Micrel Switch Configuration Software User Guide

Revision 1.0 June 2009

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Revision History

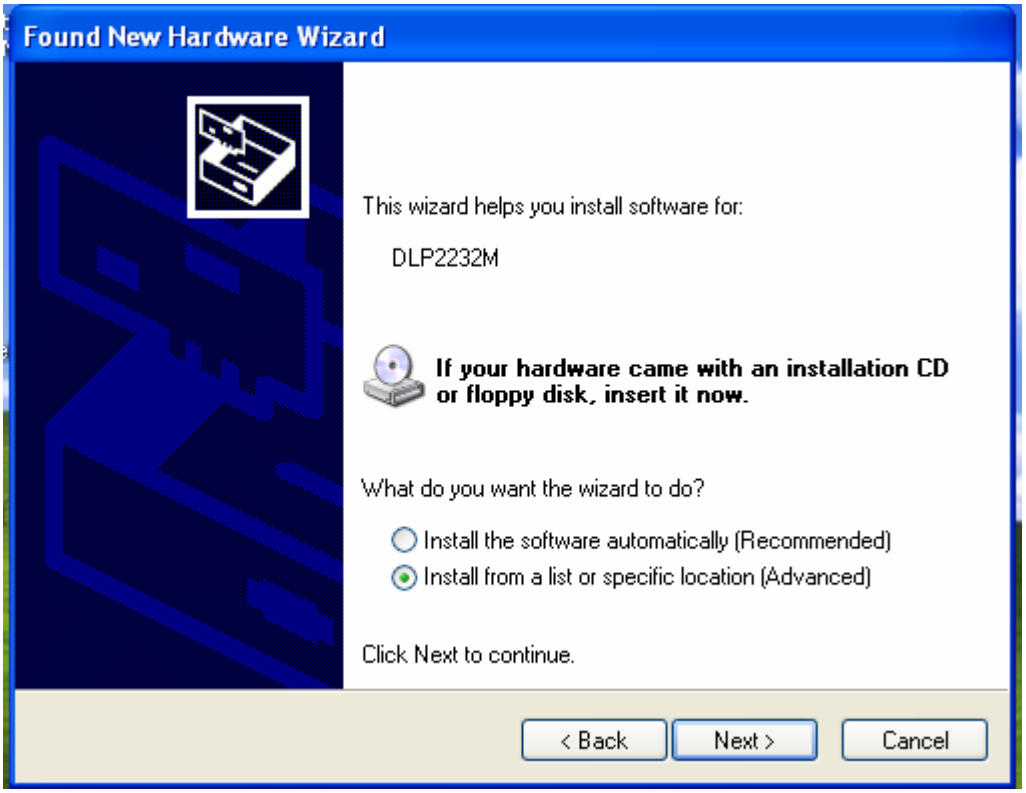
Revision	Date	Summary of Changes
1.0	06/30/09	Initial Release

General:
The application can use USB SPI interface to do Micrel multiple switch products configuration. The application also can use USB I2C interface to do Micrel multiple switch products EEPROM configuration.

