Infineon Memtool

08/2024

The Infineon Memtool is used to programme receivers with microcontrollers from the Infineon XC16x series.
The Compact M universal programming adapter (2.250.7506) is usually used as the connection between the PC and receiver.
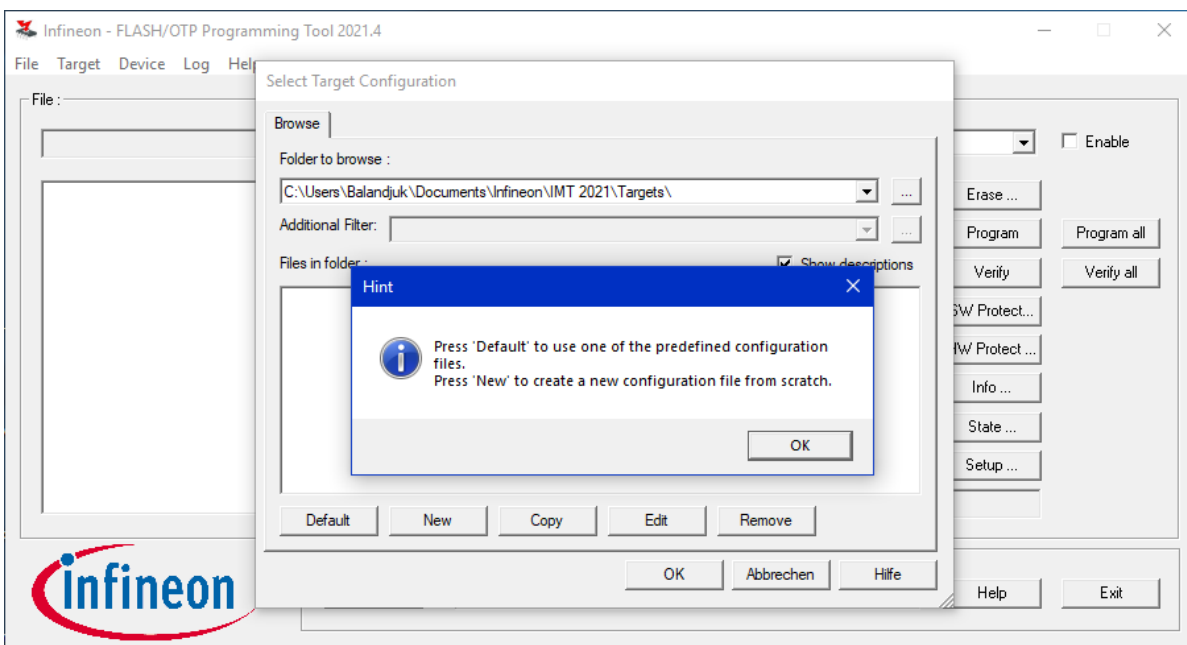
Installation

