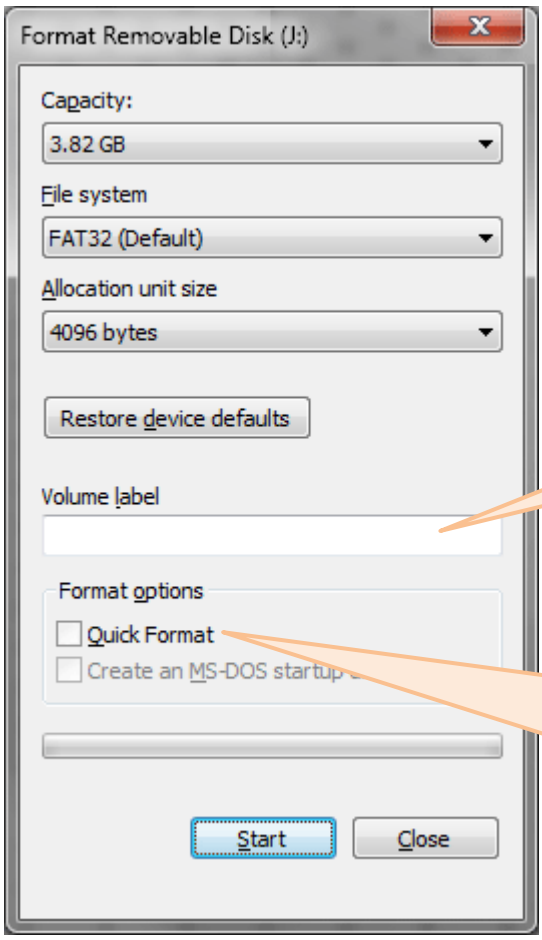
ID Access 1500, OEM-HF-R845-ET-BO
13.56 MHz read-only RFID Module
Firmware Update

1 Prepare Micro SD Card

1.1 Fully Erase Card



Use the volume label to give the Micro SD Card a desciptive name.

For safety and also to check the functionality of the Micro SD card, you can fully format it first.

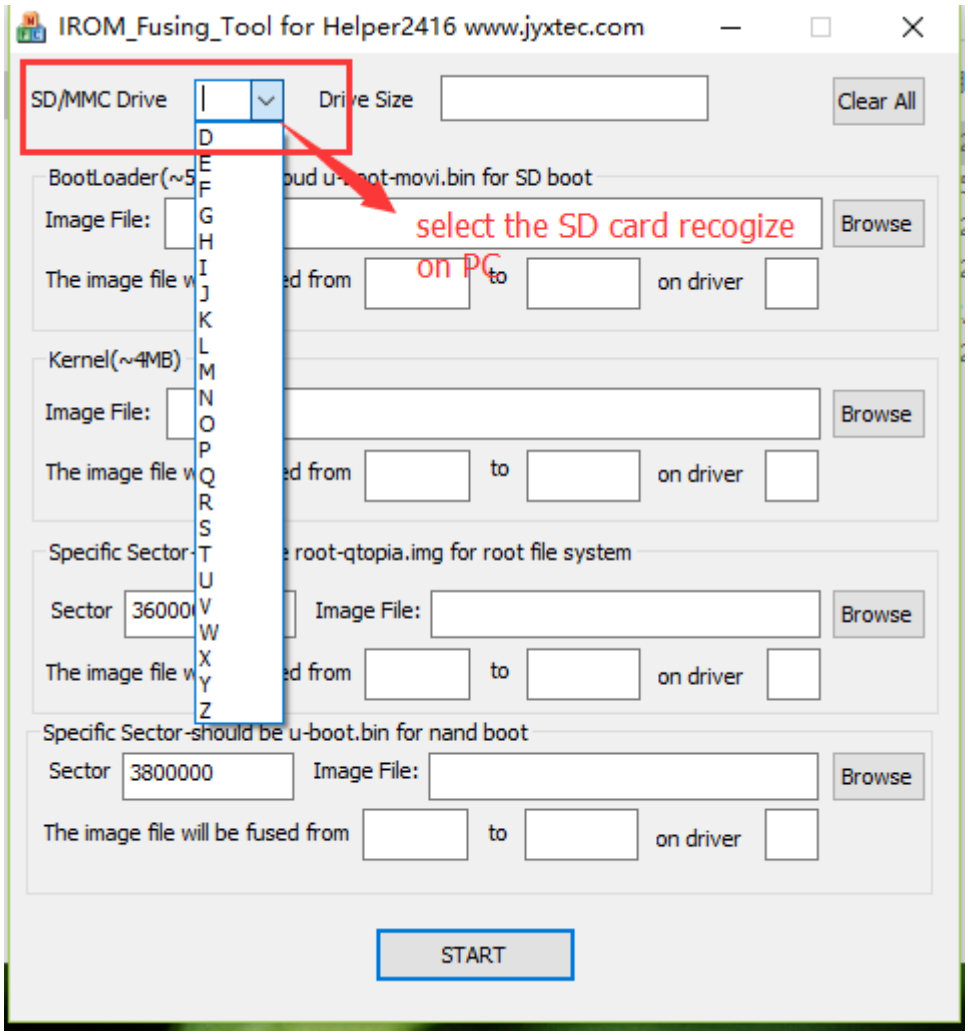
Switch off the quick format, which only overwrites the first memory areas with boot sector and table of contents.