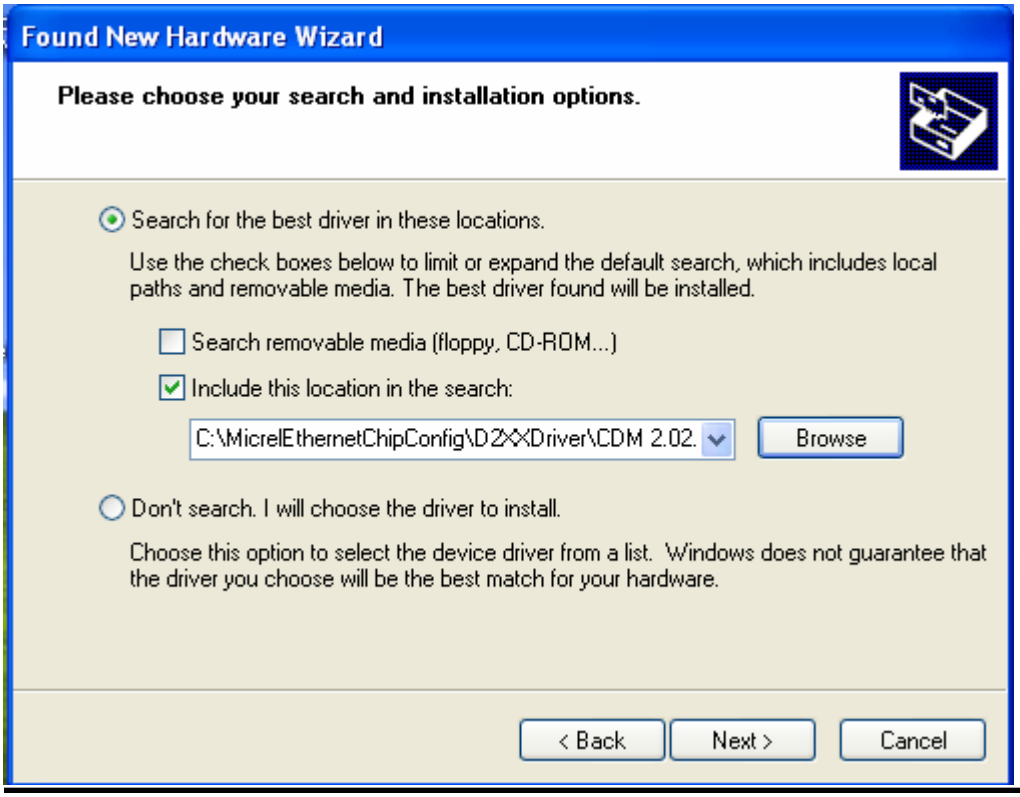
Install Application:
Run the MicrelSwitchConfigApp.msi file and following the default settings. The application and files will be copied to c:\ Micre\MicrelSwitchConfigApp directory.

Install Driver:
Step 1: Plug in the device USB cable. The window found new hardware window will pop-up

Step 2: Choose ‘No, not this time’ radio button and click the ‘Next’ button.



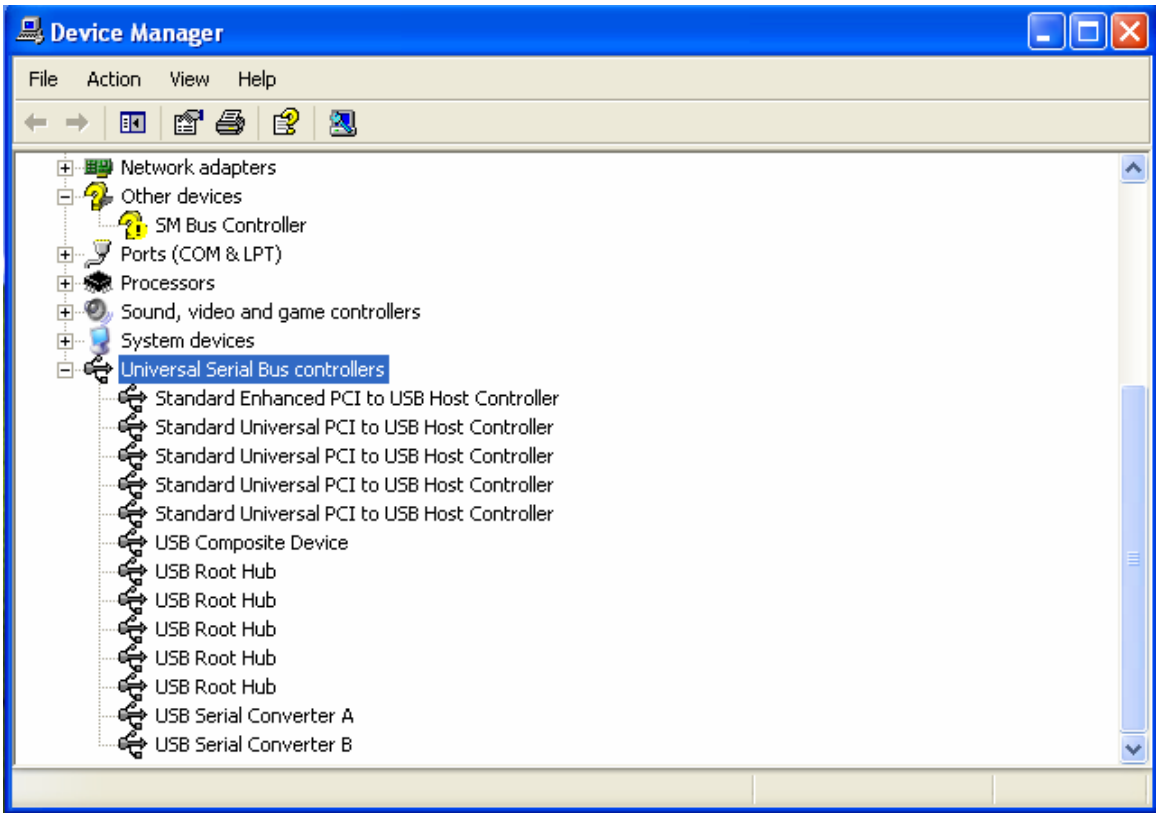
Step 3: Choose the 'Install from a list or specific location (Advanced)' radio button and click the 'Next' button.



