

be added in a future revision. Please call or email us for an update on the availability of these features for your product of interest.

What versions of LabVIEW™ does the library support?

Version 6.0 or greater.

Will I have to make any changes to my program if I switch from an NI board to one from MCC?

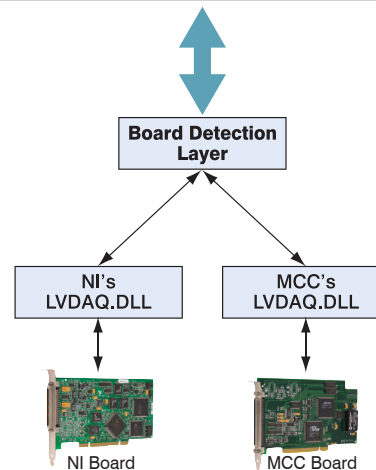
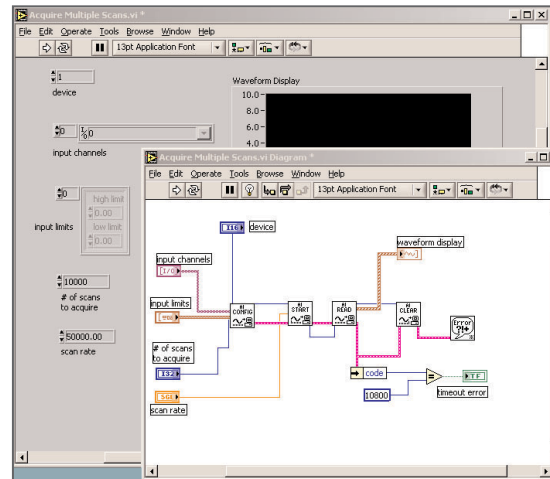
Possibly. The current version of InstaCAL does not support virtual channels as available in MAX. If you have coded any Virtual channels into your LabVIEW program, you will need to redefine the channels by selecting the appropriate device# and channel#.

Also, the current version of InstaCAL does not provide automatic linearization or conversion to engineering units. If you have used MAX to manipulate your data, you will need to modify your LabVIEW program to include any data conversion methodology you have selected in MAX.

But don't worry, these features are on the way!

Are there any NI VIs not supported?

Yes. The current version of UL for LabVIEW supports all analog and digital "Easy VIs" and all of the analog input and output "Intermediate" VIs. However, it does not support every digital Intermediate VI, nor does it support all "Intermediate VI" VIs. Please visit our website for a detailed listing of the VIs currently supported.



How LabVIEW recognizes your board

Does the UL for LabVIEW run as fast as the standard NI library?

Yes. Our bench marks testing has indicated no difference between execution speed of the MCC and NI libraries.

How Does it work?

The new Universal Library for LabVIEW adds a software layer between LabVIEW and the NI DLL that actually controls the data acquisition board.

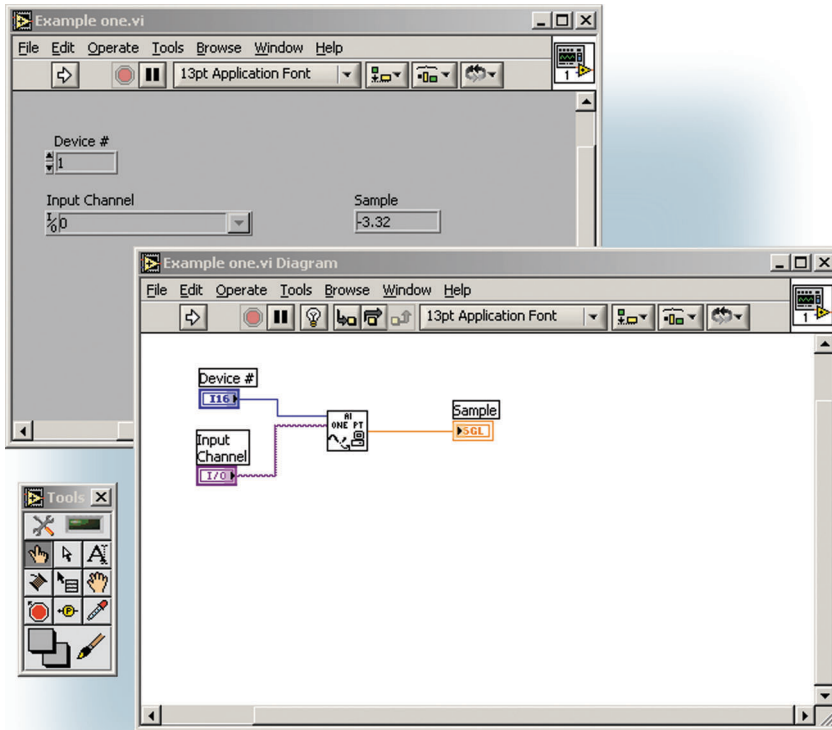
This new layer looks at each hardware VI function call, and determines if the function is slated for an NI, or MCC board.

