Re: microcontroller selection

Source: http://coding.derkeiler.com/Archive/General/comp.arch.embedded/2006−01/msg00906.html

- *From*: "Alf Katz" <alfkatz@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
- *Date*: Wed, 25 Jan 2006 20:20:11 +1100

"eeh" <eehobbyist@xxxxxxxxxxxx> wrote in message
news:1138073461.231635.129160@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
> Hi, I want to select a 8 bit microcontroller which can be run under 3V
> and with 12MHz clock. Any choice?
>
Strange criteria indeed. Both data width and clock speed are usually
determined by processing requirements, cost of goods requirements,
development system cost, peripheral requirements, etc., etc. They are
rarely independant variables.

Still, perhaps you've got 10000 12 MHz crystals in the junkbox and need to
use your fingers to program in hex.
If that's the case, various 8051's (from 6 to upwards of 100 pins − more if
a core inside an FPGA) can run from a 12 MHz clock, some just under 1 MIPS
some just under to 100 MIPS (spooky eh?).

Cheers, Alf

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- ***References***:
  - ♦ ***microcontroller selection***
    - ◊ *From:* eeh

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