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Subject: Re: STermPro: Powerful Software Solution for Serial Port Monitoring and Control with Protocols

Posted by [Mindtraveller](#) on Thu, 12 Aug 2010 04:17:35 GMT

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koldo wrote on Wed, 11 August 2010 23:51

I have seen ctb library for serial communications is done with wxWidgets.

Do you know if there is any lighter library for building a wrapper for U++ on top of it?

You are not right in this case. ctb is a part of wxW project. But ctb doesn't use ANY wxWidgets code. It is completely standalone.

So I embed it into U++ without a single wxW header, just as is.

It's the most robust yet complete and cross-platform serial comms library I've ever met.

I use it for almost a year. I tested it in production apps and finally must admit it is good, efficient and works without bugs for me.

The only problem with it is that ctb is LGPL licensed.

Also, ctb is only a part of infrastructure for programming serial communications. It should also be asynchronous call methods (I solve it with MtAlt - very comfortable, we may discuss it if someone is interested). And also there must be protocols layer.

My 10-year experience with serial comms finally led me to a high-layered calls which support both async & protocol ways: `int io = Send(sensorPort, NULL, RECEIVE_TIMEOUT_NB3000, NULL, "modbus", 4,6,51,1);`

I found it the most convenient way to interact with devices.

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