

Re: PIC/Linux

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On 05 Nov 2006 14:26:45 -0500, Allan Adler <ara@xxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

Suppose I want to learn to use a PIC and only have a PC running RH7.1 Linux. In particular, I don't have a PIC development board. I hesitate to get anything until I know exactly what I need and how much it will ultimately cost. If you know exactly what I need to get to do this, and what it will cost, please let me know. I assume I need:

- (1) A PIC development board. Which one and what will it cost, given that it has to talk to my PC running RH 7.1 Linux?
- (2) Software, to talk to the PIC development board, that will run on my PC running RH 7.1 Linux. What exactly do I get and from where?
- (3) Reading materials that will give me certainty of learning to actually use the PIC development board once I have the PIC development board and the software running under RH 7.1 Linux. What exactly do I read and what does it cost?

Is there a reason why you choose PICs? Atmel AVR microcontrollers are similar or even a bit better in terms of features, pincount, memory, speed, and they are easier to program. There is a gcc port for AVR controllers (yes, it's the same gcc you'd use on your Redhat system, but this one spills out code for AVR instead of x86). There are free programming tools like avrdude for programming the controllers via their ISP interface. So AVR is a better choice for you.

Start reading here:

<http://www.linuxjournal.com/article/7289>

<http://cdk4avr.sourceforge.net/>

<http://www.tuxgraphics.org/electronics/200411/article352.shtml>

Mit freundlichen Grüßen

Frank-Christian Krügel

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