

## Re: ARM LPC22xx development tools

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*Source:* <http://coding.derkeiler.com/Archive/General/comp.arch.embedded/2007-02/msg00449.html>

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- *From:* "rickman" <[gnuarm@xxxxxxxxx](mailto:gnuarm@xxxxxxxxx)>
  - *Date:* 8 Feb 2007 12:19:41 -0800
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On Feb 8, 2:02 pm, "okalex" <[oka...@xxxxxxxxx](mailto:oka...@xxxxxxxxx)> wrote:  
....snip...

The Atmel AT91RM9260 seems like a good part which fits our specifications. It would probably be overkill for our application, but at \$11 a piece (in quantities of 100), that's perfectly fine. Like the MCF5270, however, I haven't been able to find an inexpensive development board. The only one I've found is the evaluation kit manufactured by Atmel, which costs nearly \$700.

Lastly, we've got the NXP LPC2468...sort of. As far as I can tell, this part is only just being released. None of the major distributors have them in stock, so I'm assuming that it's still sampling and hasn't been put into full production yet. I could develop on a LPC2378, but my main concern is relying on a brand-new chip. I've read the NXP has a reputation for their Rev. 0 silicon being extremely buggy (for example, the LPC2378 cannot write to it's external bus).

Thoughts or comments on any of the above microcontrollers would be greatly appreciated, and will likely be handsomely rewarded in the afterlife, your next life, or through good karma (depending on your beliefs).

I recommend that you stick with the Atmel or NXP parts.

The AT91RM parts are fairly old. Atmel has a new AT91SAM9260 part which is listed as "production" and shows stock at Digikey. They also have the eval board for \$560. I can't say why this board is so expensive. It may have a lot on it, I don't know.

I don't know exactly why the NXP parts seem to be more popular with smaller designers, but the Atmel parts are very good. We are using one of the SAM7S parts here and another project is using the SAM7X. No real issues that made trouble for us. I expect the SAM9 will be pretty good as well. Check out the Yahoo group, AT91SAM might be a good place to ask questions.

<http://tech.groups.yahoo.com/group/AT91SAM/>

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