

Infineon Memtool

08/2024

Infineon Memtool



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: <u>https://softwaretools.infineon.com/tools/com.ifx.tb.tool.infineonmemtool</u> 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:

K Infineon - FLASH/OTP Programming Tool 2021.4		_		×
File Target Device Log Helf Select Target Configuration File : Browse Folder to browse : [C:\Users\Balandjuk\Documents\Infineon\IMT 2021\Targets\ Additional Filter: Files in folder : Files in folder : Hint Files. Press 'Default' to use one of the predefined files. Press 'New' to create a new configuration file	Configuration	Erase Program Verify W Protect W Protect Info State Setup	Enable Program all Verify all	
Default New Copy Edit OK	Remove Abbrechen Hilfe	Help	Exit	

Confirm with "OK".

👗 Infineon - FLASH/OTP Programm	ning Tool 2021.4	- 🗆 X
File Target Device Log Hel	Select Target Configuration	
File :	Browse Folder to browse : C:\Users\Balandjuk\Documents\Infineon\IMT 2021\Targets\ Additional Filter: Files in folder :	Erase Program Program all Verify Verify all W Protect Info State Setup
	Default New Copy Edit Remove	
Infineon	OK Abbrechen Hilfe	Help Exit

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

💑 Infineon - FLASH/OTP Programming Tool 2021.4	- 🗆 X
File Target Device Log Hell Create or use default X File Create a new target configuration step by step Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration Image: Create a new target configuration	Enable Erase Program Program all Verify Verify all W Protect W Protect Info State Setup
Cinfineon Abbrechen Hife	Help Exit

We set the point to "Use a default target configuration" and click on the appropriate configuration: $XC16x \rightarrow Starter Kits$ (Bootstrap Loader) $\rightarrow XC16Board$ with XC161CJ/164CS/167CI-16F (AC step or newer).

Then click on "Finish". A dialogue to save the configuration appears. Confirm here with "OK".

File Target Device Log Hel	Select Target Configuration		
	Browse Folder to browse : C:\Users\Balandjuk\Documents\Infineon\IMT 2021\Targets\ Additional Filter: Files in folder : Piles in folder : XC16Board with XC161CJ/164CS/167CI-16F (AC step or newer)	✓ … ✓ … ✓ Show descriptions	Enable Erase Program Program all Verify Verify all W Protect Info
infineon	Default New Copy Edit OK	Remove Abbrechen Hilfe	State Setup Help Exit

Now confirm the selected configuration with "OK".



Set COM port

👗 Infineon - Memtool 2021 on XC16Board with	XC161CI/164CS/167CL-16E (AC step or newer)	- 🗆 ×
File Target Device Log Help	Minimonitor Target Interface Setup X	
File :	General Monitor Init Performance Access Device :	▼ Enable € Program Program Program Program Verify Verify Verify Verify Verify Verify SW Protect HW Protect Info State Setup
infineon	Target is in external start mode (PLL is already running)	Help Exit

The setup window can be accessed via Target \rightarrow 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".

File Target Device Log Help	FLASH/OTP - Memory Device PFLASH: 128 KByte on-chip Program FLASH (not ready)	•	🔽 Enable
Open File Select All Add Sel. >> Save As Read Edit	Index Start End 0 0x00C00000 0x00C01FFF 1 0x00C12000 0x00C03FFF 2 0x00C04000 0x00C05FFF 3 0x00C05000 0x00C07FFF 4 0x00C08000 0x00C0FFFF 5 0x00C10000 0x00C1FFFF	Erase Program Verify SW Protect HW Protect Info	Program all Verify all
Connect	Remove All Remove Sel Target not connected	State Setup Help	Exit



- 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!