If the function is for an NI board, the function call is forwarded to the standard NI DLL. If the function is for an MCC board, the function is executed by the MCC DLL.

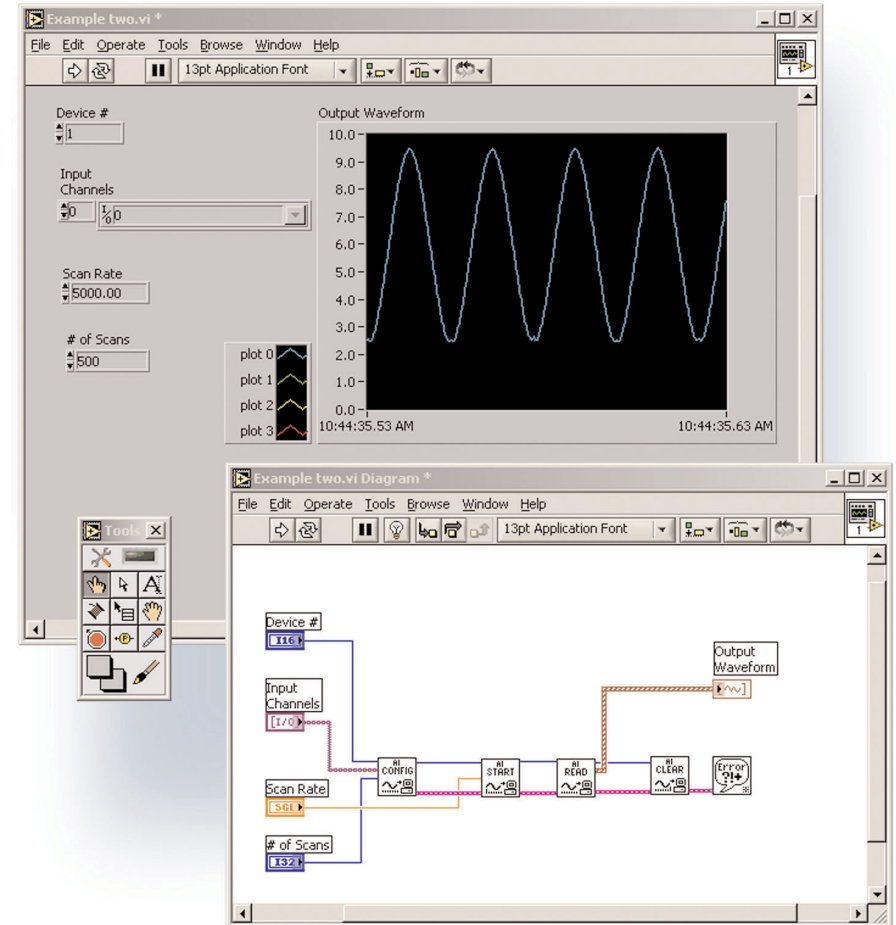
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Universal Library™ for LabVIEW™ example programs

