

Software - EDR Enhanced

EDR Enhanced Software Development Kit Supplied FREE with all MicroDAQ Products



DESCRIPTION

The EDR Enhanced Software Development Kit is a powerful software package providing an easy interface to our data acquisition boards. It makes use of the latest COM technology providing support for the latest visual programming languages and third party packages.

The EDRE SDK is supplied with operating system drivers for all 32-bit Windows versions. It supports the most popular third party packages, including Labview, TestPoint and VEE Pro.

FEATURES

- Extensive ActiveX support for Windows
- Hardware abstraction software layer
- Modular design with Plug-and-play support
- Easy to learn and quick to implement
- Extensive range of examples

EDR Enhanced SDK for WindowsCE

This new software developer's kit provides the user with software support under the Windows CE operating system family (PocketPC, PocketPC2000, Windows CE and H/PC)

The user is able to develop applications using Embedded Visual C++ or Embedded Visual Basic. These applications can be used to communicate, via RS232 or RS485, to any of our Serial MicroDAQ products. Support is also featured for communication with our EDRE network server. This allows WinCE devices to connect to remote data acquisition points.

A control panel is also provided which gets installed on the WindowsCE device and allows for easy configuration and device management.

EDR Enhanced SDK for LINUX

Our new EDR Enhanced API for Linux includes support under Red Hat Linux 7.1 (version 8 is available on request). Included in this kit are drivers, an API, examples and documentation. The API is compatible with our Windows API, allowing cross-platform portability.

Functions supported include analog I/O, digital I/O, counter/timers and interrupts. Examples are provided to quickly learn the API calls.

All our Linux software is open source, therefore we provide source code for drivers and libraries.

Support For: All USB MicroDAQ Products



Architecture

EDR Enhanced has a Hardware Abstraction Layer (HAL) that makes it possible to run a single application on all Windows operating systems without recompiling it.

The EDRE application program interface is implemented in three layers of software. At lowest level there is a operating specific driver for each particular range of boards, the middle layer consist of a dynamic link library which contains the abstraction layer, and at the highest level there are unique ActiveX components to control each subsystem.

Documentation & Examples

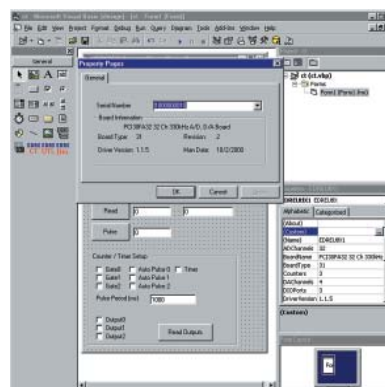
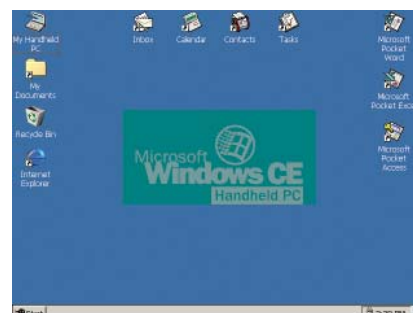
EDR Enhanced is supplied with a reference manual and a variety of examples. Examples serve as tutorials and basic starting application for programmers. The examples show how to implement the EDRE functions for each particular subsystem. Examples are also provided for a particular type of board. The EDRE examples cover all subsystems like Analog-In, Analog-Out, Digital I/O and Counters.

Operating Systems

- Windows 98/ME/NT/2000/XP
- Other operating systems are available on request

Programming Languages

- Visual C/C++ (32bit); Visual Basic (32bit); C++ Builder
- Visual Basic for Apps (Excel/Access/Power Point)
- Delphi 6



FEATURES

- Analog streaming
- Analog single read
- Analog configuration
- Digital I/O Write/Read
- Counter-Timer Write/Read
- Counter-Timer Configure
- Interrupt Event Monitoring
- Interrupt Event Configure

Software - EDR Enhanced

EDR Enhanced Software Development Kit Third Party Interface Driver Packages

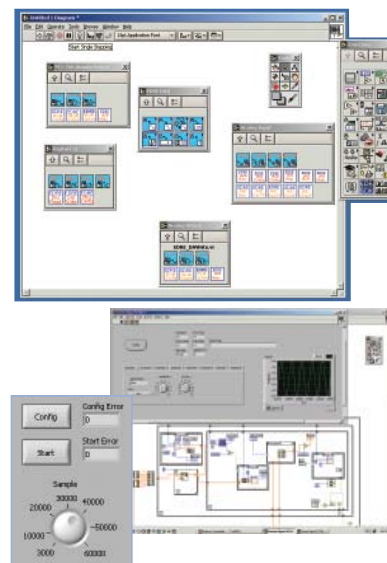


EDR Enhanced Labview

Labview™ has become the world's most popular software package for data acquisition users. We provide extensive support for our data acquisition products under Labview. These include VI's, examples and documentation. This combines Labview's powerful display and analysis tools with our excellent hardware.

- Interfaces to Labview 6.x & Labview 7
- Easy to use VI's
- NI plug-in compatible VI's for A/D, D/A & DIO Functions
- Supports all Win32 platforms
- Example VI's for analog input, analog output, digital input, digital output and temperature thermocouple/RTD input
- Configure channel parameters
- Multi-Device Support (such as USB / PCI / RS232 / Ethernet)

Support For: All USB, Serial & Wireless MicroDAQ Products

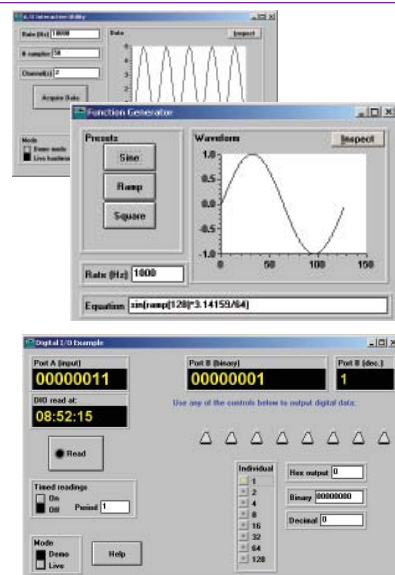


EDR Enhanced TestPoint

EDRE-Testpoint is an enhanced interface driver for CEC's TestPoint™ Data Acquisition Software Package (www.cec488.com). Testpoint™ is an easy to use software package for acquiring, analyzing and controlling data acquisition hardware. One can easily design one's own applications in its true object oriented development environment. No prior programming knowledge is required.

- Full 32-bit support for TestPoint™ version 4.01
- Easy to use A/D, DIO, Counter/Timer, D/A & Temperature functions
- Extensive configuration support for TestPoint
- Supports all Win32 platforms
- Auto driver scanning
- Examples provided

Support For: All USB, Serial & Wireless MicroDAQ Products



EDR Enhanced VEE

EDRE-VEE is an enhanced interface driver for Agilent Technologies VEE Data Acquisition Software Package. Agilent VEE™ is a graphical programming language optimized for building test and measurement applications, and programs with operator interfaces. It is an easy to use software package for acquiring, analyzing and controlling data acquisition hardware.

- Full support for Agilent VEE Pro™ & VEE OneLab™ version 6.01
- Easy to use A/D, DIO, Counter/Timer, D/A & Temperature functions
- Supports all Win32 platforms
- Examples provided
- Easy, Graphical Programming

Support For: All USB, Serial & Wireless MicroDAQ Products

