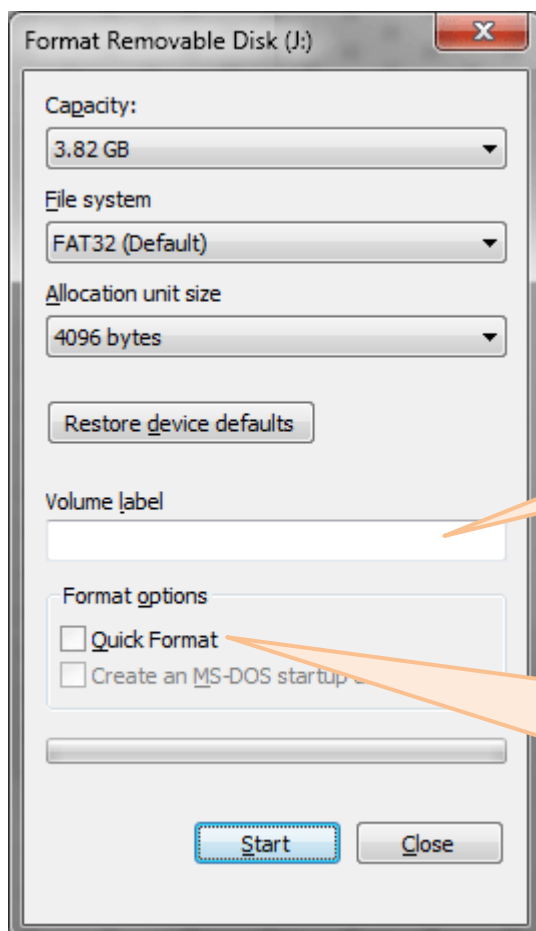


ID Access 1500, OEM-HF-R845-ET-BO 13.56 MHz read-only RFID Module Firmware Update 2022-03-02

1 Prepare Micro SD Card

1.1 Fully Erase Card



Use the volume label to give the Micro SD Card a descriptive 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.

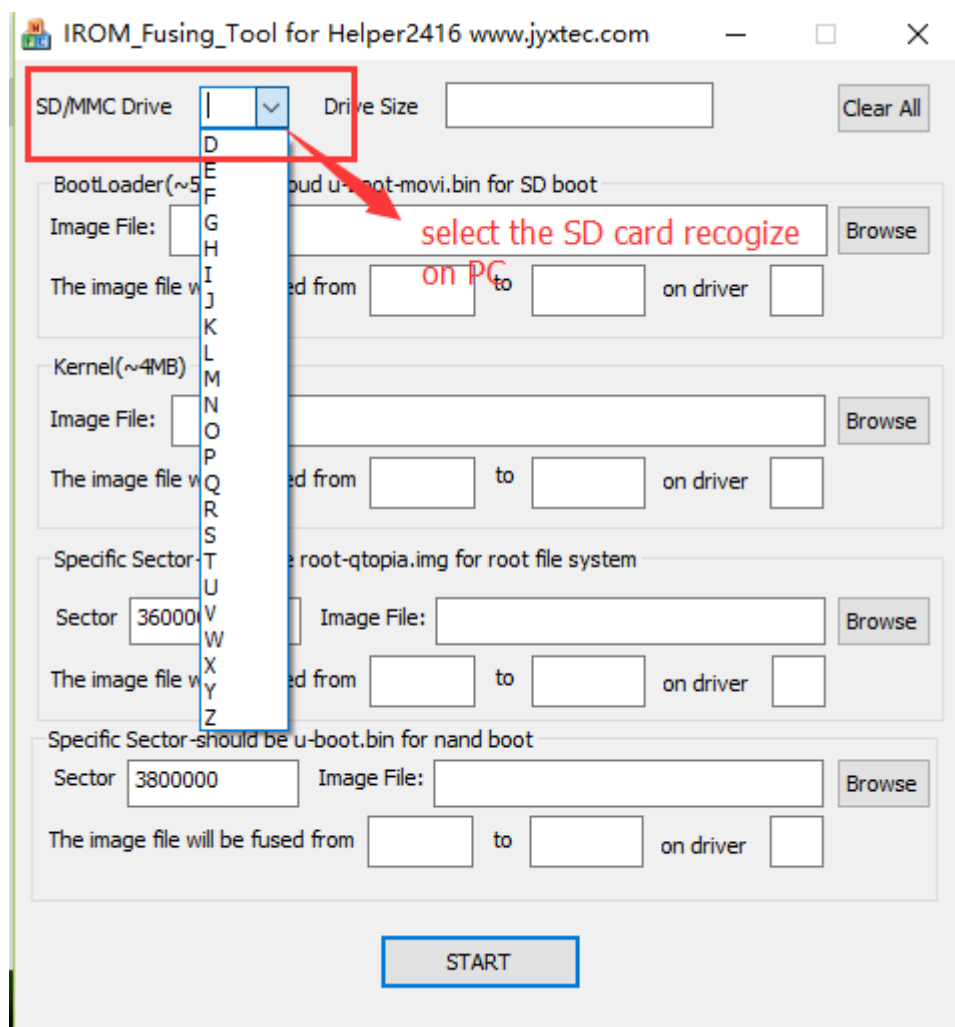
1.2 Write Firmware onto Card

Start software to flash the card:

名称	修改日期	类型	大小
IROM_Fusing_Tool	2014/9/2 15:11	应用程序	158 KB
root-qtopia	2016/4/5 20:50	光盘映像文件	33,174 KB
TcpReader	2016/2/22 18:17	应用程序	2,221 KB
u-boot.534.64m.bin	2016/2/23 13:30	BIN 文件	205 KB
u-boot-movi.bin	2015/12/30 23:47	BIN 文件	536 KB
zImage.43	2014/2/25 22:24	43 文件	1,879 KB

fusing tool for write system into the SD 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:

IROM_Fusing_Tool for Helper2416 www.jyxtec.com

SD/MMC Drive: G Drive Size: Clear All

BootLoader(~536KB)-shoud u-boot-movi.bin for SD boot
Image File: Browse
The image file will be fused from to on driver

Kernel(~4MB)
Image File: Browse
The image file will be fused from to on driver

Specific Sector-should be root-qtopia.img for root file system
Sector: Image File: Browse
The image file will be fused from to on driver

Specific Sector-should be u-boot.bin for nand boot
Sector: Image File: Browse
The image file will be fused from to on driver

START

Note: The file „root-qtopia.img“ can have a version or date information in the file name, e.g.: „root-qtopia-20210719.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.

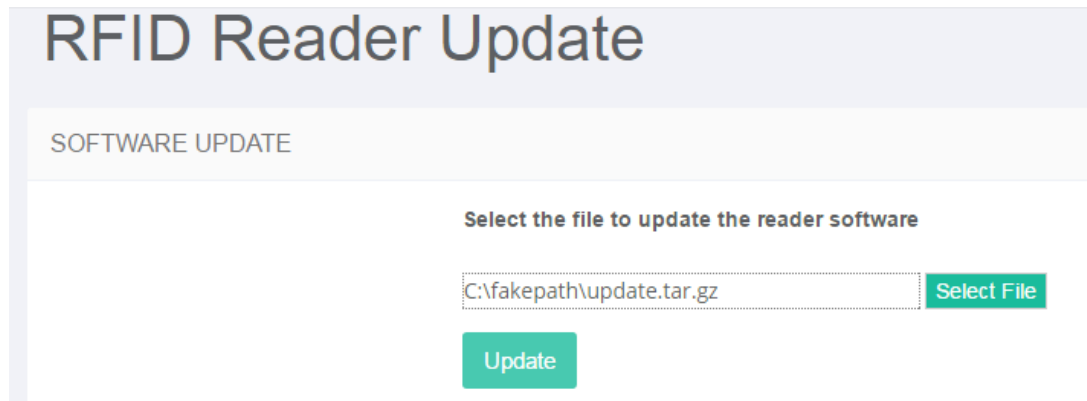
3 Update via Web Interface

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 “update1.tar.gz”.

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



Click on [Select File] and select the file “update2.tar.gz”.

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



4.2 Configure a Root Password

Login to the Linux for user “root”. After update, no password is needed.

Type in this command to start the interactive password setting for user “root”: `Passwd root`
Now type in the new password twice.

iDTRONIC uses the password: IDbossa53XL

Please reboot the device to take over the changes: `sudo shutdown -r now`

5 Test Configuration

The screenshot shows the 'TcpReader' application window with the following sections:

- Connection:** IP: 192.168.10.20 (dropdown), Search, Disconnect.
- Set/Get Reader Parameter:**
 - ReaderID: 130001
 - ReaderStatus: False (dropdown), Set
 - RelayDuration: 30 x20ms
 - BuzzerDuration: 30 x20ms
 - Light Duration: 50 x20ms
 - Get
- Network Setting:**
 - Static IP: 192 . 168 . 10 . 20
 - Subnet: 255 . 255 . 255 . 0
 - Gateway: 192 . 168 . 10 . 10, Get NetConf
 - DNS: 8 . 8 . 8 . 8
 - MAC: 08:90:90:21:00:18, IP Modify
- URL:**
 - https://www.sportivity.com/ws/AccessGate
 - Get URL, Set URL
- Operation:**
 - Buzzer: ON (dropdown), Relay: ON (dropdown), Device Control
 - Light: OFF (dropdown)

We recommend to change the MAC address of each device to an individual setting.