Step 4: Click the 'Include this location in the search' check box, and use 'Browse' button to select the 'C:\ Micre\MicrelSwitchConfigApp\D2XXDriver\CDM 2.02.04 WHQL Certified' directory and click the 'Next' button. The window will install the drivers from this location.

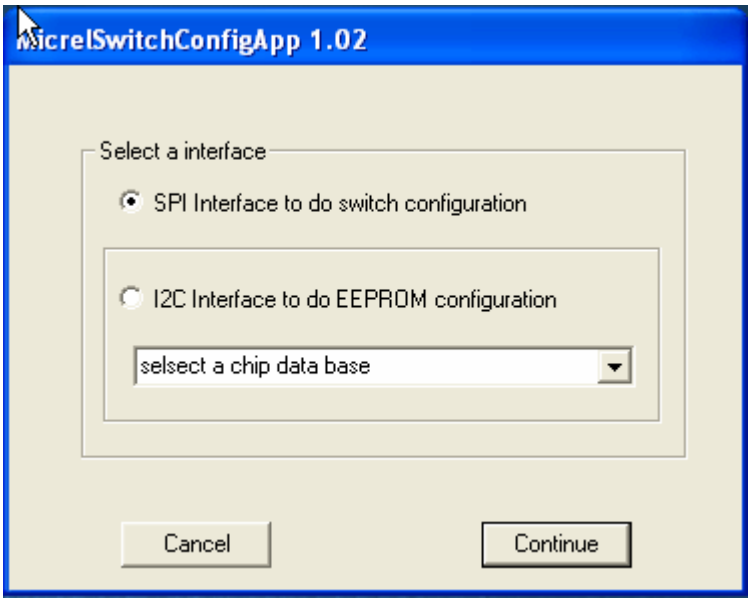
Step 5: Click 'Finish' button. The Window will install another driver called 'USB Serial Converter B'.

After the drivers installed, f Window Device Manager will show USB Serial Converter A' and USB Serial Converter B'.