The latest version of the tool can be downloaded here:
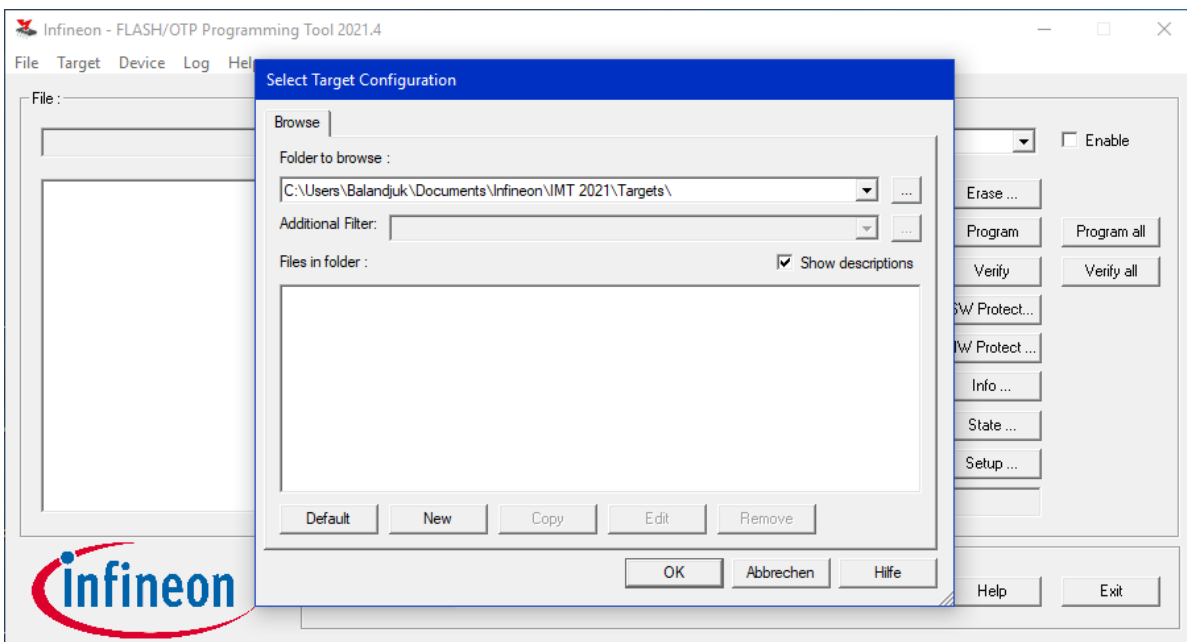https://softwaretools.infineon.com/tools/com.ifx.tb.tool.infineonmemtool
The installation programme is self-explanatory and installs the necessary drivers at the same time.
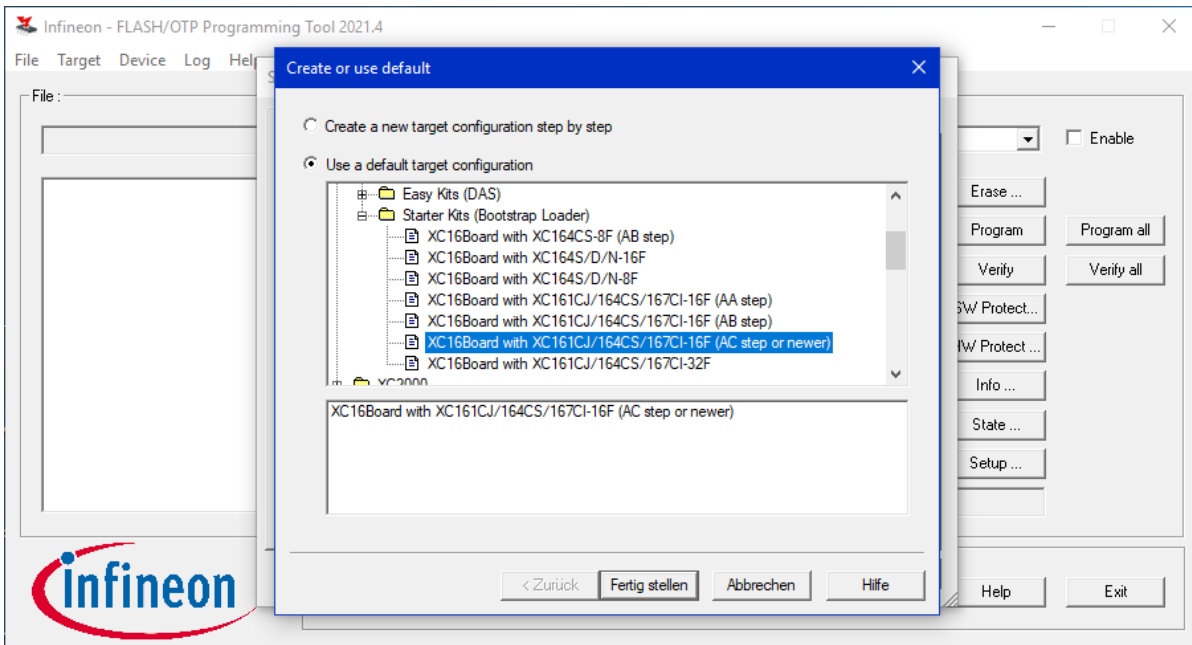
Setup

