

PowerQUICC EtherNet/IP Server Development Kit



Catalog No. 499ES-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 the most important Industrial Ethernet protocol is EtherNet/IP™. EtherNet/IP is the Ethernet solution used in the Rockwell Automation architecture and the one GM is requiring for Robots, Welders and other automation devices.

You can now add EtherNet/IP Client communications to your PowerQUICC product quickly and easily with the EtherNet/IP development kit from Real Time Automation. Developed specifically for the PowerQUICC Pro Family and easily integrated with either Linux or Greenhills Operating Systems, you can have EtherNet/IP communications in days not weeks, months or years. The development kit includes everything you need to implement your EtherNet/IP solution; “no royalty”, single task source code, sample objects, an EtherNet/IP Client tool, a ready-to-run sample application, complete documentation and much more.

When you get the EtherNet/IP Server Development kit you get a product of over 3000 hours of engineering time. Used in everything from barcode readers to valve controllers to a 90-ton mining machine and HMIs, this software packages 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 Rockwell ControlLogix EtherNet/IP Communications Module
- ✓ “No nonsense” Single Product Line licensing with no royalties
- ✓ Easily Extensible, Table-driven object model structure with predefined standard object definitions
- ✓ All Required EtherNet/IP Objects are included:
 - Identity Object
 - Message Router Object
 - Connection Manager Object
 - Assembly Object
 - TCP/IP Object
 - EtherNet Link Object

- ✓ *Extensive Messaging Support including*
 - *Encapsulated Messages over UDP*
 - *UCMM Explicit Messaging*
 - *Connected Explicit Messaging*
 - *Point-to-Point I/O Messaging*
 - *Multicast I/O Messaging*
- ✓ *Easily integrated Vendor Objects using Vendor Object stubs*
- ✓ *Support for up to 32 Client Connections*
- ✓ *Customizable Input/Output Assemblies*
- ✓ *Fully Compatible with EtherNet/IP Conformance Test Ver A3.7.1*
- ✓ *Guaranteed to Pass ODVA Conformance Testing*
- ✓ *Complete Integration Guide for Developing EtherNet/IP Devices*
- ✓ *Ready-to-run, sample application that can be immediately compiled, downloaded and executed*
- ✓ *Electronic Data Sheet (EDS) Stub*
- ✓ *Optional "On Demand" Messaging Task for low latency transactions*
- ✓ *Optional "Legacy PLC" Messaging Module for legacy Allen-Bradley PLC Communications*
- ✓ *Other Optional Products and Services Include:*
 - *Industrial Ethernet Onsite Training*
 - *End User Support*
 - *Electronic Datasheet (EDS) File Development*
 - *EtherNet/IP Client Source Code*

For More Information and Pricing Contact:

John Rinaldi
EtherNet/IP Program Manager
Real Time Automation
1-800-249-1612
sales@rtaautomation.com
www.rtaautomation.com/ethernetip

Note: You can also get support for [Modbus TCP](#) 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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