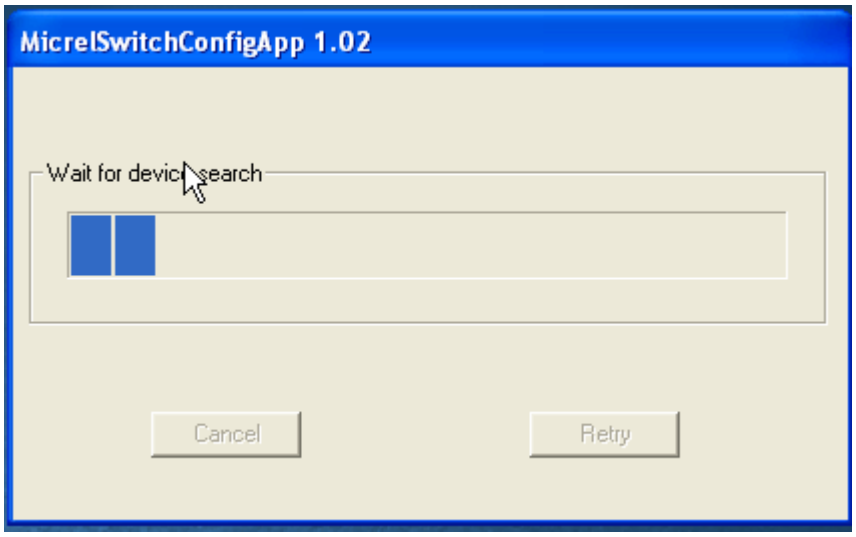


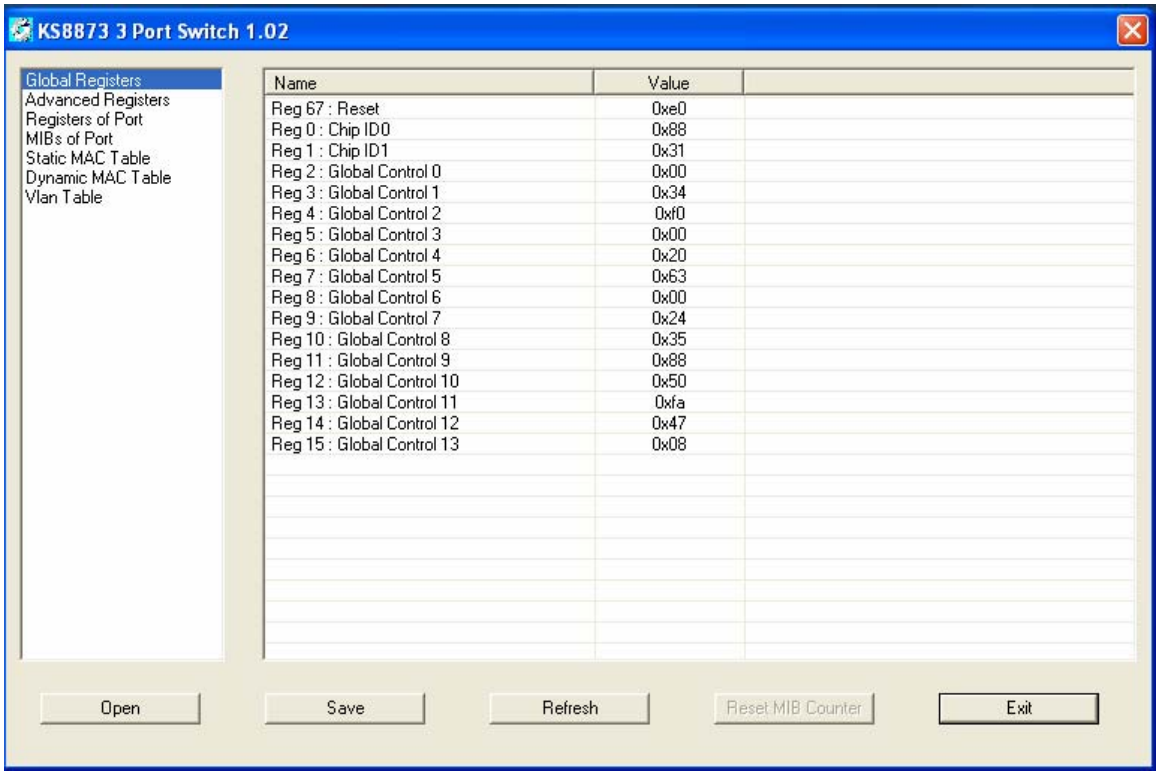
Run Application:
Run the MicrelSwitchConfigApp.exe from desktop icon

First UI is an interface selection dialog box.

