Lavida Fixture Tool v0.3

2012年12月12日
11:14

Environment: Python-2.7.3
3rd party library: Gtk-2.24.2, pyserial-2.6, ply-3.4, python-msp430-tool, cairo
Development Tools: Eclipse(PyDev)/Glade-3.8.1
Supported OS: Win7/Raspberry Pi - Debian (Only tested OS was list here)
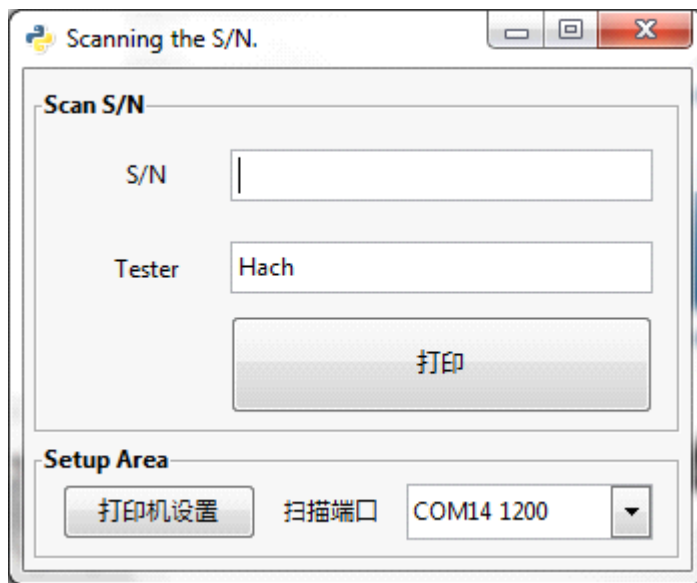
Function list:
1. Provide a standard input/output over UART protocol.
2. Support single command and multiple commands processing. For multiple commands, we provide a script interpretation and execution function.
   a. With *.cali script, the program will execute the command line by line.
   b. With *.bas script, the program has realized a BASIC parser using Lex&Yacc algorithm. (Check template.bas for detail)
3. Support auto check function to check the result from individual command or script execution by displaying with a colored button.
4. Support drawing certification document via printer (local printer, network printer or PDF conversion, depends on OS driver).
5. Support erase and download for MSP430 flash via Ti's FET430UIF (JTAG Interface).
6. Support multiple threading function to make sure the GUI is responsiveness all the time.
   a. Thread GTK is used for GUI maintains.
   b. Thread Receiving is used for receiving text from assigned UART port.
   c. Thread Plying is used for script interpretation and execution
   d. Thread Batching is used for execution of device related commands.
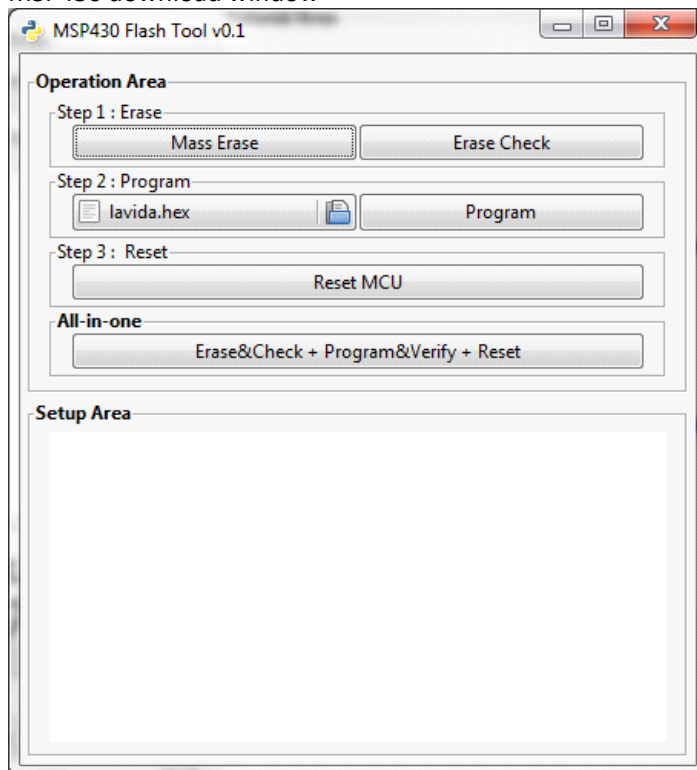

GUI demonstration:
1. Main window
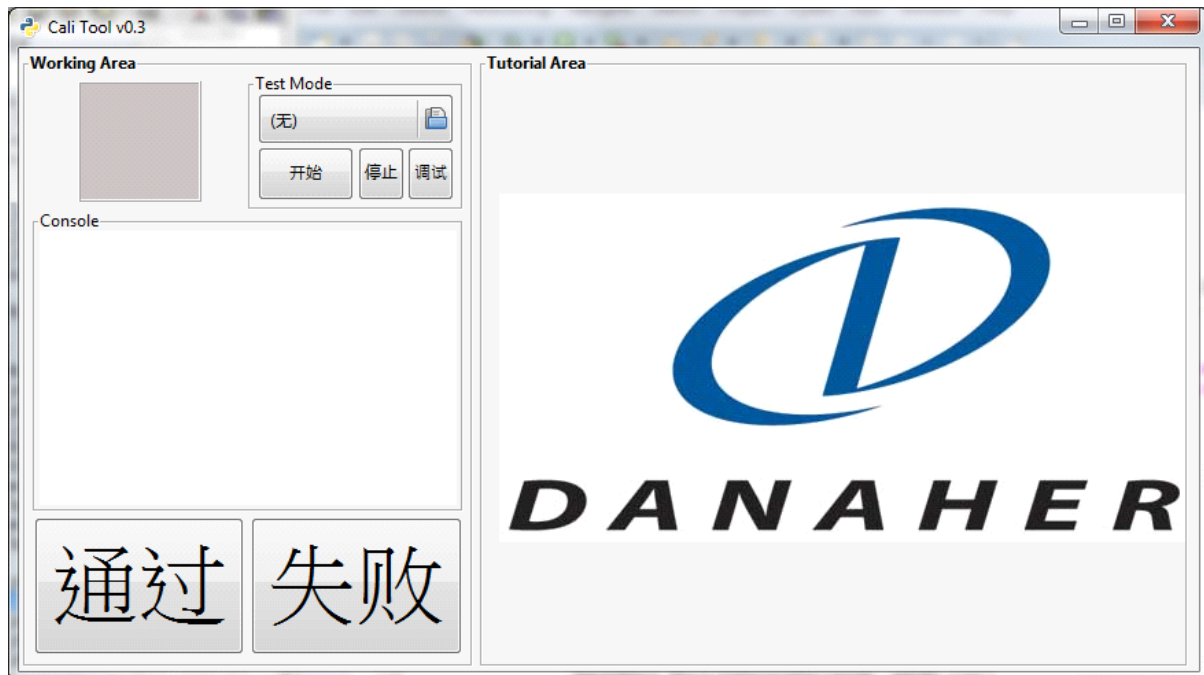

2. Bar code scan window

3. MSP430 download window

Cali Tool v0.3

2012年12月19日
8:52

Re-design the interface, and add a tutorial area.