1.2 Write Firmware onto Card

Start software to flash the card:

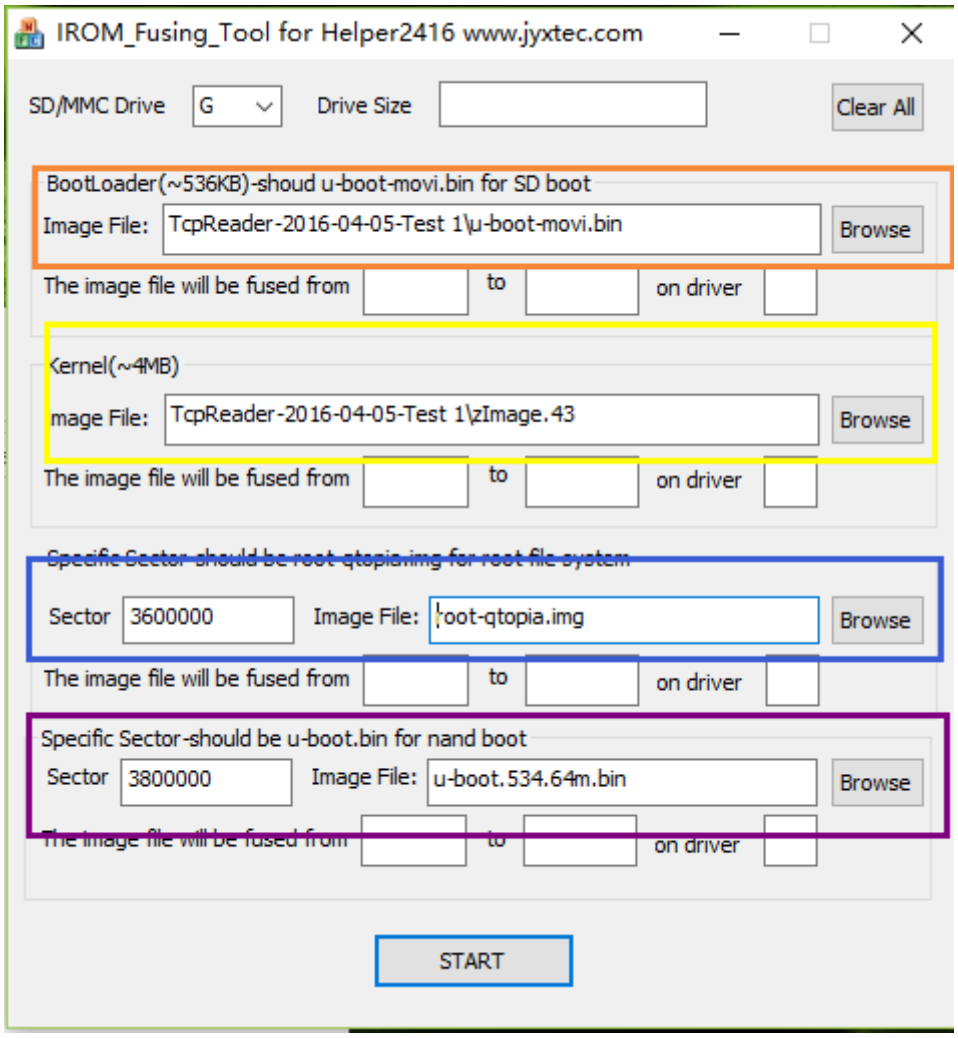


Select the disc drive that contains the card:



On some PCs you may need to start this software expressively with administrator privileges. Click on the file "IROM_Fusing_Tool.exe" with the right mouse button. This will open the context menu. Select the entry "Run as administrator".
Confirm the following security information.