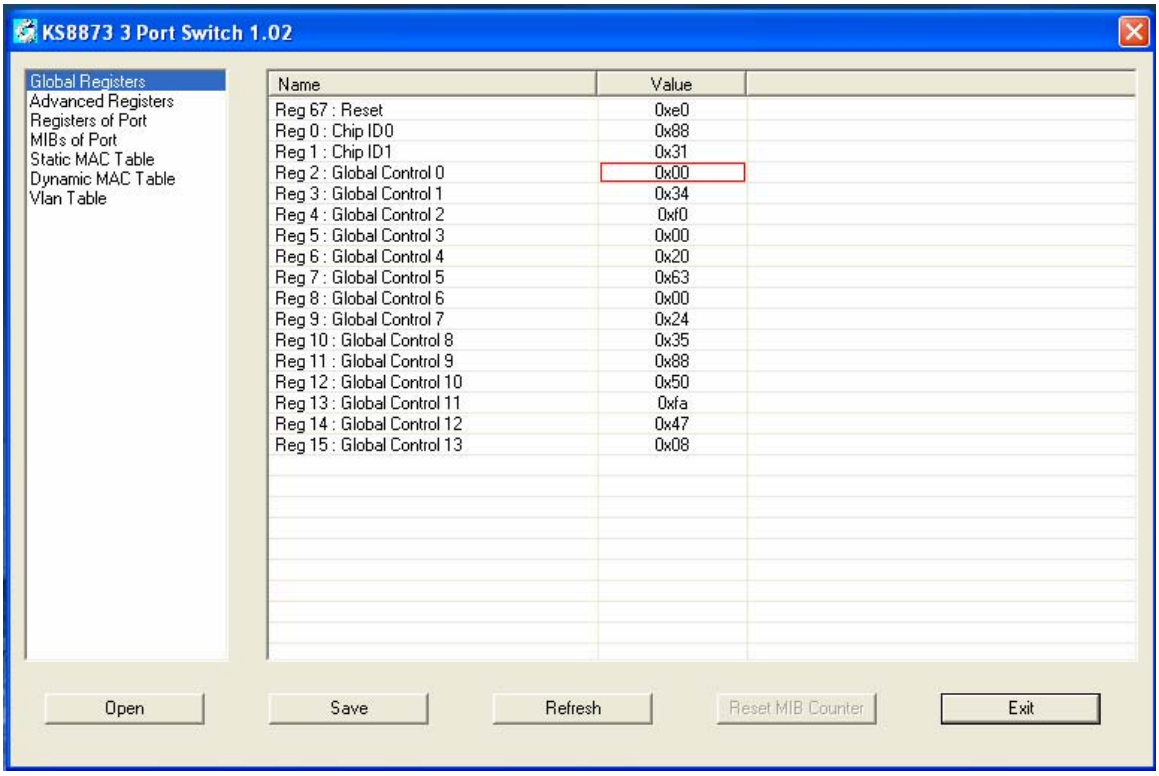


Selects SPI interface: the application will automatically search the switch product. If it finds a correct product ID, it will load all the current default settings of this product.

