Enable your customers to monitor your sensors from their desktop. The Rabbit Serial-to-Ethernet Kit provides the hardware and software necessary for sensors and other serial devices to communicate via a LAN or other network. The Multi-Port Serial-To-Ethernet Application Kit allows you to simultaneously connect several serial devices to a network. Implementation of the optional RabbitWeb software module makes it simple to web-enable your application to allow monitoring and control of serial devices via the Internet or Intranet. Other optional software modules help to secure your data through SSL and encryption. See the software matrix on the other side for options.

The Multi-Port Serial-to-Ethernet Kit uses several sample application programs to guide you through serial to Ethernet conversion. Powered by the RCM3700 RabbitCore, the Kit also includes a prototyping board, the Dynamic C development environment including a royalty-free TCP/IP stack with source code, sample applications, temperature sensor demoboard, required cables, and assorted accessories. The sample applications highlight functionality such as RS-232 to Ethernet conversion, RS-485 to Ethernet conversion, Ethernet to Serial Conversion, data gathering from serial devices such as the included temperature sensor demoboard and a digital voltmeter (not included), and web-enabling applications. A coupon good for a discount on the RabbitWeb software module is included with the application kit.

Features

- Serial to Ethernet applications for:
  - Digital Volt Meter and temperature sensor reader
  - Binary & hexadecimal ASCII
- Configuration menu system
- Royalty-free TCP/IP stack with source code

Design Advantages

- 3 Step setup
- Minimal Ethernet experience required
- Software compatible with other Rabbit-based products

Designing with RabbitCores

The RabbitCore family of microprocessor core modules is designed to facilitate rapid development and implementation of embedded systems. RabbitCores are powered by high-performance 8-bit Rabbit microprocessors with extensive integrated features and a C-friendly instruction set designed for use with the Dynamic C development system. The RabbitCore mounts on a user-designed motherboard and acts as the controlling microprocessor for the user's system. Small in size but packed with powerful features, these core modules give designers a complete package for control and communication. The integrated Ethernet port frees designers from the limitations of serial-port communications and control and permits instant local or worldwide connectivity using low-cost networking hardware. Embedded systems using the Ethernet RabbitCore module can be controlled and monitored (as well as programmed and debugged when using appropriate accessory hardware) across any network or the Internet.

Programming the RCM3700

Programs are developed using our industry-proven Dynamic C software development system. An extensive library of drivers and sample programs is provided, along with royalty-free TCP/IP stack with source.

Multi-Port Serial-To-Ethernet Application Kit Specifications

Feature	Multi-Port Serial-To-Ethernet 2 Application Kit
Core Module	RCM3700
Prototyping Board	Standard RCM3700 Prototyping Board
Ethernet	10Base-T, RJ-45
Serial Ports	2 RS-232 1 RS-232/RS-485 via demo board Software support for up to six serial ports
Cables	10-pin → DB9F temperature demo board conversion cable 10-pin → DB9M PC Conversion Cable Ethernet Crossover Cable Programming Cable
Software Compiler	Dynamic C – TCP/IP stack
Software Library	Serial-To-Ethernet libraries functions on supplemental CD
Sample Programs Functionality	Serial-To-Ethernet RS-232 Serial-To-Ethernet RS-485 Temperature Sensor and Digital Volt Meter Ethernet examples User programmable serial filter Menu Configuration Sample Program
Manuals	Getting Started Sheet Serial-To-Ethernet Application Notes Sample Programs and libraries RCM3700 User Manual
Multi-Port Serial-To-Ethernet Kit Part Number	$399 101-1005

Dynamic C 9 Compatible Modules

Description	Web Download qty. 1	Shipped CD qty. 1
AES Module. Part Number	$149 101-0646	$159 101-0658
PPP Module. Part Number	$149 101-0983	$159 101-0978
RabbitWeb Module. Part Number	$149 101-0910	$159 101-0900
SNMP Module. Part Number	$149 101-0982	$159 101-0977
Fat File Module. Part Number RCM3300 and RCM3700 only.	$149 101-0984	$159 101-0979
SSL Module. Part Number *Encrypted Source Code* RCM3300 and RCM3700 only.	$289 101-0895	$299 101-0896

www.rabbitsemiconductor.com

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