

SDCC-M08 is a free port of the well known SDCC C compiler for Motorola 68HC08/908. The project develops under cygwin, but the executables can run on Windows. It is recommended to use cygwin for utilities as make, rm, mv, etc.

Executables (Stand-alone Windows executables):

- as-m08.exe : Asxxxx Assembler
- link-m08.exe : Asxxxx Linker
- sdcc.exe - C compiler
- sdccpp.exe - C preprocessor

Features:

- Stable state
- On-hardware-tested demo (>64k)
- Integral types: signed/unsigned bit, char, int, short, long and float
- Peripheral bit access
- Bit fields in structures
- Parameters passed in registers
- Memory models: near/far RAM, FLASH
- Translates for concurrent environment
- Reentrant library with float math, sin, cos, etc.
- Almost all usual library routines
- New: Executables running without cygwin!!!

Add-on-s:

- Deb08 monitor: assembly source (step, step over, disassembler, usable at small procs) (free from [url](#))
- PONY monitor (free from L3 Systems, Inc.)
- Remote Control Example Project
- Test program for all types and operators

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<http://sdcc-m08.sourceforge.net/downloads.html>