



USB-RS485-STICK

Hardware-Description

2023 September

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Introduction



1. Introduction

1.1. Foreword

Congratulations on purchasing a high quality DEDITEC product!

Our products are developed by our engineers according to today's required quality standards. We pay attention already during the development to flexible expandability and long availability.

We develop modular!

Due to a modular development we shorten the development time and - what of course benefits the customer - we sell at a fair price!

We ensure a long delivery availability!

If used semiconductors are no longer available, we can react faster. With us mostly only modules have to be redesigned and not the whole product. This increases the delivery availability.

1.2. Customer satisfaction

A satisfied customer is our first priority!

If something is not to your satisfaction, just contact us by phone or mail.

We will take care of it!

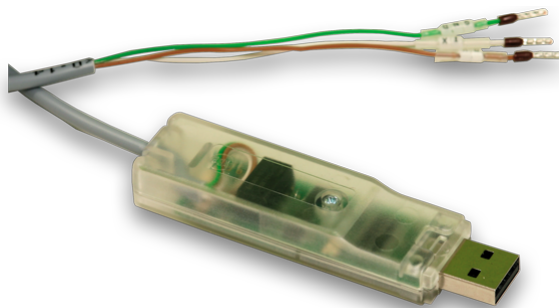
1.3. Customer response

The best products grow with our customers. We are always grateful for any suggestions or proposals.

1.4. Brief description

With this handy stick you are able to connect your PC/Notebook to the world of RS-485 devices. The galvanical isolation electrically separates the PC from the RS-485 interface. Disruptive impulses from the RS-485 side, that destroy such converters, are now things of the past.

With the help of galvanical isolation it is possible to connect your PC to industrial facilities that operate on an different electrical level than the used PC or notebook.

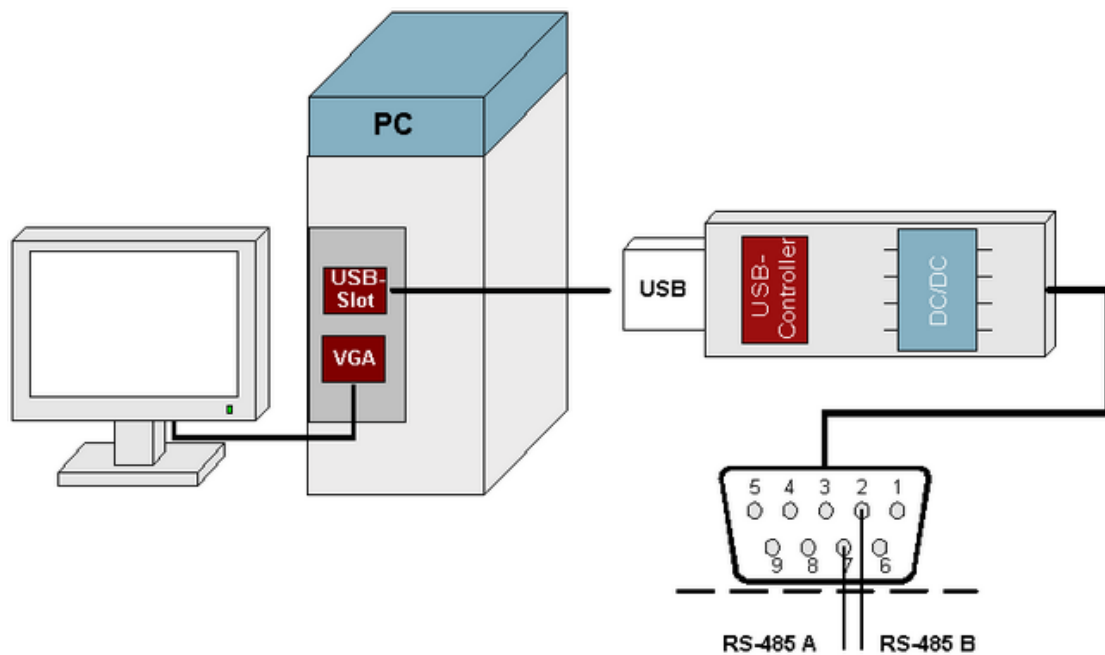


Hardware description



2. Hardware description

2.1. Technical data



- +5V power supply
- USB to RS-485 converter
- galvanically isolated
- 50 Baud ..115200 Baud (per Software adjustable)
- Windows VCP (Virtual COM Port)
- Linux drivers included
- Dimensions: 84,5 x 21 x 12,5/9,5 mm (without cable)

2.2. Pin assignment connector (9pin D-SUB connector)

The connection to the stick on the RS-485 side is made by a 9pol. D-Sub male.

RS-485 pin assignment

Pin	
2	RS-485 B
7	RS-485 A

2.3. LED's

Two LED signalize send and receive events.