Use your existing NI DAQ VI's with Measurement Computing boards



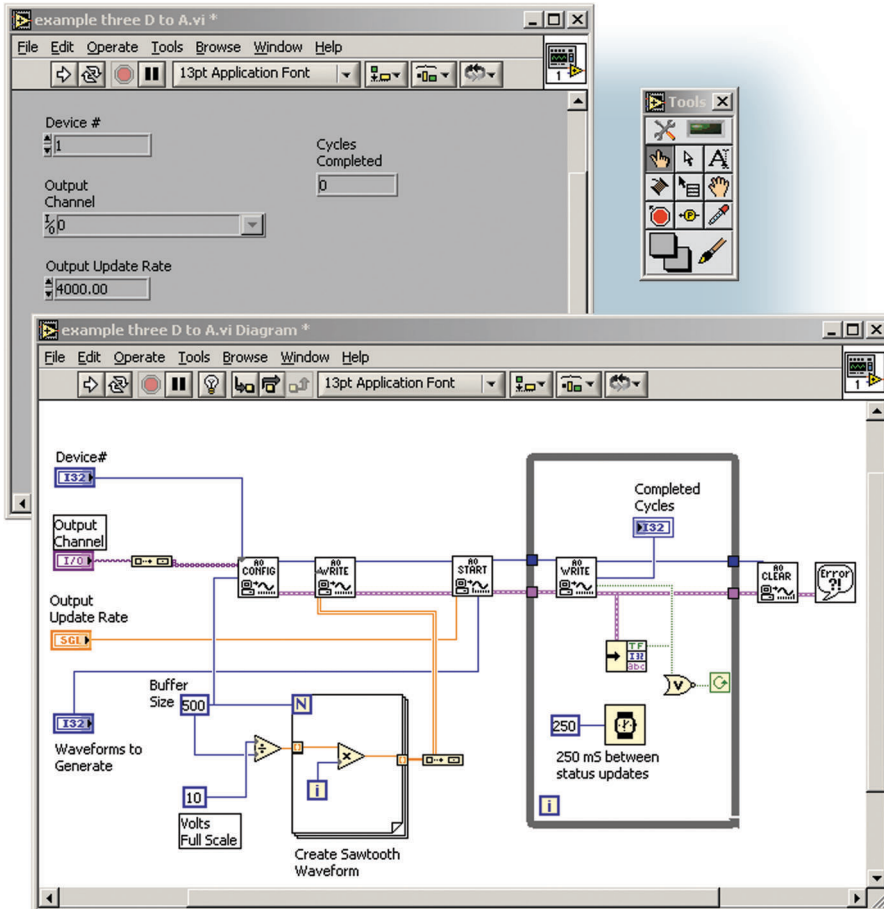
The new Universal Library for LabVIEW allows you to use Measurement Computing boards with the same VIs you have been using with NI boards. The above example is a simple one-point analog input capture program.



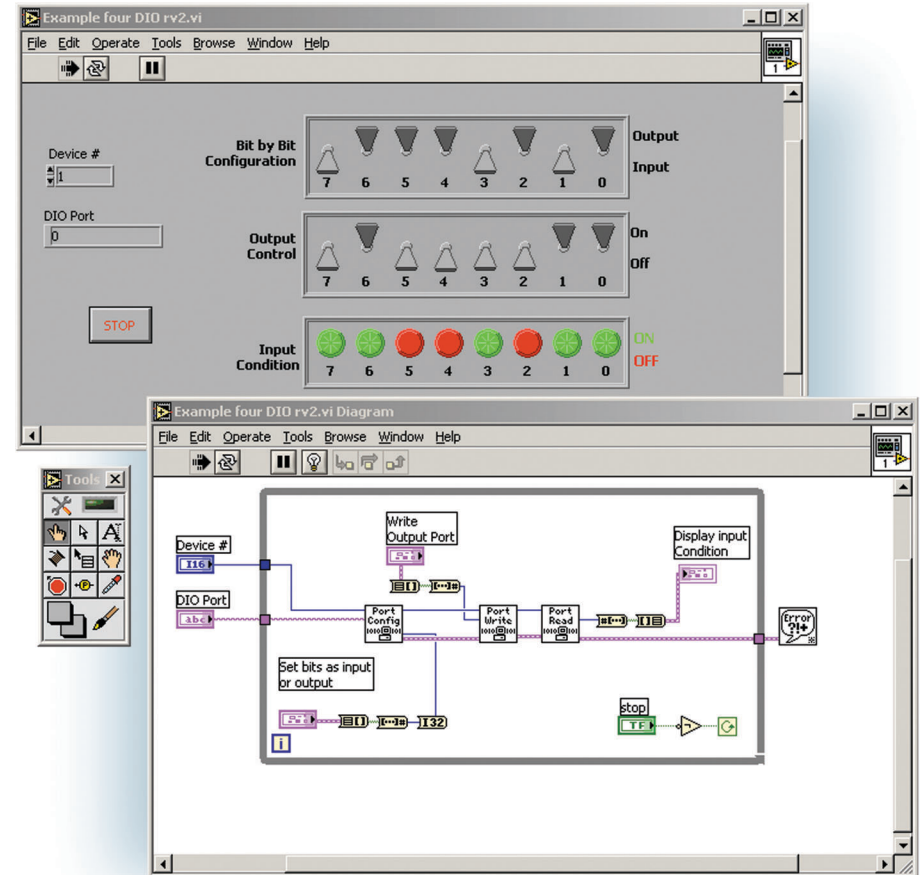
The example above is a simple, but typical use of a multipoint, timed scan of analog inputs. The results are shown on a waveform plot.

Universal Library™ for LabVIEW™ example programs

Use your existing NI DAQ VI's with Measurement Computing boards



The LabVIEW program above uses the NI analog output VIs to create a sawtooth waveform on an analog output.



The digital input and output example program shown above utilizes NI's digital port I/O VIs, and allows the user to configure eight DIO bits as input or output, set the state of the outputs, and monitor the state of the inputs.