GPRS/GSM Application Kit

This Kit provides all the tools necessary to sample and develop applications that combine a Rabbit-based control device with a GPRS/GSM node. The literature and sample programs allow for a device connected to the cellular network to send SMS (text) messages to a RabbitCore module (RCM) that can interpret messages as commands and in turn execute control function. The RCM can also send/receive GPRS e-mail wirelessly and TCP and IP. 512K SRAM device or cell phone.

Highlights: • Hardware/Software for wireless RCM communication and control via GPRS/GSM • Entrola® Spider SA-GL Quad Band wireless modem and antenna • GUI and Keyboard configuration menu system • Royalty-free TCP/IP stack in source code • Sample program/libraries for generic modem operation • Fully integrated development software: compiler, editor and debugger for control applications

316-1063-ND (101-0948) ........................................ $649.00

NEW! Wireless Control Application Kit

The Wireless Control Application Kit provides a reference to interface a license-free 900MHz or 2.4GHz wireless data module to a new or existing Rabbit-based embedded system. Features: • Low power LP3500 with Low-EMI Rabbit®3000 microcontroller • Up to 512k each of Flash and SRAM • 26 industrialized digital I/O • ADD inputs and PWM outputs • 6 serial ports, one relay • 2 dedicated function ports for easy connection to Serial Flash, keypad/display and other devices • Two MaxStream® license-free RF Modules, FCC approved • Complete software libraries and samples

316-1132-ND (101-1165) ....................................... $472.88

NEW! RCM4510W RabbitCore Development Kit

The RCM4510W RabbitCore module mounts directly on a user-designed motherboard and acts as the controlling microprocessor for the embedded system. The motherboard supplies power to the RCM4510W and allows many different CMOS-compatible devices to interface with the core module. Integrated on the RCM4510W is a DigRF® XBand ZN1 2.5 RF module for Zigbee/802-15-4 embedded implementation. Features: • RabbitCore module running @ 29.49MHz • Designated for use with Zigbee/802-15.4 wireless connectivity • 512k flash memory, 512k data SRAM • Up to 40 general-purpose I/O lines configurable • Up to 9 additional general-purpose I/O lines (up to 4 of which may be set as analog inputs) available through the on-board 28-pin header • 2 dedicated function ports • Small size: 1.84” x 2.85” x 0.54” (47mm x 72mm x 14mm)

316-1135-ND (101-1188) Development Kit .................................................. $236.44
316-1144-ND (20-101-1207) ...................................... $74.70

NEW! RCM3900 RabbitCore Development Kit

• A Development Kit provides the essentials that you need to design your own microprocessor-based system, and includes a complete Dynamic C software development environment. The Development Kit also contains a Prototyping Board that will allow you to evaluate the RCM3900 module and to prototype circuits that interface to the module.

316-1137-ND (101-1226) ........................................ $328.18

Rabbit Cloning Board

The Rabbit Cloning Board copies designated portions of flash memory from one Rabbit-based controller (the master) to another (the clone). Dynamic C version 6.50 or later is needed to use the cloning board.

Benefits: • The Rabbit Cloning Board replaces a PC or EPROM burner as the primary tool to load programs, thus reducing costs and workspace • Programs may be loaded onto blank, soldered on flash devices • High-speed transfers at 57,600 bps or 110,200 bps • Higher-speed data transfer of up to 921,600 bps starting with Dynamic C version 7.55 • Ideal for low-volume cloning production

NEW! RCM3000A Microprocessor

Programming the RCM3000A: Microprocessor hardware and software development is easy for Rabbit users. The RCM3000A is programmed using the industry-standard Dynamic C® embedded software development system from sister division Z-World.

Key Features: • Low-EMI typically <10 dBv/m @ 3m • Ultra-low power modes: 1.8V, 3.6V (5V tolerant I/O) • 55.9MHz clock speed • 56 digital I/O • 6 serial ports supporting I2C and AllByte (4 of which support SPI; 2 support SDLC/HDLC) • Pulse capture and measurement • Quadrature encoder inputs • PWM outputs

Description DIGI-Key Part No. Price Each Rabbit Part No. Description DIGI-Key Part No. Price Each Rabbit Part No.
Rabbit 3000A 55.9MHz, 128K/256K 316-1061-ND 14.50 13.13 12.50 20-668-0011
Rabbit 3000A 55.9MHz, 128K/256K 316-1061-ND 14.50 13.13 12.50 20-668-0011

