

Colway Solutions' offers lightweight Modbus Protocol Library available as C source code

The Colway Solutions Modbus Protocol Library allows users to buy only those Modbus function codes required for their project with a licensing program that matches requirements for embedding Modbus in a single product or a line of products.

October 15, 2010: A new automation company, Colway Solutions, Inc., has developed a lightweight Modbus Protocol Library, which is sold in the form of "C" Source Code.

The company's innovations focus on flexibility for the user: the ability to buy only those Modbus function codes required for the project and a licensing program that matches user requirements for embedding Modbus functionality in either a single product or a line of products.

This makes it extremely affordable and also saves memory space on devices.

The company aims to help customers and business partners achieve rapid porting and implementation of Modbus functionality. Colway Solution, Inc.'s products significantly reduce the time required to port and integrate Modbus functionality on to embedded devices, as memory management is no longer an issue.

In addition, Colway Solutions has introduced the concept of "semi-ports" for popular microcontrollers such as the 8051, ARM Core, Coldfire, etc. from vendors such as Silicon Labs, Texas Instruments, and Freescale. These are available free to customers at the time of ordering, and have pre-entered/pre-configured parameters and values that reduce the number of steps during porting. A typical implementation of this library with eight Modbus Function Codes is expected to consume less than 600 bytes of RAM and 7Kbytes of ROM.

Finally, customers can test their applications for Modbus compliance using the free downloadable Modbus Protocol Tester. The tester is also useful for long duration testing to check connection robustness and to stress test the application and devices by bombarding them with a series of Modbus messages.

About Colway Solutions

Colway Solutions is headquartered in India and can be found on the web at www.colwaysolutions.com.

Its first product is the Modbus Protocol Library written in C, and available for TCP/IP. Follow-on products are planned to include an RTU version of the popular protocol, and innovative devices that leverage the company's deep understanding of the Modbus protocol.