

**FlexiSoft<sup>®</sup> HMI/PLC** Development Software Easy to use yet extremely powerful



# Features

- One software program for configuring any Renu HMI, PLC or combination HMI/PLC
- Common tag database for HMI and PLC programming
- Extensive set of communication drivers
- Program the built-in web server with HMI tools
- Powerful logic debugging tools

- Logic and HMI simulation
- Import HMI screens and logic blocks from other applications
- Import or export the tag database to a .CSV file
- Download and use the full featured version for FREE!
- ♦ FREE technical support
- No annual subscription charges

### **Common Features**

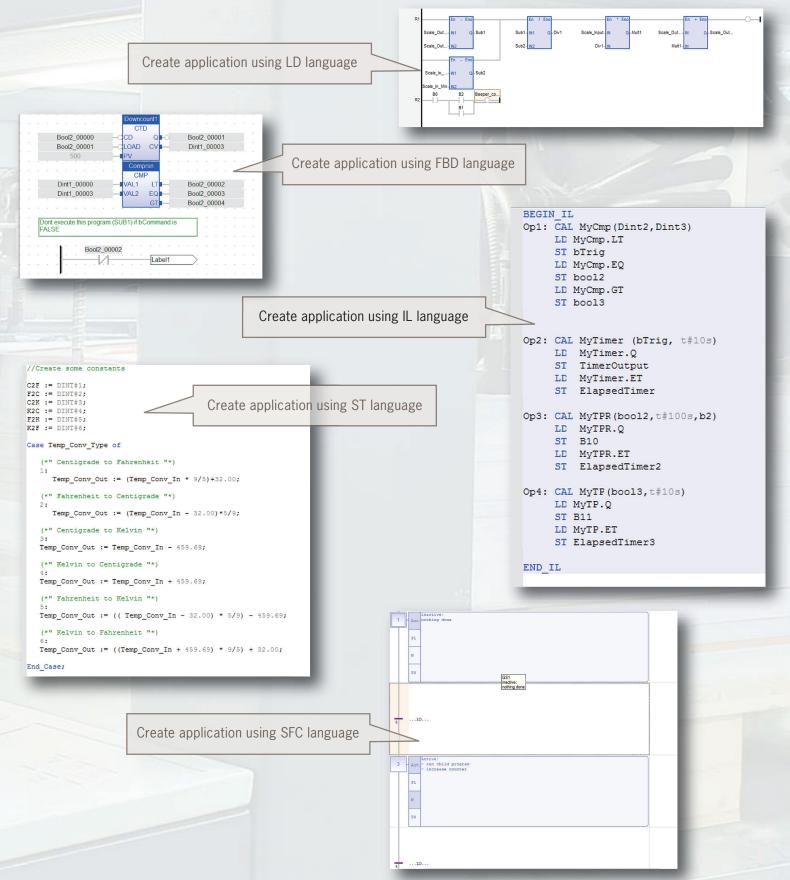
- One tag database for logic and HMI programming
- ♦ Up to 1,000 user tags can be power off retentive EEPROM
- ♦ 1,400 flash retentive tags
- Designate a power up value for tags
- Simulate both logic blocks and HMI screens in software
- Simulation allows you to force real input values
- Import and export screens, logic blocks and tags across applications
- ◆ Conversion tool to convert 3.5", 4.3", 7", 10.1" and 12.1" applications to another screensize
- ♦ Up to 45 Mb of application space
- Program download over USB, serial, Ethernet or USB. Programs can also be downloaded with a microSD HC card on models equipped with a microSD port

## HMII Software Capabilities

- Supports up to 9 languages and it includes a export/import tool for easier translations
- Landscape or Portrait orientation for graphical, touch screen HMIs
- Number of screens is limited by the available application memory
- ✦ Create screen templates for smaller applications and faster programming
- Apply multiple templates to a screen
- ♦ Up to 256 historical or real time alarms
- + Upload historical alarm file
- ♦ Log up to 120 tags with the built in data logger
- ✦ Declare up to 20 Mb of memory for data logging
- Log on a time basis or a tag event
- Download the data log to a USB memory stick
- Build your own pop-up screens and import them into other applications
- ✦ Built-in web server for devices with an Ethernet port
- Program the web server with HMI tools no HTML coding is required
- Java based web server updates only changed data it doesn't "push" the whole screen making it faster and it requires less data usage

## Logic Programming in IEC 61131

- Create multiple logic blocks to make program readability and maintenance easier
- ◆ Each logic block can be programmed in a different 61131 language
- + User Defined Function Blocks (UDFBs) allow you to create your own functions that can be used in other programs



## Communications

- + Large selection of communications protocols. Many more than those listed.
- + Each communications port can have a different protocol.
- + Communications are interrupt driven to minimize PLC scan time and screen update problems.
- PLCs and HMIs have the same set of drivers available
- Create your own ASCII driver. Use the wizard to define Start of Frame, End of Frame, checksums, and byte order formats.
- PLC communications are checked for each node on each port
- PLC values on the screens are updated only when they change
- Internal bits can be used to control when communications tasks are to be performed and report the success or failure of the communications transaction
- You can have two protocols running at the same time on your Ethernet port TCP/Modbus Server for your SCADA network and another Ethernet protocol for your LAN.

#### **Protocols Supported**

- ♦ ABB PLCs Serial
- ✦ Allen Bradley DF1
- Allen Bradley Compact
  Logix EIP scanner
- Allen Bradley EIP PCCC
- Panasonic (Aromat) FP PLCs
- ✦ Baldor
- Danfoss Drive
- Delta PLCs
- ♦ Fatek PLCs
- ✦ GE SNP
- ♦ GE SNP-X

Please contact us if the protocol you need is not listed

- + Idec
- ✦ LG Master K Series PLC
- ✦ LG Master K 300S
- Mitsubishi FX
- Mitsubishi Q (Serial & Ethernet)
- Modbus ASCII
- Modbus Enron Master
- Modbus RTU Master
- Modbus RTU Slave
- Modbus/TCP Client
- Modbus/TCP Server
- Omron Host Link

- Omron G9SP Safety
- Omron Inverter Memobus
- Serial Printers
- Siemens S7-300 & Step 7 Micro PLCs
- Siemens MicroMaster Drive (USS)
- Toshiba (Link Port)
- Toshiba Inverters
- Toshiba T Series
- Triangle Research
- Twido PLCs PLCs
- Unitelway PLCs
- Universal ASCII Driver (serial & Ethernet)

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Sales, Marketing and Technical Support for Renu products in North America

Phoenix Sales, Inc.