

# 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.





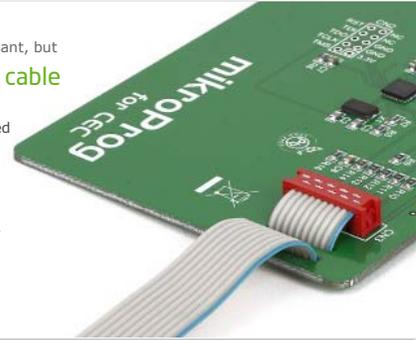
Hardware In-Circuit Debugging with mikroProg™  
**SingleClick™ Debugging**



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

