

PowerQUICC Modbus TCP Server Development Kit



Catalog No. 495MTS-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 Freescale PowerQUICC Pro product quickly and easily with the Modbus TCP Server 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 Client tool, a ready-to-run sample application, complete documentation and much more.

When you get the Modbus TCP Server 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)
- ✓ Easy-to-use Single Task Implementation
- ✓ 100% “C” based source code
- ✓ Full Compatible with any Modbus TCP enabled Programmable Controller
- ✓ “No nonsense” Single Product Line licensing with no royalties
- ✓ Easily Extensible, Table-driven object model structure with predefined standard object definitions
- ✓ Setup Server data as Registers read & written by your application
- ✓ Pass Through Operation for more sophisticated applications
- ✓ All standard Modbus TCP Function Codes Supported including:
 - 3 – Read Holding Register
 - 4 – Read Input Register
 - 1 – Read Coil Status
 - 2 – Read Input Status

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- 6 – Preset Single Register
 - 16 – Preset Multiple Registers
 - 23 – R/W Multiple Registers
 - 5 – Force Single Coil
 - 7 – Read Exception Status
 - 15 – Force Multiple Coils
- ✓ Support for up to 32 Server 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 Client Source Code

For More Information and Pricing Contact:

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Note: You can also get support for [EtherNet/IP](#) and [Profinet IO](#) on Freescale PowerQUICC.

Real Time Automation (RTA) is a member of the Profibus Trade Organization (PTO), a member of the Open DeviceNet Vendor Association (ODVA), Modbus IDA and a Freescale Alliance Partner.

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