Subject: Re: Reading Analog input from IDL
Posted by b_gom on Fri, 02 Nov 2012 18:42:35 GMT
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You will almost certainly need to write a DLM to interface the vendor-supplied libraries to IDL. Writing a DLM can be a bit daunting, but is explained really well in Ronn Kling's book. You don't need the latest version of IDL for the DLM, but the DLM you write needs to be compiled for the specific version of IDL being used. You can compile DLMs using the free version of Microsoft Visual Studio.

I've written code for the DataTranslation ADC units (which more than meet your requirements), but their SDK is a bit complicated because they use the same framework to support a wide range of products. I don't know if the NI SDK is better or worse for integration into a DLM, but their main advantage is the Labview interface.

Good luck-

On Friday, November 2, 2012 2:23:34 AM UTC-6, Stefan Fuglsang wrote:
> Any suggestions how to access live analog signals from IDL?
>
> I'm thinking of buying an NI-USB-6210 or similar, but how do I read the signals (through a library in a DLL I guess -- I have very little experience in doing this from IDL)? Any limitations on version (I'm running IDL 6.4, but I can upgrade if necessary)
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>
> Other suggestions for hardware are also welcome.
>
> Requirements: must run on Windows XP, USB connection, resolution>=12 bit , sample rate ~100 samples/s, +- 1 V range, price preferred less than 1000 Euro
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>
>
> Thanks
>
> Stefan