

Re: High speed ADC with USB interface

Source: <http://sci.tech-archive.net/Archive/sci.electronics.components/2005-01/0494.html>

From: Richard Webb (webby_at_REMOVERichardwebb-online.co.uk)

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Analog Devices do some evaluation boards for some of their ADCs which you can interface to their 'USB FIFO' board, might be suitable, although I think the ADCs in question are far faster than 4MSPS.

"Ian Stirling" <root@mauve.demon.co.uk> wrote in message
news:41f3b940\$0\$16530\$ed2619ec@ptn-nntp-reader02.plus.net...
> *In sci.electronics.design Ulf Samuelsson <ulf@at-m-e-l.com> wrote:*
> > *<adc> skrev i meddelandet*
> > *news:41f3934e\$0\$803\$afc38c87@news.optusnet.com.au...*
> > > *I'm looking for 12-16bit ADC with 4MHz samplingrate capable of storing*
> > *4K*
> > > *samples, with USB interface to transfer data to a PC.*
> > >
> >
> > *I doubt that you will find this ADC/USB/Storage on a single chip.*
> > *With 4 Mhz sample rate and 12 ?bit resolution*
> > *you need 48 MHz operation for a serial interface*
> > *so it is likely you need a parallell interface.*
>
> *That's only 6 megabytes/second.*
> *USB2 can easily do this.*
> *I however also doubt you'll find a single chip.*
>