After starting the Memtool for the first time, you will be prompted to create a configuration:
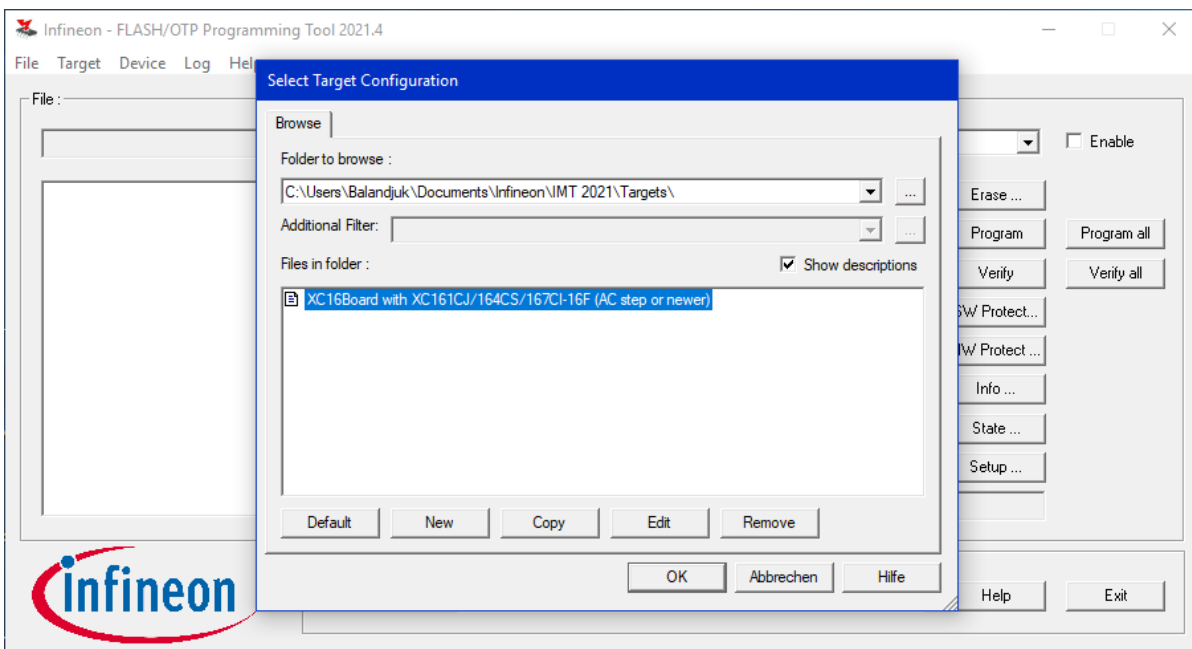

Confirm with "OK".