Select the binary files to be written onto the card:



Note: The file „root-qtopia.img“ can have a version information in the file name e.g.: „root-qtopia-v3.1.img“.

You do not see any change in the free memory of the SD card. Neither will you see files on the SD card.

The files are written directly onto the memory of the SD card.

2 Flash Firmware onto Device

1. Turn off the power of the device.
2. Insert Micro SD card into the slot.
3. Press and hold the button labeled "Boot SD".
4. Supply the device with power again.
5. After a few seconds, you can release the button.
6. Wait for the update process.

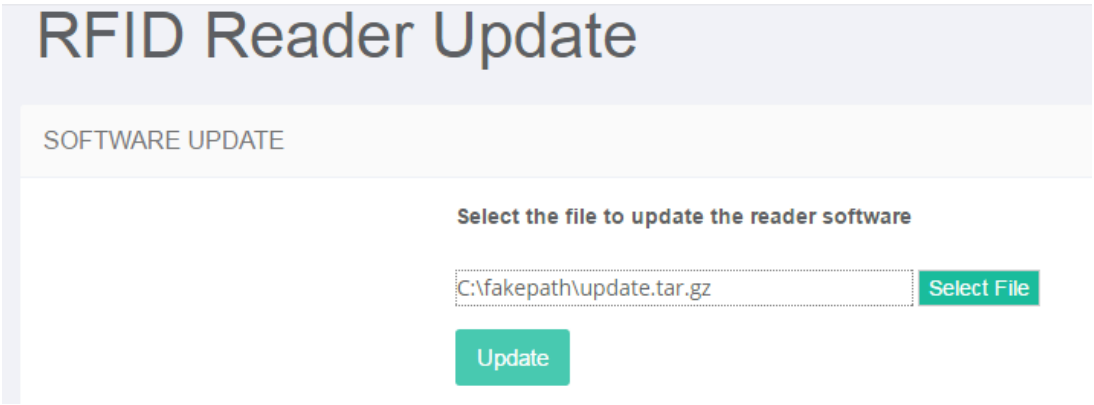
Tipp: If you leave a network port plugged in, you will see the end of the update and the subsequent reboot at the network communication.

3 Update to TLS 1.2

Default Ethernet Settings:
IP-Address: 192.168.1.20
User Name: smart
Password: 123456

Tip: If you directly open the page http://192.168.1.20/index.html, you do not need to log in.

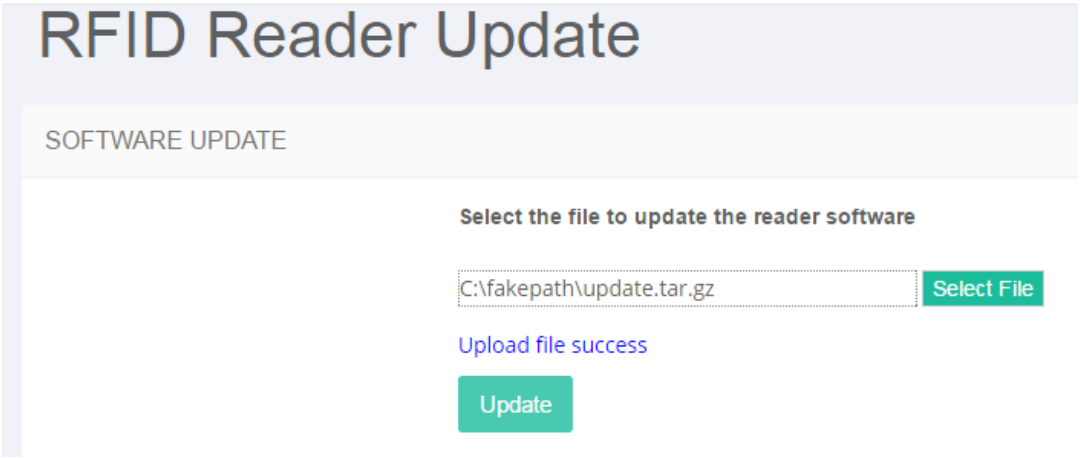
Go to the web interface of the device. Open the menu item “Software Update”.



Click on [Select File] and select the file “update.tar.gz”.

Note: The file "update.tar.gz" may contain version information in the filename and may look like this: "update-v3.1.tar.gz".

Start this process with [Update] and wait for the success message.



Now the device reboots.