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## Flasher 5

### Features

- Small, compact housing
- Easy to use windows program
- Serial (in target) programming supported
- Programming / Verifying / Read back supported
- 2MByte internal Flash memory to store target program
- High speed programming: app. 17 sec for 256 kb in serial mode with 10 MHz M16C target for programming and verification
- Can be used in a production environment
- PC program allows batch mode processing for usage in automated test systems.
- Once set up, Flasher can be controlled without the use of P.C program
- ASCII comm and interface to control Flasher without the use of P.C program (Requires firmware version 1.84 or above)


[Documentation download](#)

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## New features

### January 2009:

Support for RENESAS R8C/1A added.  
 Support for RENESAS R8C/1B added.  
 Support for RENESAS R8C/24 added.  
 Support for RENESAS R8C/25 added.  
 Support for RENESAS R8C/2A added.  
 Support for RENESAS R8C/2B added.  
 Support for RENESAS R8C/2C added.  
 Support for RENESAS R8C/2D added.  
 Support for RENESAS M16C/56 added.  
 Support for RENESAS M16C/5L added.  
 Support for RENESAS M16C/63 added.  
 Support for RENESAS M16C/65 added.  
 Support for RENESAS M38049FFHSP and M38049FFHFP added.

### April 2008:

Support for RENESAS M16C/26B, M3062LFGPPF, M3062LFGPGP added.

### March 2008:

Support for RENESAS R8C/28, R8C29, M16C/64, M16C/65, M16C/6s added.

### December 2007:

Support for RENESAS R32C and R8C added.

### October 2006:

Flasher 5 rev. 3 comes with 2MByte Flash to store target data.  
 This allows programming of all RENESAS CPUs with more than 512KB Flash when Software 1.96a or above is used.  
 All Flasher 5 with series number above 51584 can be upgraded by just using the new Flasher software.

### May 2005:

Up to 20 COM ports supported by FLASHER PC program.  
 Additional options and comm and line parameter added.  
 Multiple individual setups can be controlled with command line to support multiple Flasher on one PC.

### January 2004:

ASCII comm and interface implemented to control Flasher from any application without the need of Flasher P.C program.  
 A manual which describes ASCII command interface and new Flasher software can be downloaded from our [downloadpage](#).