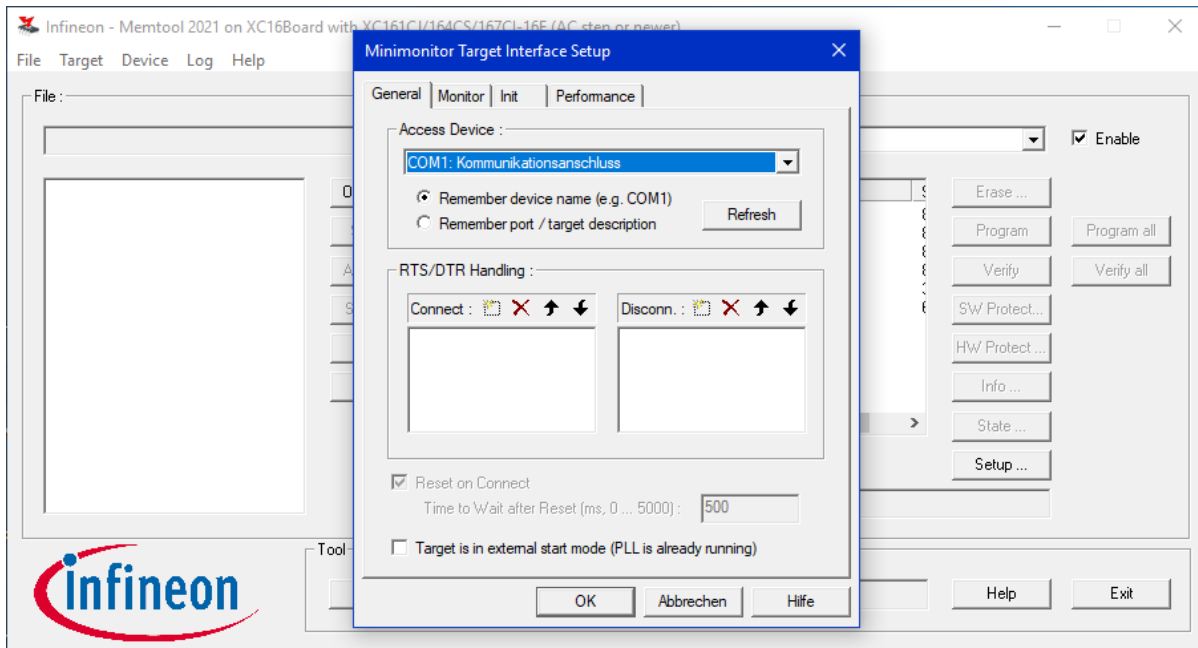Now click on the "New" button to create a new configuration.

