DEVELOPMENT KIT - MINI READER

Quick Start Guide



The Mini Reader is a device for reading and writing RFID transponders. It can communicate with a large range of transponder types in the frequency range of 13.56MHz.

This Development Board allows investigation of the most important interfaces of the Mini Reader module, like UART (via USB), GPIO and SAM.

Package Contents:

- Development Board
- Mini Reader
- MIFARE Transponder
- Cable Micro USB / USB-A
- Rubber feet



Getting Started	
1. Connect Mini Reader	To work with the Mini Reader, connect the module in the appropriate connector of the Development Board. IMPORTANT: Please be sure to connect the module in the right way (the marking for pin 1 of Development Board and Mini Reader should match). Otherwise the Mini Reader could be destroyed!
2. Cable Connection	In order to start operating a Mini Reader, it simply has to be connected to a host. Plug in the USE Cable with the Mini USB plug to the Development Board and the other one to a PC.
3. Power Up	Once the Board is connected to the host, a driver must be installed. If this is not done automatically, you can download the driver for your operating system on the FTDI website: http://www.ftdichip.com/Drivers/VCP.htm When the driver installation is finished, a new virtual COM port is installed on the PC. Now you can set up a connection to the Mini Reader using this COM port.
4. Operation	Mini Reader The easiest way to communicate with the Mini Reader is the software SmartISO.exe which you can find in the MifareNFCDevPack107. You can download the DevPack at: http://www.elatec-rfid.com/download-center To setup a serial connection to the reader, just select the previously installed virtual COM port (see 3.3), set the baud rate to 9600 and click the button Connect. Once the serial connection is established, you can click Start on the tab Read Serial Numbers. TWN4 MultiTech HF Mini Reader It is very convenient to operate the TWN4 MultiTech HF Mini Reader with the Director software tool, which you can find in the base directory of the TWN4 DevPack. First you need to find the right COM port in the Device Manager. Gerate-Manager Weet Astron Ansicht 1 West Store Audio-viver-und stinecontroller Aud
	Port COM15 Baud Rate 9600 Connect Status: Simple COM15 Ettings After the connection is established, you can search for transponders by clicking the button Search
5. Detection of a Transponder	(search once) or activate the checkbox <i>Cycle</i> . Now just place a transponder near the Mini Reader and the SmartISO Software will show the UII in the log window!

Order Code for DevKit	
Mini Reader	T3MK-F which includes Mini Reader
TWN4 MultiTech HF Mini Reader	T4MK-F which includes TWN4 MultiTech HF Mini Reader

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