



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!



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# mikroProg™

programmer and debugger for Microchip® CEC MCUs



## Keep your code safe with high-level security

Support in mikroE compilers

### Compiler Compatibility

mikroProg™ for CEC1302 is supported with MikroElektronika mikroC™, mikroBasic™ and mikroPascal™ compilers for ARM® microcontrollers.



Debugger inside

### Fast hardware debugger

Debug your code and monitor code execution on the chip itself. mikroProg™ technology brings the power of hardware debugging to your favorite compiler.



Enhanced Security

### CEC1302 crypto features

Microchip's ARM® Cortex®-M4 MCUs integrate numerous cryptographic algorithms, including secure firmware updates, which are supported with this mikroProg.



Compact and slim

### Design matters

Elegant minimalistic design, clean matte white plastic finish and colour indicator LEDs make our programmer the first of its kind in the world.



## What is mikroProg™ for CEC?

mikroProg™ for CEC is a fast programmer and hardware debugger. Smart engineering allows mikroProg™ to support the CEC cryptographic engine with secure firmware updating. Outstanding performance, easy operation, elegant design and low price are its top features. It is supported in mikroElektronika ARM® compilers.





Hardware In-Circuit Debugging with mikroProg™

### SingleClick™ Debugging



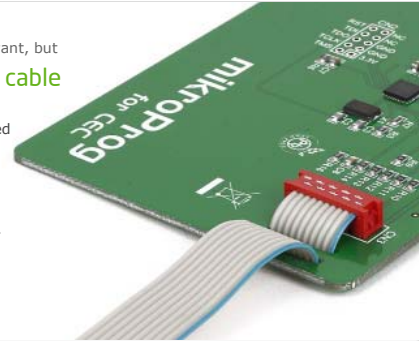
mikroProg™ has native support for hardware step-by-step Debugging. debugger is a separate DLL module in mikroElektronika ARM® compilers which supports Step-over [F8], Step-into[F7], Step-out[Ctrl+F8], Run[F6], Run To Cursor[F4] debugging operations. Also, debugger supports standard and advanced breakpoints, which enable you to exploit the full potential of fast debugging.

You can pull it as hard as you want, but

### You won't rip out the cable


How many times have you pulled the cable out of some device accidentally and it just stopped working?


We made sure to provide a secure connection of programmer cable and created a holder to tie it firmly into place.



## mikroProg™ Suite for ARM®

On board mikroProg™ programmer requires special programming software called mikroProg™ for ARM®. This software is used for programming CEC ARM® Cortex-M4™ microcontrollers. Software has intuitive interface and SingleClick™ programming technology.

 [mikroProg Suite for ARM® software \[5.20MB\]](#)

 [mikroProg for CEC User Manual \(Coming Soon!\)](#)



*mikroProg™ for CEC software and programmer drivers are certified for Windows XP, Windows Vista, Windows 7, Windows 8, Windows 10 operating systems.*

## Package Contains

mikroProg™ is packed in the protective box along with the relevant documentation and product DVD. This box is very resistant to all kinds of damages and shocks. The package contains:



Damage resistant protective box



mikroProg™ for CEC



USB cable



User Manual