We set the point to "Use a default target configuration" and click on the appropriate configuration: XC16x → Starter Kits (Bootstrap Loader) → XC16Board with XC161CJ/164CS/167CI-16F (AC step or newer).
Then click on "Finish". A dialogue to save the configuration appears. Confirm here with "OK".
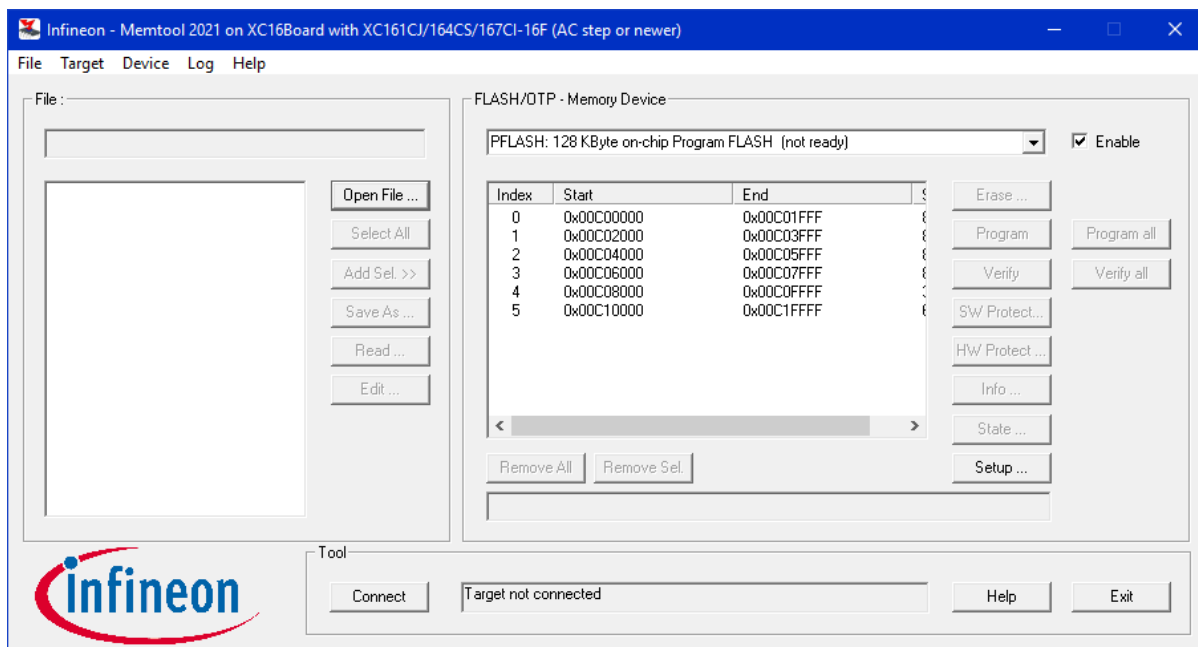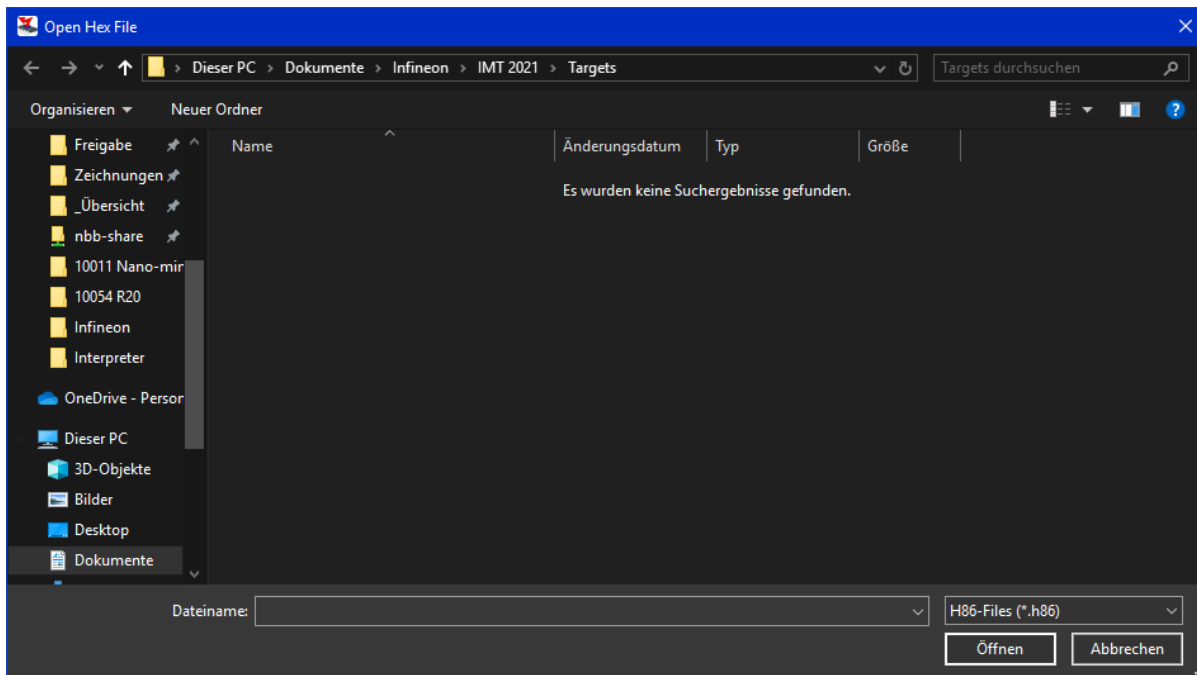

Now confirm the selected configuration with "OK".

Set COM port

The setup window can be accessed via Target → Setup. In the "General" tab, select the appropriate COM port that is connected to the Compact M universal programming adapter (2.250.7506). No settings need to be made in the other tabs. Confirm with "OK".

1. use "Open File" to select the appropriate firmware, making sure that the correct file extension .H86 has been selected
2. ensure that the toggle switches of the programming adapter "BSL" are set to ON and "SEL" to OFF
3. connect the receiver to a suitable power supply (make sure the operating voltage is correct!)
4. establish the connection to the receiver with the "Connect" button
5. now use "Select All" to mark the loaded code and "Add Sel. >>" into the right-hand area of the window
6. use the "Program" button to load the firmware onto the receiver
7. disconnect the connection to the receiver with the "Disconnect" button
8. disconnect the receiver from the power supply

! Several programmes cannot access the same COM port at the same time. Only one programme should be open at a time!