CEIBO

inDART-HCS08/D

In-Circuit, Real-Time Debugger/Programmer for Motorola HCS08 Family (USB)

- Real-Time Code Execution & In-Circuit Debugging

- Built-In FLASH Programmer

- In-System Programming and Debugging through a BDM-Compatible Interface

- Metrowerks CodeWarrior IDE, with Editor, Assembler, C Compiler and Debugger

- USB Connection to the Host PC

Specifications:

inDART-HCS08/D is a powerful entry-level tool for Motorola HCS08-based systems. inDART-HCS08/D takes advantage of Metrowerks CodeWarrior HC(S)08 Integrated Development Environment and the BDC (Background Debug Controller) feature to debug the user program. Together with CodeWarrior HC(S)08, inDART-HCS08/D provides you with everything you need to compile, download (program), in-circuit emulate and debug user code. Full speed program execution allows you to perform hardware and software testing in real time. inDART-HCS08/D is connected to the host PC through a USB port, while the 6-pin BDM connector of the product

Background Debug Controller (BDC)
All MCUs in the HCS08 Family contain a single-wire background debug interface which supports in-circuit programming of on-chip non-volatile memory and sophisticated non-intrusive debug capabilities. Unlike debug interfaces on earlier 8-bit MCUs, this system does not interfere with normal application resources. It does not use any user memory or locations in the memory map and does not share any on-chip peripherals. The background debug controller (BDC) uses a single-wire communication interface to allow non-intrusive access to target system memory and registers. inDART-HCS08 series tools use the standard, 6-pin BDM connector defined by Motorola to program and debug the target device.

CodeWarrior Integrated Development Environment
inDART-HCS08 series tools come with (and are seamlessly integrated into) a free version of CodeWarrior Development Studio for HC(S)08 Microcontrollers, Special Edition. The CodeWarrior Development Studio for Motorola HC(S)08 Microcontrollers enables you to build and deploy HC(S)08 systems quickly and easily. CodeWarrior Development Studio for HC(S)08 Microcontrollers, Special Edition, includes the CodeWarrior integrated development environment (IDE); 4 KB code-size limited C compiler and C source-level debugger; macro assembler and Assembly-level debugger. The Special Edition allows you to evaluate CodeWarrior Development Studio for HC(S)08 Microcontrollers at no cost.

Supported Devices:

MC9S08GB32
MC9S08GB60
MC9S08GT32
MC9S08GT60
MC9S08RC16
MC9S08RD16
MC9S08RE16
MC68HC908GR8
MC68HC908GZ16
MC68HC908GZ32
MC68HC908GZ48
MC68HC908GZ8