

Re: uC selection

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- *From:* "Jon Slaughter" <Jon_Slaughter@xxxxxxxxxxx>
 - *Date:* Sat, 15 Mar 2008 04:01:48 GMT
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<a7yvm109gf5d1@xxxxxxxxxxx> wrote in message
news:86a4146e-ddcc-40aa-8316-5ded547c1fc9@xx

On Mar 14, 7:14 pm, "Jon Slaughter" <Jon_Slaugh...@xxxxxxxxxxx> wrote:

Currently I use microchip pics but I'm looking possibly to switch, but what?
Is Atmel worth it? What about TI? I'm looking for something similar to microchip but more of a commercial aspect. I have never seen any commercial device that uses a pic and I assume there are reasons for this? It seems that pic's are only for hobbyists so using them in a commercial product is a no-no?

It's spelled "hobbyist". Just like "lobbyist".
PICs are used in cheap, high volume applications where you won't even see the part number or logo.
What language do you program in? What kind of applications? Simple button-LCD-I2C or more complex signal processing?

I have programmed in a large number of languages and thats not really the issue(python, php, C/C++/C#, java, assembly, pascal, etc..). The main thing is the funcitonality and scalability.

I'm looking at TI's chips right now and trying to see how consistent the chips are. I am not doing any advanced uC system's yet(just adc and pwm stuff ATM) but eventually I'd like to get into dsp(audio processing) and other stuff. I don't want to have to learn a new chip every time I move to a new application or be limited by the architecture. PIC's seem more like entry level more than anything else and I feel like the time invested in learning them might not pay off in the long run.

The only reason I'm using pic's now is cause of how easy was to get started and the majority of it was free/low cost(tools, chips, programmer, etc...).

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atmel AVR's seem similar to intel chips which I am used too as I used to do a lot of programming(although its been years) in x86. I'm not at all sure about TI and AD chips but looking at TI's now.