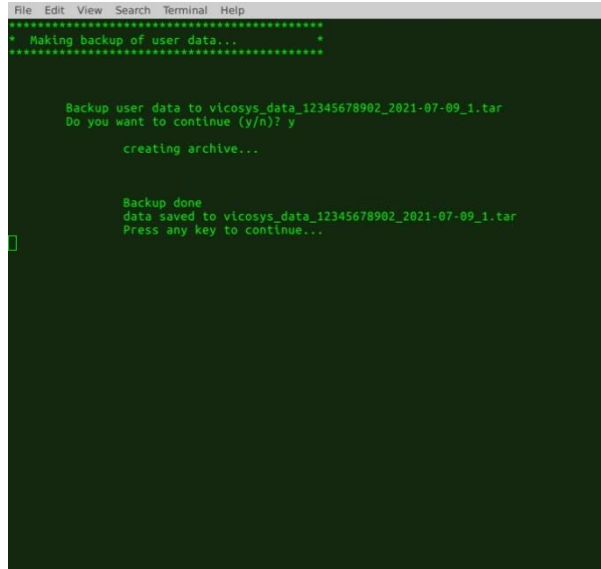


Image 9: Backup Successful

Confirm with "y" to proceed. The user data will be saved on the vicostick in a .tar file.

The filename will consist of the device's serial number along with the date and time of the backup.

3.3 / Restoring User Data

With the "Restore user data" option, you can restore previously saved user data to the vicosys.

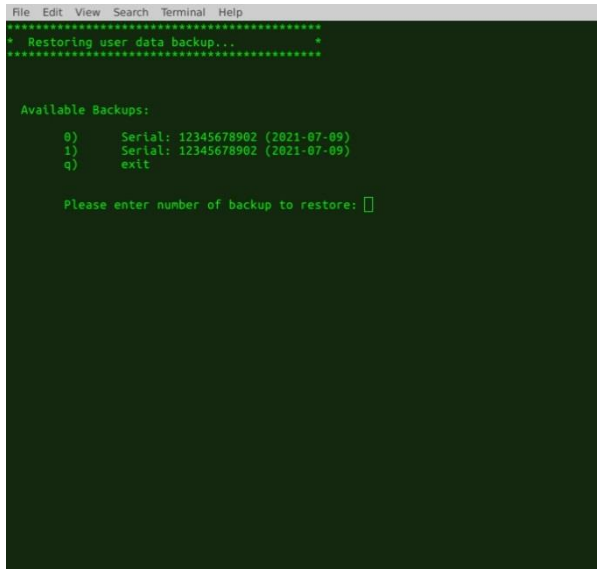


Image 10: Restore Selection

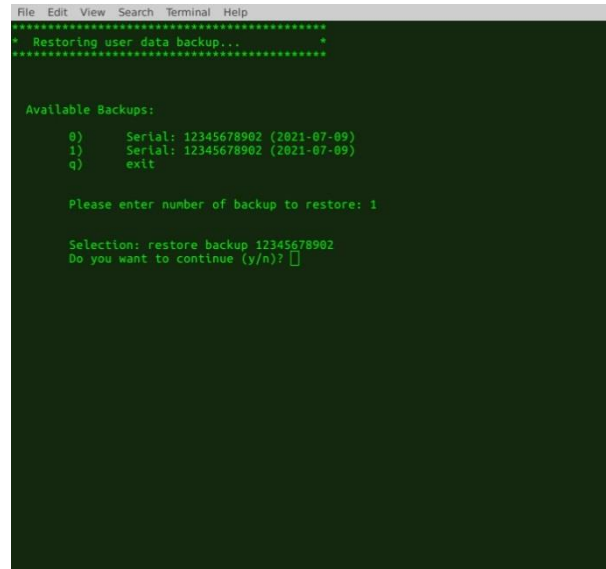


Bild 11: Restore Selection Confirmation

Choose the desired backup file from the list displayed (from those stored on the stick) and confirm with "y" to continue.

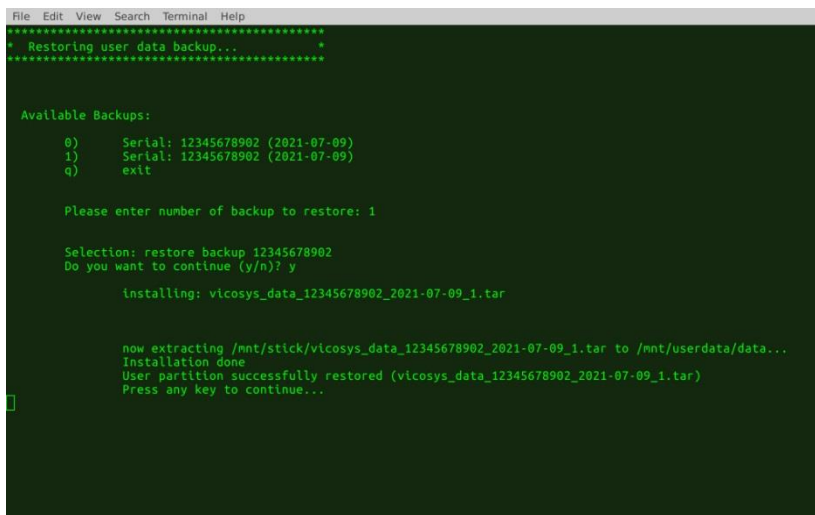


Image 12: Restore Successful

Once the restoration is complete, press any key to return to the main menu.

3.4 / Exit

After completing all desired actions, press "**q**" to exit the program and shut down the vicosys© system.

