For software and hardware development, maintenance and production.

The embedded programming of application software in microcontroller systems has become easier with FLASHit.
It is being successfully used in development, production and maintenance in the TV/Video, automotive, measuring instrument and industrial machinery sectors.

FLASHit supports:
SiLabs* C8051
ARM Cortex M3
STMicroelectronics ST10, STM32 ARM Cortex M3
Infineon C166, XC167, XE164, XC2200, XC2300, XC2700

FLASHit is available in 4 variations:

- **FLASHit Developer** the developer version. *more…*

  Data upload into the RAM / FLASH via the RS232 and USB* interface
  Sector partitioning of all FLASH memory is presented graphically
  External Flash memories are supported
  Chip erase and sector erase modes of the FLASH memory are possible
  Programming serial numbers into the target are fully automatically possible
  Checksum (CRC16) can be built using the entire content or portions of the FLASH memory
  Checksum Verification
  FLASH content can be read out and stored in HEX or BIN files
  SF-Registers of the target processor can be read out and can be set (reads analogue inputs directly)
  Software generator, provides Hex files for testing target systems
  Command line parameters are supported. Complete control of FLASHit from own application is possible
  Windows versions up to Windows 7 is supported

- **FLASHit Compact** the version for your customers or your service. *more…*

  FLASHit Compact exists of only one file in which your HEX file (firmware) and FLASHit become connected with the most important information of the target system. This file (FLASHit Compact) is provided from hse-electronics for you. You can copy FLASHit Compact as often as you want to make it available to the final user.

- **FLASHit Compact Builder** generate your Compact version of FLASHit easily yourselves. *more…*

  With FLASHit Compact Builder you can generate FLASHit Compact yourself which you can make available to the final user.

- **FLASHit OEM** the version of FLASHit adapted on your needs. *more…*

  The OEM version of FLASHit is a "two files" version consisting of FLASHit (approx. 1 MByte) and your HEX file which you can make available to the final user e.g., on your site.

Ordering:
FLASHit can be ordered directly from hse-electronics or from one of our sales partners. Further information you can receive on our website: http://www.hse-electronics.com

The Universal HEX-File-Tool

HEXit the universal HEX-File-Tool for analysis and modifying Intel Hex-, Motorola S-Record- and Binary-Files
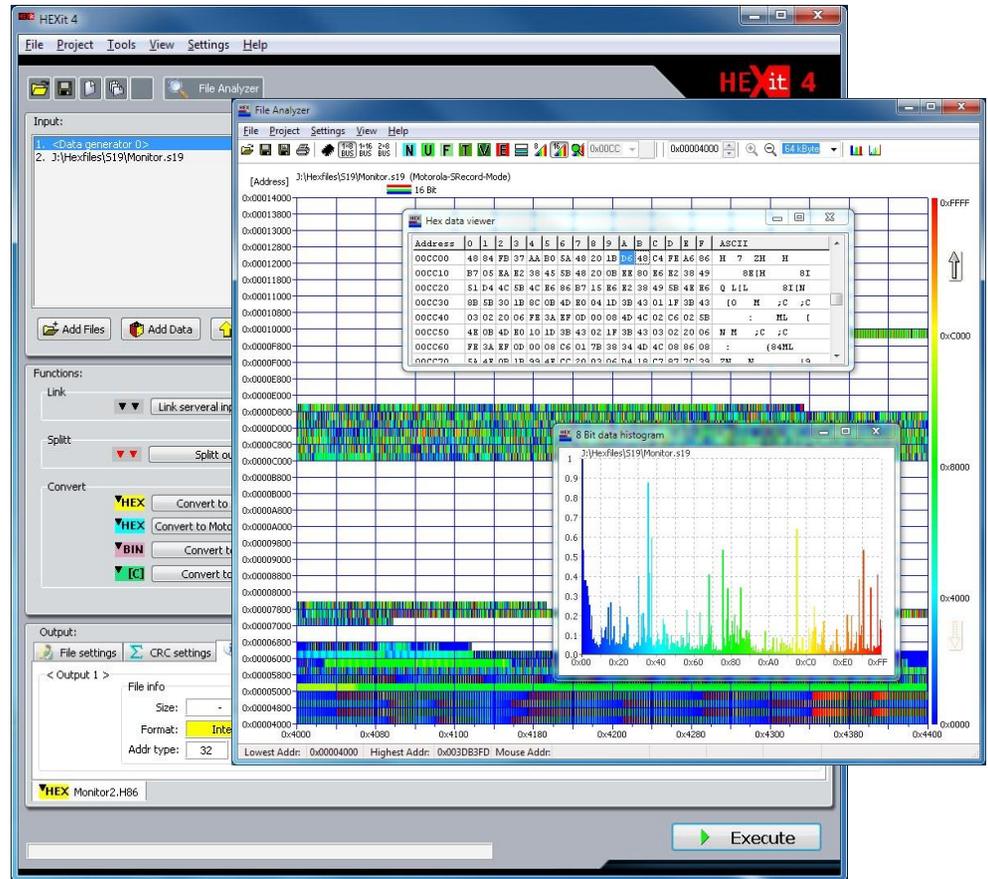
Does the following problem sounds familiar?
You have compiled your project. The result: No errors and no warnings. Everything is functioning fine with your debugger. On the target system, nevertheless, nothing is in functions.

To find the reason of such problems, HEXit analyses the Hex-or binary file on
- Memory allocation
- address distribution
- distribution of codes/-Data
- multiple address allocation

The result is shown graphically. So a quick discovering is possible.

In the called problem example the mistake can be, e.g. that the reset vector has not been occupied, or that the address area does not correspond to the hardware design. more…

- **HEXit Features:**

  Format change of Intel Hex, Motorola S-Record and Binary files into the other formats
  Check sum generation (CRC 16/32) for files
  Check sum can be written into the checked file
  Splits files, for example to a controller's internal and external flash drives
  Links multiple files
  Data generator creates constant numbers, ramps, or random numbers in order to test a system's behavior
  Graphical analysis of Intel Hex, Motorola S-Record and Binary files for
    - Storage allocation
    - Address distribution
    - Distribution of program codes / data
    - Multiple address allocation
  Quick overview of large data structures via assignment of color values to individual byte values
  Bar chart display of data
  Command line parameters are supported
  Windows versions up to Windows 7 is supported

Ordering:
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