

inDART-One

**In-Circuit Programmer and Debugger
for Freescale 8- and 16-bit Microcontrollers**

HC08 Fast Algorithms and Maintenance Program



*Development Tools
for the EmbeddedWorld*

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DC01038

What are HC08 fast programming algorithms?

HC08 fast programming algorithms are optional, family-specific programming algorithms that can be purchased in order to reduce significantly the amount of time needed to program HC08 devices. Fast programming algorithms can be used both in single and multiple programming.

Fast programming algorithms can be used both in debugging (CodeWarrior) and programming (DataBlaze, MultiBlaze, IPL).

Device	Memory Size	Programming Times
MC68HC908GP32	32 KB, fCPU = 4 MHz	Program = 1.5 s Program + Verify = 2.9 s
MC68HC908QB8	8 KB, fCPU = 4 MHz	Program = 1.1 s Program + Trimming + Verify = 1.5 s
MC68HC908AZ60A	60 KB, fCPU = 4 MHz	Program = 2.7 s Program + Verify = 5.4 s

Fast Programming Times for Some HC08 Devices

What is the Maintenance Program?

The inDART-One Maintenance Program is a subscription which allows you to stay up-to-date with newly supported devices of all of the families supported by the instrument (HC08, HCS08, HCS12, HCS12X) and software updates, for one year from the date of the subscription. When you purchase inDART-One, the Maintenance Program is included, and will last for one year. After that, if you want to continue to benefit from the advantages of the Maintenance Program, you must renew the subscription.

The Maintenance Program allows you to keep your instrument up-to-date with the support for new devices with regards to programming (DataBlaze, MultiBlaze, IPL). The support for new devices in debugging (CodeWarrior) is always free of charge.

How can I purchase HC08 fast programming algorithms or renew the Maintenance Program subscription?

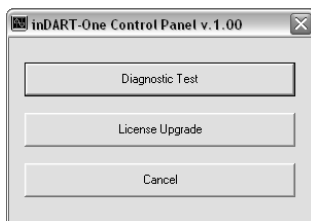
To purchase fast HC08 programming algorithms, or renew the Maintenance Program subscription, please contact SofTec Microsystems (info@softemicro.com). Both the fast algorithms and the Maintenance Program are instrument-specific. This means that, when you purchase either of them, you must specify the serial number of the inDART-One instrument on which they apply.

Note: once an instrument is unlocked for a particular fast algorithm, all of the other instruments connected to the same PC are automatically considered unlocked for the same fast algorithm, as long as the unlocked instrument is also connected. The unlocked instrument works as a “master”, temporarily unlocking all of the other instruments connected to the same PC at the same time. The same applies for the Maintenance Program: all of the instruments connected to the same PC are automatically upgradeable, as long as the subscribed instrument is also connected.

How do I install purchased licenses?

Once you have obtained the unlocking code(s) from SofTec Microsystems, do the following:

1. Open the inDART-One Control Panel. Select **“Start > Programs > SofTec Microsystems > inDART-One > Control Panel”**. The following dialog box will appear.



inDART-One Control Panel

2. Click the **“License Upgrade”** button and follow the on-screen instructions.

For more information:

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E-mail: info@softecmicro.com

We want your feedback!

SofTec Microsystems is always on the look-out for new ways to improve its Products and Services. For this reason feedback, comments, suggestions or criticisms, however small, are always welcome.

SofTec Microsystems

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Important

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