

## Re: Low cost USB / Ethernet?

**Source:** <http://coding.derkeiler.com/Archive/General/comp.arch.embedded/2004-04/1436.html>

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For 3,65 Mu/year, I think you can get a chip designed :-)

Key is what other functions you need...

There is an AVR app note at [www.avrfreaks.net](http://www.avrfreaks.net) on how to do low cost USB

The ATmega48 might be your best choice here.

(Fairly low cost and runs at 24 MHz)

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Best Regards,

Ulf Samuelsson [ulf@atmel.com](mailto:ulf@atmel.com)

This is a personal view which may or may not be  
share by my Employer Atmel Nordic AB

"Guy Macon" <<http://www.guymacon.com>> skrev i meddelandet  
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> I am starting a new high-volume (10K units per day) low cost/performance  
> (a 10 cent 4-bit microcontroller will do the job) project, but this one  
> has a twist; I have a requirement to make a USB version and a 10BaseT  
> or 100BaseT Ethernet version. Just in case anyone has already done the  
> research, does anyone here have a favorite chip for low-cost USB?  
> For low-cost Ethernet? I have lots of board space and a capable  
> power supply, and my actual data rate is well under 100 Bytes/second.

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> I may end up doing the protocol in software with a slightly more  
> powerful uC if I don't like the prices for the interface chips.

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> Guy Macon, Electronics Engineer & Project Manager.

<http://www.guymacon.com/>

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