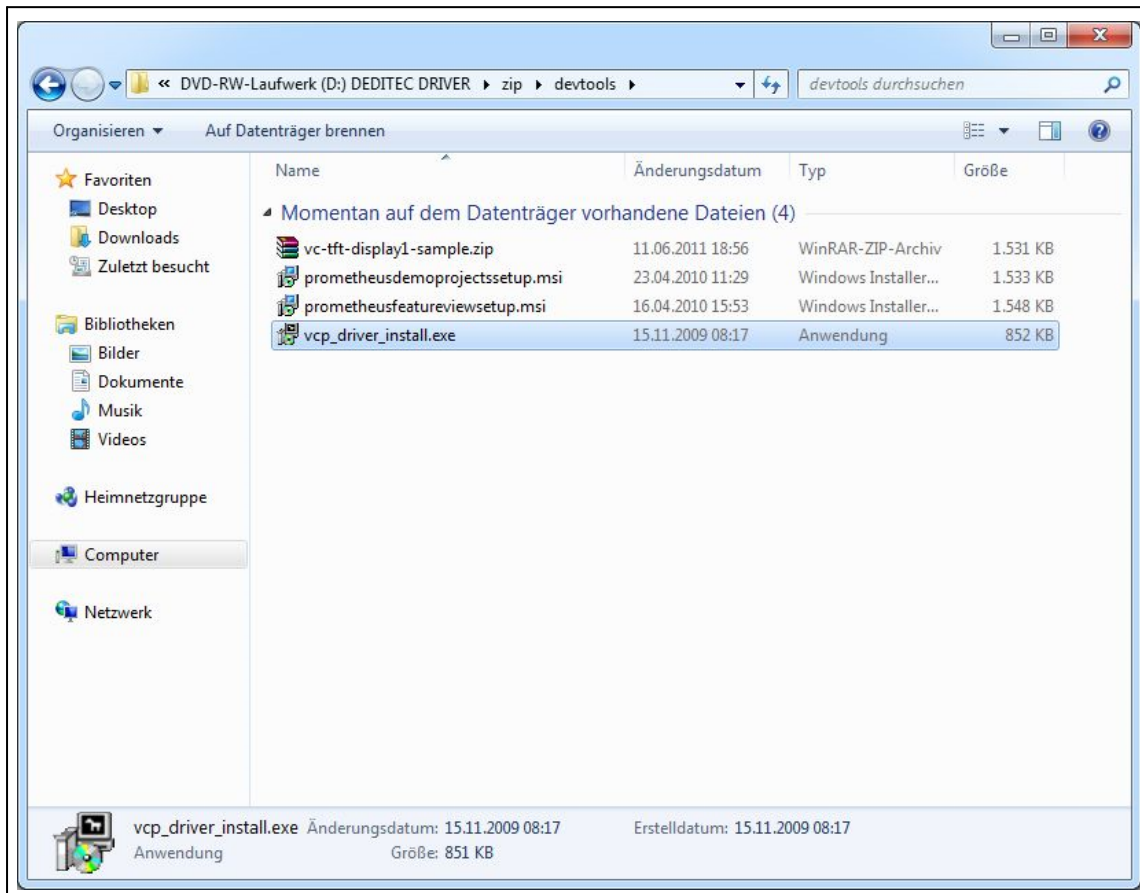
1*TX	(transmit)
1*RX	(receive)