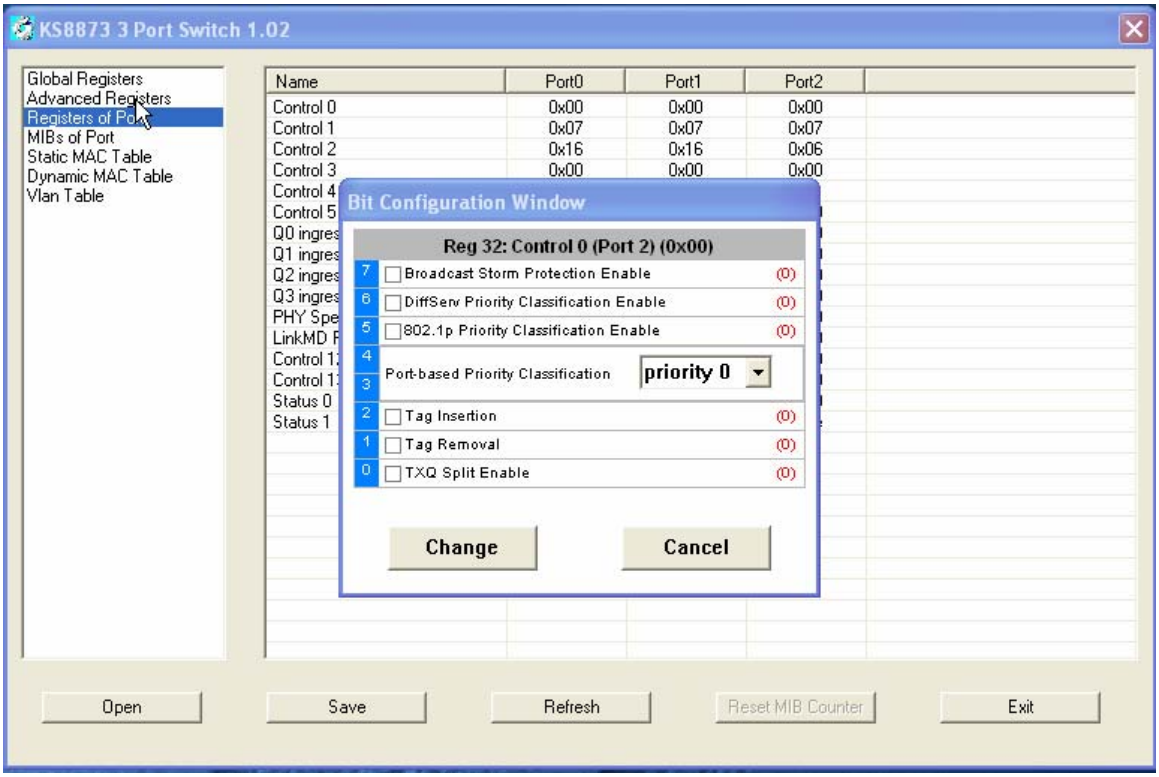




The left list box includes all groups of registers. The right list box includes all the registers in this group. If user clicks the value box of a register, a red box will show.



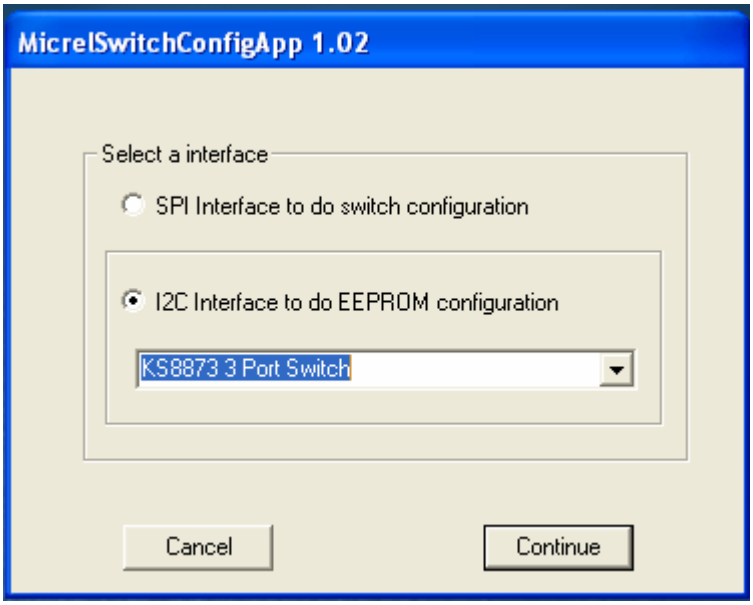
Double click this read box, a configuration window pop-up.

