DAQBench®

ActiveX Controls for Measurement and SCADA/HMI

DAQBench® Features

- 32-bit ActiveX controls support Windows 98/NT/2000/XP
- Easily programming in VB, VC++, Delphi, and C++ Builder
- User-friendly property page interface for interactive configuration

DAQBench® Benefits

1. **Superior flexibility** - Flawlessly combines ActiveX technology with programming languages.
2. **Top efficiency** - Features the best run-time performance with machine-code.
3. **Compatibility and extensibility** - Easy integration with ActiveX controls.

What is DAQBench®?

DAQBench® is an ActiveX controls package designed for measurement and SCADA/HMI applications. DAQBench® leverages Microsoft ActiveX technology, the standard for code interchangeability and integration under Windows platform. DAQBench® provides plenty of ActiveX controls for data display, numeric analysis, and application integration. You can develop a powerful application with fantastic user interface by just piecing DAQBench® controls together in most popular programming environments. With DAQBench®, programming has never been so easy!

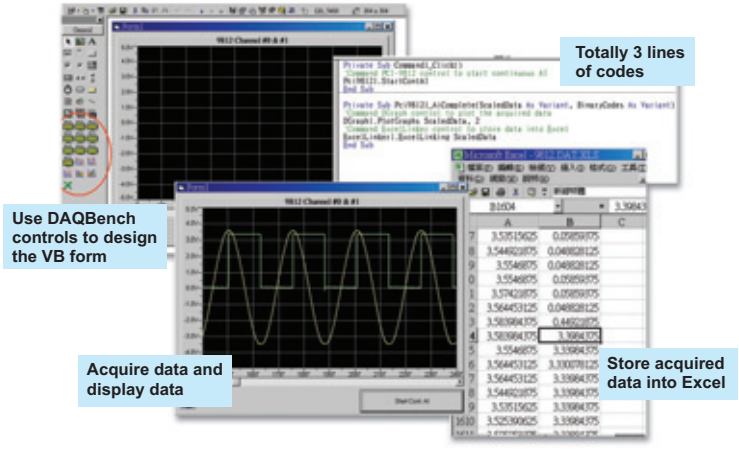
DAQBench® for Measurement - Build up your measurement applications in few minutes

- Plenty of user interface controls including graph, chart, meter, knob, button, switch, slide, and 7-segment display
- Powerful analysis controls including statistics, vector, complex, matrix and FFT
- Integration controls on data with Excel, Databases, etc.

DAQBench® gives you a great help in each step of a measurement application. You can acquire the data by using DAQ ActiveX controls*. The DAnalysis control in DAQBench® helps you analyze the acquired data. You can display the data in any way you like by choosing different user interface controls. Finally, you can also integrate your data into Excel or a database with the DAQBench® data integration controls. **Figure 1** is an example of using VB with DAQBench® to develop a data acquisition application.

** ADLINK provides free DAQ ActiveX controls to support a entire line of data acquisition cards. Please refer to PCIS-OCX, D2K-OCX and WD-OCX for detailed information*

Figure 1



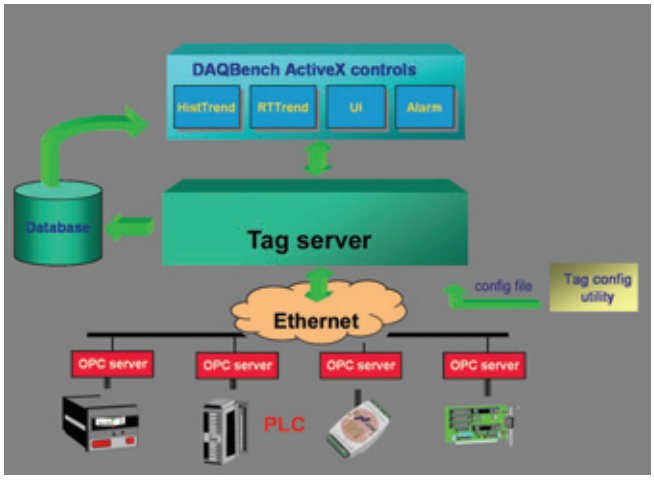
DAQBench® for SCADA/HMI - Unlimited SCADA/HMI applications with network accessibility

- A smart tag server for automatically data gathering, data logging, and alarm generating.
- Support any kind of hardware device via OPC standards
- Distinctive controls for SCADA/HMI application including real-time trend, historical tread, alarm display, report generating, and industrial symbols.
- Support Mitsubishi PLCs, Omron PLCs, AB PLCs, Modbus/TCP, and M-System in DAQBench® 2.4 package
- No limitation on tag number

DAQBench® provides a complete and robust structure for developing a SCADA/HMI application without limiting hardware alternatives and application flexibility. Utilizing OPC technology, DAQBench® accesses any hardware such as DAQ modules, PLCs, DMMs, etc. which has a corresponding OPC server. The built-in Tag Server communicates with OPC servers to gather and log data, update the user-interface, and generate alarms. DAQBench® also provides abundant graphical controls so you may develop a user-friendly SCADA/HMI application as shown in **Figure 2**.

1. **Real-time trend** - Automatically gather data from Tag Server and display the real-time data trend
2. **Historical trend** - Retrieve and display data from the Microsoft .JET database
3. **Alarm display** - Display alarm(s) issued from the Tag Server according to the specified conditions
4. **Ack button** - Acknowledge alarm(s) manually
5. **Data report** - Retrieve and display past data from database
6. **Alarm report** - Retrieve and display past alarm(s) from database
7. **Alarm reactor** - React when alarm(s) happen(s), behaviors including pop-up window, sending an e-mail, playing an audio file, and issuing a short message.
8. **Tag control** - Directly read/write the corresponding I/O point
9. **Equipment controls** - Industrial symbols for HMI interface
10. **User-interface controls** - Switch, knob, slide, 7-segment display.

Figure 2



Ordering Information

■ **DAQBench**
ActiveX Controls for Measurement and SCADA/HMI

DAQBench bundled free of charge when ordering any ADLINK DAQ Board.