Software

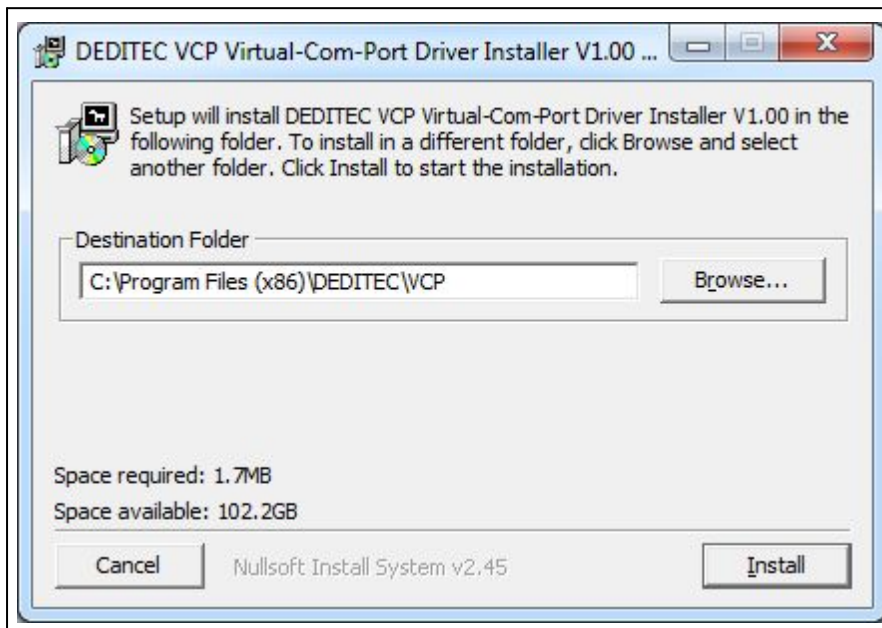


3. Software

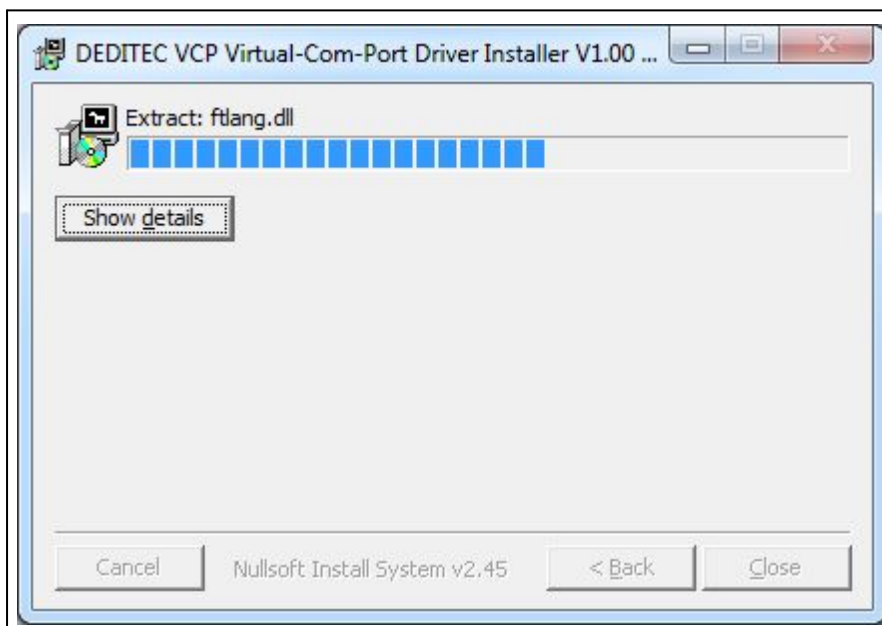
3.1. "VCP driver (Virtual COM-Port)" installation



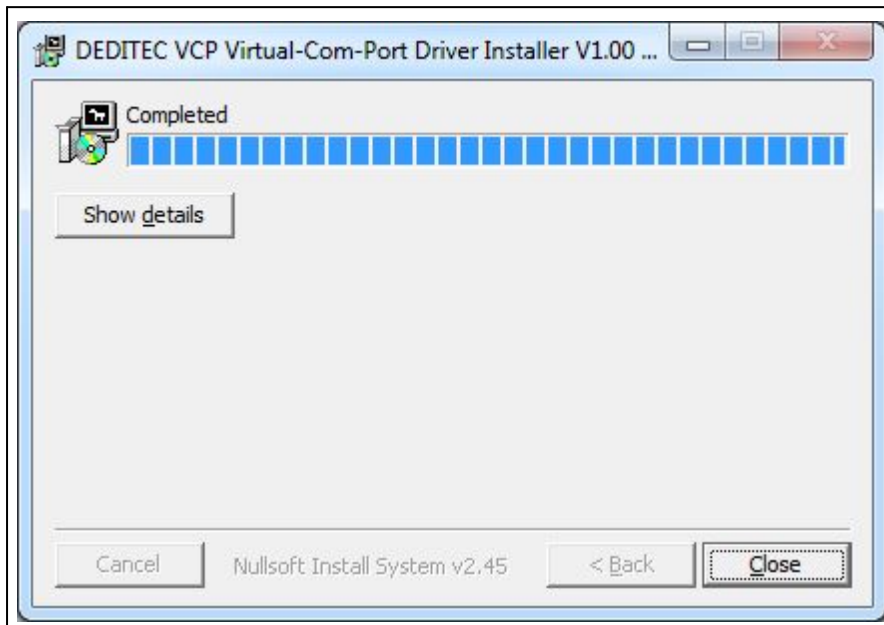
Insert the DEDITEC driver CD in your CD drive and start “vcp_driver_install.exe”. The “VCP driver (Virtual COM-Port)” software is also available at our homepage [>here<](#).



Press “Install”.



The driver will be installed.



The "VCP Driver (Virtual COM-Port)" Software has been installed now.
Press "Close" to finish installation.

Appendix



4. Appendix

4.1. Contact / Support

If you have any questions about the product or need assistance with commissioning, you can reach us at the following numbers:

Support Software

Tel. +49 (0) 22 32 / 50 40 8 – 20

Support Hardware

Tel. +49 (0) 22 32 / 50 40 8 – 30

Support via E-mail

support@deditec.de

4.2. Environment and disposal

You can return the defective or obsolete product to us at the end of its service life. As a manufacturer and distributor of electronic assemblies, we will take care of the proper disposal for you in accordance with the applicable legal regulations. For this purpose, it is best to use our return form on the homepage:

[Return form](#)

4.3. Revisions

Rev 3.01	DEDITEC Design Update 2022
Rev 3.00	DEDITEC Design Update 2021
Rev 2.01	Index added
Rev 2.00	Design change
Rev 1.00	First DEDITEC Instruction

4.4. Copyrights and trademarks

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