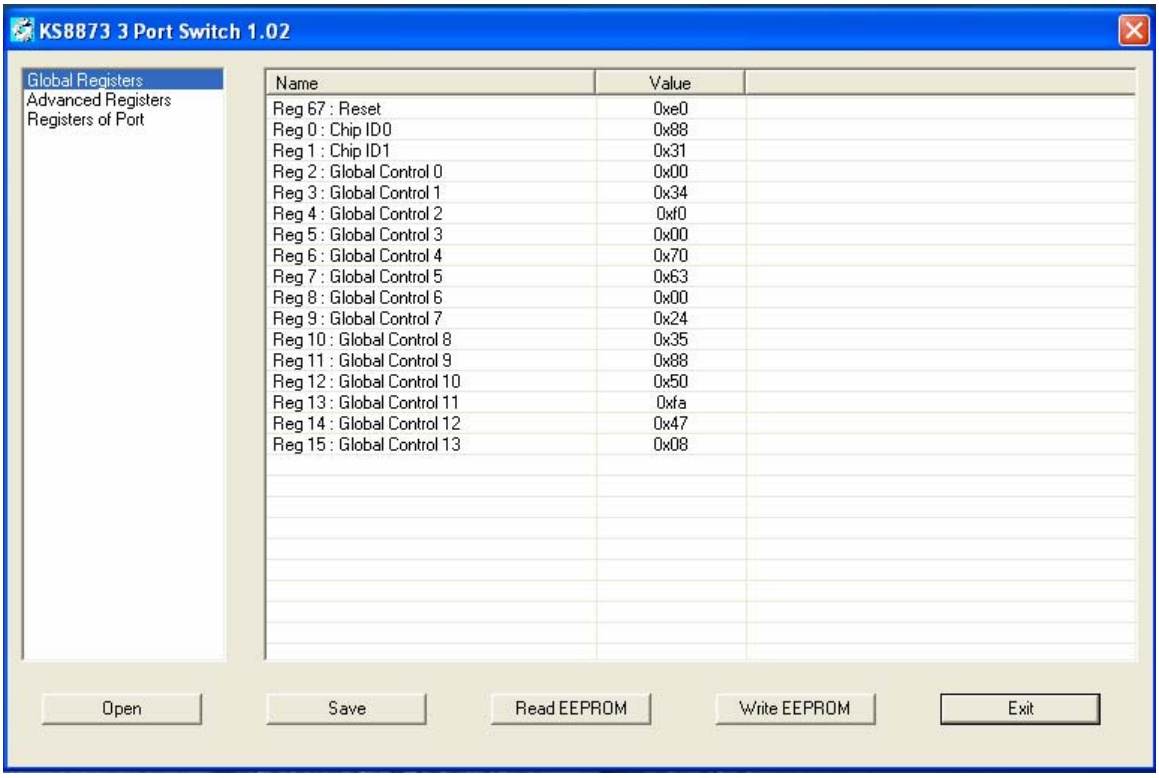


User can click the check box or select from pull-down menu to change the register setting.
If user clicks the 'Change' button, the new register value will be written into the register.

User can use 'Save' button to save the all registers settings into a '*.reg' file.
User can use 'Open' button to load a saved registers settings file, the all saved settings will be write to product registers.

Select I2C Interface: If user wants to do EEPROM configuration, I2C interface radio button should be selected. User also needs to select a product from pull-down menu. So this product's default value will be load into application.





All register settings change is same as SPI interface.

User can use ‘Save’ button to save current settings into a ‘*.rom’ file
User can load the saved settings into application by click ‘Open’ button.
User can write current settings into EEPROM by click the ‘Write EEPROM’ button.
User can load the EEPROM settings into application by click the ‘Read EEPROM’ button.