Uticor uWin, Tough Panel Programming Software README

This document provides complementary or late-breaking information to supplement the Programming Software documentation. It also documents changes to the PLC drivers, DLLs, and the Firmware.

August 18, 2010

Current Versions: uWin Version 1.5

System Requirements
Supported Operating System: Windows XP and later
*Please Note: uWin 1.5 does not support any Windows OS earlier than Win XP

Panel Firmware

ToughPanel firmware Revision:	**I_17_102** and higher
Tough Panel **Jr** firmware Revision:	**I_17_102** and higher
Tough SE Panel Firmware Revision:	**I_17_102** and higher
Tough CE Panel Firmware Revision:	**I.9.13** and higher

Panel Edit Software
Version 1.5, August 18,2010

Changes in uWin Version 1.5 (since 1.4):

1. The Ethernet IP driver has been enhanced to allow direct access to the Program Tags (structure, arrays, timers, counters etc.) without having to create aliases, saving a tremendous amount of programming time and effort. The user can also additionally access sub elements of Numeric and bit array Controller tags.

2. The K-sequence driver now gives you an option to change the byte order within a register to allow easier read and write of ASCII data.

3. The uWin software now supports the TPRLS option module in order to provide high speed, repeatable position based out puts, which are used for timing operations in high-speed machines.

4. ***Image related enhancements:***

   64K colors for all CE and 6" SE panels : AVG's 6"SE panels and all CE panels now additionally support 64K (16 bit per pixel) colors resulting in vivid and natural-looking images. The user can continue to import images in various image formats and color resolution, and the editor would automatically convert them to 64K color images.

   Support for storing images in 2 Colors: Users often need to import images that contain 2 colors only. AVG Panels now allow you to reproduce and save images in a new 2-color format. This conserves a lot of memory as compared to a 128 or 64K color image, especially when using a large number of bitmap objects and images in the project.

5. The user can now transfer a user program to SE or 4" Jr Panel (if equipped with USB port) from a USB flash drive. Several user programs can be stored on a single USB disk. This feature would especially benefit System Integrators and OEMs with upgrading the Panels on-site.

6. CE-based panels are now capable of retaining the alarm history after a power cycle, provided that a Compact flash card is present in the panel.

7. The Uticor Panels allow you to set your own custom messages that are displayed when an alarm is generated. The users now have an option of blinking the Alarm's text, background or both; hence providing a unique visual alert.

8. When Monitoring tag values online with the Panel, the user can now conveniently select the Polling Time as 250msec or 500msec, in addition to the pre-existing times (1 sec, 5 sec, 10 sec, 30 sec and 1 minute)

9. The PLC project transfer via Ethernet has been made compatible with Windows 7 Operating System.

10. Corrected possible future bugs while importing certain ControlLogix Tags from a *.csv file.

11. The program loader now allows the user to change or overwrite passwords for Password-protected projects.

Jan 20, 2010

Current Versions: uWin Version 1.4

System Requirements
Supported Operating System: Windows XP and later
*Please Note: uWin 1.4 does not support any Windows OS earlier than Win XP

Panel Firmware

ToughPanel firmware Revision: I.16 and higher
Tough Panel **Jr** firmware Revision: I.16 and higher
Tough SE Panel Firmware Revision: I.16 and higher
Tough CE Panel Firmware Revision: I.8 and higher

Panel Edit Software
Version 1.4, January 20,2010

Changes in uWin Version 1.4 (since 1.3):
1. Newly added a Global bitmap library for Bitmap objects as well as Animation objects. This allows the user to refer and use one bitmap with several different objects, thus saving a tremendous amount of memory.
2. Ensures that the OEM packager file only selects and allows the firmware upgrade that is compatible with its corresponding panel type.

3. The address range for Modicon Modbus (RTU protocol) driver has been increased from 1-1999 to 1-65535, thus allowing access to an expanded address base in the PLC.
4. Improved the PLC driver list by breaking it down into 2 separate drop down menus - PLC Manufacturer & Model
5. The editor now supports CTC_Binary Driver for CE Panels.
6. When Monitoring tag values online with the Panel, the user can now conveniently select from 5 different Polling times
7. The SE panels with USB ports can now be programmed with a USB stick. This would especially benefit System Integrators and OEMs with upgrading the Panels on-site.
8. Resolved the issue where the Global objects did not get copied while copying screens from one project to another.

Sept 18, 2009

uWin Version 1.3

Current Versions:

Panel Firmware

ToughPanel firmware Revision:	I.11
Tough Panel **Jr** firmware Revision:	I.11
Tough SE Panel Firmware Revision:	I.11

Panel Edit Software
Version 1.3, September 18, 2009

Changes in uWin Version 1.3 (since 1.2):
1. The editor ensures that the SE and JR panels have firmware revision I-11 or later.
2. The editor now ALWAYS clears user project before upgrading the panel firmware to leave the panel in a known state.
3. Removed seldom used Panel > update PLC driver menu item.
4. Added Remote Access and Data Acquisition tab for CE Panels under Set up →Panel Attributes.
5. Added help topics for Flex Report object and Global Flex Reports.

Aug 26, 2009

uWin Version 1.2:

Panel Firmware

ToughPanel firmware Revision:	I.11
Tough Panel **Jr** firmware Revision:	I.11

Tough SE Panel Firmware Revision: I.11   *(New touch panel Family)*

Panel Edit Software
Version 1.2, August 26, 2009

Changes in uWin Version 1.2 (since 1.1.29):

1. Version 1.2 provides support for a new family of touch panels: **the SE series**. Use ONLY Version 1.2 or later to program the SE series of panels.
2. All PLC drivers have been upgraded to work with the SE panels as well.
3. Fixed the potential issue with EZ PLC_TCP/IP driver where all the Tag Addresses would change to Internal Tags on Closing and re-opening of the project.
4. (New Object) Added Global Flex Report Tab under Setup → Global Objects.
5. (New Object) Added Flex Report Object.

JULY 17, 2009

Panel Firmware

Panel firmware Revision I.8
Panel Jr firmware Revision: I.9

Panel Edit Software
Version 1.1.29, July 17, 2009

Changes:

1. Added "Import Control Logix Tags from CSV file" feature.
2. Fixed the issue where some of the Bitmap Objects may crash the program loader.
3. Fixed the issue when going online and panel is connected to Uticor PLC having more than 4 Modules.

JUNE 24, 2009

Panel Edit Software
Version 1.1.29, June 24, 2009

Panel Firmware:
Firmware Files:
Touchpanel_Jr_I_9.hex

Changes since I.8:
1. Added support for integrated programming of Screens and ladder when used with AVG PLCs

Panel Edit Software:

Version 1.1.29

Changes:

1. Added Demo driver for Touch PLC devices.
2. Added support for Siemens driver in order for the 4'Panel to communicate to S7-200.Select Siemens S7-200(1PLC) driver from the drop-down menu
3. Added Applied motion driver
4. Added new Panel Families: SE series families.
5. Added a new object: Single Image-dynamic position
6. Fixed the Potential issue where changes made in the Ladder Logic Registers wouldn't get reflected in the message database (both offline and online).
7. Fixed the potential issue with copying screens from one project to another.
8. Fixed the potential issue where the Program loader may crash while using Modbus Master instruction.