Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

MikroProg for Kinetis

From MikroElektonika Documentation

mikroProg™ for Kinetis is a fast programmer and hardware debugger. Smart engineering allows mikroProg™ to support all Kinetis ARM® Cortex™-M4 devices in a single programmer! Outstanding performance, easy operation, elegant design and low price are it's top features. It is supported in mikroElektronika, as well as in other ARM® compilers.

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mikroProg for Kinetis

mikroProg for Kinetis programmer and debugger

Supported devices	A total of 35 Kinetis K MCUs
Website	www.mikroe.com/mikroprog/kinetis/ (http://www.mikroe.com/mikroprog/kinetis/)

Key features

- Hardware Debugging -
- No need for firmware updates
- New microcontrollers supported via latest version of mikroProg Suite™ for ARM® software

What you see

- Flat cable
- Micro USB connector
- DATA transceiver indication LED
- ACTIVE indication LED
- LINK indication LED
- POWER indication LED
- Driver installation

On-board mikroProg™ requires drivers in order to work. Drivers can be found on our site (http://www.mikroe.com/mikroprog/kinetis/).

When you download the drivers, please extract files from the ZIP archive. The folder with extracted files contains folders with drivers for different operating systems.

When you locate the drivers, please extract the setup file from the ZIP archive. You should be able to locate the driver setup file. Double click the setup file to begin installation of the programmer drivers.

Connecting to a PC

After driver installation is complete, you can connect the programmer with your PC using USB cable provided with the package. Green POWER LED should turn ON, indicating the presence of power supply. Amber-colored LINK LED will turn ON when link between mikroProg™ for Kinetis and PC is established. Link can be established only when correct drivers are installed on your PC.

mikroProg Suite™ for ARM® software

mikroProg™ for Kinetis programmer requires special programming software called mikroProg Suite™ for ARM®. This software is used for programming all of Kinetis ARM® Cortex™-M4 microcontroller families. It features intuitive interface and SingleClick™ programming technology. Software installation is available on following link (http://www.mikroe.com/downloads/get/2589/mikroprog-suite-arm-programming-software-setup-v140.zip).

After downloading, extract the package and double click the executable setup file to start the installation.

Connecting with a target device

For connection with a target device mikroProg™ uses IDC10 JTAG connector. In order to make a proper connection with the target board, it is necessary to pay attention to IDC10 connector pinout. Every pin has a different purpose and for easy orientation IDC10 connector is marked with a little knob and incision between pins number 9 and 7.

Resources

- mikroProg Suite for ARM (http://www.mikroe.com/downloads/get/2589/mikroprog-suite-arm-programming-software-setup-v140.zip)

- MikroC for ARM (http://www.mikroe.com/mikroc/arm/)

- mikroBasic for ARM (http://www.mikroe.com/mikrobasic/arm/)

- mikroPascal for ARM (http://www.mikroe.com/mikropascal/arm/)

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