

Re: MSP430 in-circuit firmware upgrade question

Source: <http://coding.derkeiler.com/Archive/General/comp.arch.embedded/2004-11/0218.html>

From: Henry Kiefer (*otc_at_gmx.net*)

Date: 11/06/04

Date: Sat, 6 Nov 2004 02:00:12 +0100

Weiyang Zhou schrieb in Nachricht ...

>I am trying to implement the in-circuit firmware upgrade feature on a
>MSP430148 based system. The firmware consists of a boot loader and
>application. boot loader will be able to receive new application firmware
>over UART and program it into the flash to replace the older application.
>
>I have a few questions related to this:
>1. Can the boot loader program flash while executing in flash? Or does it
>have to be copied to RAM first?
>2. Both of my boot loader and application need to communicate over UART,
how
>do I change the interrupt handler at run time? I am using IAR's tool. Its
>"interrupt" keyword sets up interrupt vector at compile time.
>3. In IAR's Embedded Workbench, I will have two projects for boot loader
and
>application. If I use the linker script to place boot loader and
application
>into different location, can I use C-Spy to download them into flash?
>4. When build the application firmware for field upgrade, what link output
>format should I choose that's good for download and flash programming?
>5. When the system goes to production, how do I get a complete flash image
>so we can program it on MSP430 chips before populate it on the board?
I think you should work on it and not ask school questions. The people are
very busy here!

Sorry –
Henry

--

<Schau auch mal auf meine Homepage www.ehydra.dyndns.info>
<u.a. Versand von Wasserflohzuchtansatz, Wasserpflanzen/-schnecken,
brasilianischer Sauerklee, Natron zum Backen/Baden, u.a.>
<Alternativ über <http://people.freenet.de/algenkocher>>