PowerQUICC Modbus TCP Client Development Kit

Catalog No. 495MTC-12

Ethernet is no longer an option for Industrial Devices – ETHERNET IS A REQUIREMENT. Ethernet is the fastest growing segment of Industrial Networking for one reason – The Market (Your Customers) Loves Ethernet. And one of the most important Industrial Ethernet protocols is Modbus TCP™. Modbus TCP is an industry de facto standard because of its openness, simplicity and minimum hardware required to support it. It combines a versatile, scaleable, and ubiquitous physical network (Ethernet) with a universal networking standard (TCP/IP) and a vendor-neutral data representation to create a truly open, accessible network for exchange of industrial data.

You can now add Modbus TCP communications to your embedded product quickly and easily with the Modbus TCP Client development kit from Real Time Automation. Developed specifically for embedded applications you can have Modbus TCP communications in days not weeks, months or years. The development kit includes everything you need to implement your Modbus TCP solution; "no royalty", single task source code, a Modbus TCP Server tool, a ready-to-run sample application, complete documentation and much more.

When you get the Modbus TCP Client Development kit you get a product with thousands of hours of engineering time. Used in products like HMIs, flow controllers, barcode readers, valve controllers and many other industrial devices, this software package is reliable and thoroughly tested in demanding industrial applications.

FEATURES

- ✓ *Fully Compatible with PowerQUICC II Pro Processors*

- ✓ *Currently supported for Linux*

- ✓ *Green Hills Implementation under development (call for release information)*

- ✓ *Class 0/1 Client Implementation*

- ✓ *Easy-to-use Single Task Operation*

- ✓ *100% "C" based source code*

- ✓ *Full Compatible with many Programmable Controllers*

- ✓ *"No nonsense" Single Product Line licensing with no royalties*

- ✓ *Setup Server data transfers on an automation polling list*

- ✓ *Pass Through Operation for more sophisticated applications*

- ✓ *All standard Modbus TCP Function Codes Supported including:*

  - *3 – Read Holding Register*
  - *4 – Read Input Register*
  - *6 – Preset Single Register*
  - *16 – Preset Multiple Registers*
  - *23 – R/W Multiple Registers*

  - *1 – Read Coil Status*
  - *2 – Read Input Status*
  - *5 – Force Single Coil*
  - *7 – Read Exception Status*
  - *15 – Force Multiple Coils*

- ✓ *Support for up to 32 Client Connections*

- ✓ *Guaranteed to Pass Modbus-IDA Conformance Testing*

- ✓ *50+ Page Guide to Developing Modbus TCP Applications*

- ✓ *Ready-to-run, sample application that can be immediately compiled, downloaded and executed*

- ✓ *Other Optional Products and Services Include:*

  - *Onsite Training*
  - *End User Support*
  - *Modbus TCP Server Source Code*

For More Information and Pricing Contact:

> John Rinaldi
> Networking Program Manager
> Real Time Automation
> 1-800-249-1612
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> www.rtaautomation.com

Note: You can also get support for EtherNet/IP and Profinet IO on Freescale PowerQUICC.