RabitCore™ Application Development Kits

This Kit provides all of the hardware and software necessary to develop a Bluetooth application, including an RCM3100, embedded Zigbee/802.11b/g wireless radio module, prototyping board and miscellaneous cables and hardware. This kit also includes the Dynamic C Integrated Development Environment, Bluetooth drivers, libraries, sample programs and manuals. Features: • Bluetooth radio modules plug directly into supported RCMs and SBCs • Simple serial UART communications and control • Seamless connectivity with any Bluetooth device • 2.4GHz FHSS (Frequency Hopping Spread Spectrum) technology ensures high reliability and is robust to interference • Low current consumption for long battery life • Complete with sample programs and source code • Internal Surface-mount antenna

316-1072-ND (101-1040) Application Kit ............................................... $399.00
316-1073-ND (101-1042) Add-On Kit ...................................................... $99.00

Bluetooth Application/Add On Kits

The RCM5400W RabbitCore module series provides Wi-Fi/802.11b/g functionality, enabling you to create low-cost, embedded control and communications solutions for embedded control applications.

Features: • Rabbit®3000 running at 73.73MHz • Up to 2MB of serial flash • 39 lines of digital I/O • Integrated IEEE 802.11.b/g WiFi • Up to 6 serial ports • Small size: 1.84” x 2.85” x 0.54” (47mm x 72mm x 13mm)

316-1138-ND (101-1262) Development Kit ........................................... $243.75
316-1148-ND (20-101-1246) ...................................................... $102.71
316-1149-ND (20-101-1247) ...................................................... $112.50

NEW! RCM4400W RF Wi-Fi Development Kit

• The kit includes a RCM4400 core module with a miniEDT® card, a prototyping board, accessories, and development tools to get you up and running quickly. Along with our industry-proven Dynamic C® integrated development software — incorporating an editor, compiler, and in-circuit debugger — there is also the FAT file system familiar to many programmers, RabbitWeb for creating HTML web pages, and Rabbit’s Secure Socket Layer (SSL) utility.

316-1133-ND (101-1173) Development Kit ............................................. $263.44
316-1143-ND (20-101-1202) ...................................................... $102.71
316-1147-ND (20-101-1221) ...................................................... $102.71

NEW! RCM3400 RabbitCore Development Kit

The RCM3400 RabbitCore Development Kit includes an RCM3400 microcontroller, Flash, SRAM, Ethernet hardware, a prototyping board, complete Dynamic C SE software development system (not a trial version) with TCP/IP stack and documentation on CD-ROM, power supply and serial cable for programming and debugging.

316-1134-ND (101-1177) Development Kit ............................................. $263.44
316-1141-ND (20-101-1138) ...................................................... $97.21
316-1142-ND (20-101-1139) ...................................................... $84.21

RabbitCore Application Development Kits

Overview: • Glueless memory and I/O interface • Direct support for 1MB code/data space (up to 6MB with glueless interface) • Battery-backable real-time clock • Watchdog timer • Remote boot/program • Slave port interface

Design Advantages: • Extensive Ethernet/Internet support and royalty-free TCP/IP stack with source and sample programs • Dynamic C® development environment for real-time development and debugging • Exceptionally fast performance for math, logic and I/O

Description DIGI-Key Part No. Price Each Rabbit Part No. Description DIGI-Key Part No. Price Each Rabbit Part No.

Rabbit 3000A/RCM3000 Development Kit 316-1061-ND (101-0923) Only $299.00

The Rabbit 3000A/RCM3000 Development Kit includes an RCM3000 Ethernet core module with Rabbit 3000A microcontroller, Flash, SRAM, Ethernet hardware, a prototyping board, complete Dynamic C SE software development system (not a trial version) with TCP/IP stack and documentation on CD-ROM, power supply and serial cable for programming and debugging.

RabbitCore Wi-Fi Add On Kit

The Wi-Fi Add On Kit includes Intersoper Board (boards are not interchangeable between RCMs with different footprints, CompactFlash Wi-Fi Board), LinkSys Wi-Fi CompactFlash Card, 20-pin to 20-pin IDC header connection ribbon cable, 10-pin IDC header to DE9 serial cable. Sample Programs and software required specifically to the Wi-Fi Add-Ons kit on CD. Dynamic C upgrade to 9.21 or higher on CD, Getting Started instruction and Miscellaneous connection and mounting hardware including standoffs, if necessary

316-1067-ND (101-0998) Only $199.00

~ Exclusive Preview ~
New Product Available Now!