CONTENT, INSTALLATION AND USE OF EDI C/C++ 64BITS NATIVE PACKAGE FOR WINDOWS VISUAL STUDIO 2019

1. CONTENT OF EDI PACKAGE

The EDI package is delivered as zip file named "EDI-*n.nnx*-w64-vs2019-c.zip", where *n.nnx* is the version of the EDI package.
The content of this zip file is, once unzipped :

EDI-*n.nnx*\bin\w64: This directory contains special programs which must be used only by advanced user
EDI-*n.nnx*\doc : This directory contains different documentation needed to use EDI package.
EDI-*n.nnx*\driver : This directory contains the drivers needed to be installed when using a UltimET on Windows systems.
EDI-*n.nnx*\inc\crlf : This directory contains the header files containing the prototypes of all EDI function.
EDI-*n.nnx*\lib\w64\dll : This directory contains the dll of the EDI package. All EDI function will use these dll.
EDI-*n.nnx*\lib\w64\VisualStudio2019\c : This directory contains the libraries which must be linked with the user's application.
EDI-*nn.nx*\samples : This directory contains Visual Studio 2019 C/C++, Visual Studio 2019 C#, Visual Studio 2019 VB.NET and Visual Studio 2019 C for RTX samples using the EDI package. These samples are a good help to start with EDI package.

2. INSTALLING EDI PACKAGE

Unzip the "EDI-*n.nnx*-w64-vs2019-c.zip" file. You will get the following structure:

EDI-*n.nnx*\bin\w64
EDI-*n.nnx*\doc
EDI-*n.nnx*\driver
EDI-*n.nnx*\inc\crlf
EDI-*n.nnx*\lib\w64\dll
EDI-*n.nnx*\lib\w64\VisualStudio2019\c
EDI-*n.nnx*\sample

- The subdirectory *lib\w64\dll* must figurate in your PATH, or its content copied in the application running directory.
- Your application must *#include* the needed header files contained in *inc\crlf* subdirectory. Be aware that your application must be compiled with the option specifying the directory containing the header files. You can also copy the header files in the application source directory.
- Your application must be linked with the needed .lib files contained in *lib\w64\VisualStudio2019\c* subdirectory. Be aware that your application must be linked with the option specifying the directory containing the libraries. You can also copy the libraries in the application source directory.

3. USING EDI PACKAGE

If you are using a ULTIMET or USB devices please first install the specified drivers:

Using ULTIMET:
Please refer to EDI-*n.nnx*\doc\ULTIMET technotes.doc

Using USB ETEL devices:
Please refer to EDI-*n.nnx*\doc\USB technotes.doc

Go in EDI-*n.nnx*\samples\c\generic subdirectory. Choose sample1 project and adapt the line opening the communication ("dsa_open_u" function, url parameter) to fit your connected hardware. See comments preceding the line to know how to modify the function.

From EDI versions 4.10A, the pool of firmware MUST be present at runtime if you use:

- dmd_simulation_create(…) function
- System configuration functions
- Offline traductor functions
- Open DMY Simulation drive
- Dbgview40

4. LICENSING

EDI Windows version uses 7ZIP functionality, especially for System Configuration Management. 7z.exe and 7z.dll are piece of binary code, provided with EDI package. The source code can be found here: http://www.7-zip.org. These piece of program are subject to following licensing:

7-Zip License for use and distribution
7-Zip Copyright (C) 1999-2011 Igor Pavlov.
Licenses for files are:
1) 7z.dll: GNU LGPL + unRAR restriction
2) All other files: GNU LGPL
The GNU LGPL + unRAR restriction means that you must follow both GNU LGPL rules and unRAR restriction rules.
Note: You can use 7-Zip on any computer, including a computer in a commercial organization. You don't need to register or pay for 7-Zip.
GNU LGPL information: This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version. This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.
You can receive a copy of the GNU Lesser General Public License from http://www.gnu.org/unRAR restriction: The decompression engine for RAR archives was developed using source code of unRAR program. All copyrights to original unRAR code are owned by Alexander Roshal. The license for original unRAR code has the following restriction:
The unRAR sources cannot be used to re-create the RAR compression algorithm, which is proprietary.

Distribution of modified unRAR sources in separate form or as a part of other software is permitted, provided that it is clearly stated in the documentation and source comments that the code may not be used to develop a RAR (WinRAR) compatible archiver.
Igor Pavlov
