



Jackrabbit™ Low-Cost Single-Board Computer



Model BL1800:

• **Board Size:** 2.50" x 3.50" x 0.94" (64mm x 89mm x 24mm) • **Input Voltage:** 8VDC - 40VDC, switching regulator, 49 mA typical at 24VDC • **General Purpose I/O:** 14 bi-directional, 6 inputs, 4 outputs (CMOS compatible) • **High Power Outputs:** 3 sinking (1 Ams) and 1 sourcing (500mA) • **1 Analog Input:** 9-bit resolution, 8-bit accuracy, 0.1V - 2.8V input range, 75ms typical acquisition time • **2 Analog Outputs:** Filtered/buffered PWM outputs • **Processor:** Rabbit 2000, clock, 29.5MHz • **Memory:** SRAM 128K, flash 256K • **Timers:** Five 8-bit cascaded timers, one 10-bit timer with 2 match registers • **Serial Ports:** (2) RS-232 (or one with CTS/RTS) rated at 1KV ESD, (1) RS-485 rated at 15KV ESD, (1) 5V CMOS compatible (programming port), 2 serial ports can be clocked • **Serial Rate:** Selectable baud rates up to 115,200 bps

(RS-232), 230,400 bps (RS-485), 5 Volt CMOS compatible port up to 7.37Mbps • **Additional Features:** watchdog/supervisor, time/date clock, and backup battery

Model BL1810:

Same as BL1800, except with 14.7MHz clock, 128K flash, linear regulator (7.5-25V), 3 sinking (200mA) and 1 sourcing (100mA) high-voltage outputs, and CMOS port baud rate of 3.69Mbps.

Model BL1820:

Same as BL1810, except with no battery backup, (2) RS-232 and (2) 5V CMOS compatible (programming port)

Description	Digi-Key Part No.	Price Each	Rabbit Part No.
Model BL1800	316-1079-ND	99.00	20-101-0356
Model BL1810	316-1080-ND	69.00	20-101-0357
Model BL1820	316-1081-ND	49.00	20-101-0358

Jackrabbit™ Development Kit
Digi-Key Part No. 316-1000-ND (101-0363) Only \$139.00
 Includes Jackrabbit BL1810, manual, schematics, AC adapter, prototyping board, programming cable, documentation on CD ROM, additional parts, and complete Dynamic C SE software development system (not a trial version).

Low-Cost Single-Board Computer

Features:

• Rabbit 3000® microprocessor operating at up to 7.4MHz • 512K static RAM and 512K flash memory options • 26 Digital I/O: 16 protected digital inputs and 10 high-current digital outputs • 8 Single-ended or 4 differential analog channels with Vcc monitoring option: 11-bit single-ended or 12-bit differential channels • 3 PWM outputs • Six serial ports • Battery-backed real-time clock • Watchdog supervisor

The LP3500 can be mounted to a panel or on a plastic-enclosure base.

Description	Digi-Key Part No.	Price Each	Rabbit Part No.
Fox Tool Kit for 3500	316-1056-ND	200.00	101-0529
LP3500 Fox	316-1115-ND	199.00	20-101-0525

◆ **RoHS Compliant**

Interface OP7200 with Touchscreen

Features:

• Small Size: 4.4" x 5.7" x 1.7" (112mm x 144mm x 43mm) • 1/4 VGA LCM display (320 x 240 pixels) with white LED backlight • 9-key keypad • LCD controller and SRAM compatible with OP7100 • 4 Status LED's • 24 Digital I/O • Rabbit 2000® microprocessor operating at 22.1MHz • Audible alarm buzzer • 128K static RAM and 256K flash memory standard • One RJ-45 Ethernet port • Four serial ports • On-board backup battery • Watchdog • External reset input • Meets NEMA 4 watertightness specifications when front-panel mounted

Description	Digi-Key Part No.	Price Each	Rabbit Part No.
Model OP7200 with Touchscreen	316-1059-ND	449.00	101-0535
20" Cable for Panel Mount			
Keyboard/display	316-1052-ND	15.00	540-0066
OP7200 Tool Kit	316-1057-ND	200.00	101-0543

Interface OP6800 with Ethernet Port

Features:

• 122 x 32 Graphic display • 7-key keypad • 7 LED's • 24 Digital I/O • Rabbit 2000® microprocessor at 22.1MHz • 128K static RAM and 256K flash memory • One RJ-45 Ethernet port • Four serial ports • Battery-backable real-time clock, battery included • Watchdog • Reset generator • Meets NEMA 4 watertightness specifications when front-panel mounted

Description	Digi-Key Part No.	Price Each	Rabbit Part No.
Model OP6800 with Ethernet Port	316-1060-ND	249.00	101-0492

RabbitCore™ Application Development Kits

Wi-Fi Application Kit

• Jumpstart your wireless application design with a complete application kit. Integrating Wi-Fi (IEEE 802.11b) with a RabbitCore™ Development Kit, embedded system integrators can now enable a wireless embedded system. Wireless connectivity eliminates Ethernet cables allowing for greater flexibility and mobility of wireless embedded Networks. **Includes:** • Linksys Wi-Fi card • RCM3100 microprocessor core module • Prototyping board • Dynamic C development system and complete documentation on CD-ROM • Serial cable for programming and debugging • 10-pin DB15 Conversion Cable • Manuals • AC adapter (U.S./Canada only)

316-1039-ND (101-0911) \$599.00

Machine to Machine Kit

• Jumpstart your M2M application design with a complete application kit. **Includes:** • Wavecom Fastrack Modem • Device antenna • RCM3200 microprocessor core module • Prototyping board • Dynamic C development system and complete documentation on CD-ROM • Serial cable for programming and debugging • 10-pin DB15 Conversion Cable • Ethernet Crossover Cable • Manuals • AC adapter (U.S./Canada only)

316-1040-ND (101-0721) \$699.00

Secure Embedded Web Kit

As more embedded applications feature access via the Internet, secure transmission of data is growing increasingly critical. The Secure Embedded Web Application Kit provides optimized software development tools to easily build secure web interfaces for your new and existing applications. Built around the RCM3700 RabbitCore powered by the Rabbit3000 microprocessor, the Secure Embedded Web Application Kit offers Secure Socket Layer (SSL), which implements a 128-bit lock and key solution to encrypt data transfers. **Includes:** • RCM3700 microprocessor core module • Development board with prototyping area • Dynamic C development system and complete documentation on CD-ROM • SSL • RabbitWeb • FAT file system • Serial cable for programming and debugging • Getting Started manual • AC adapter (U.S./Canada only)

316-1041-ND (101-0897) \$752.61

Serial to Ethernet Kit

Designers now have a Serial-to-Ethernet Application Kit that is easy to use. The simple 3-Step Setup for transmitting data from a digital volt meter via a serial port to a TCP/IP stream enables even the newest user to quickly develop a Serial-to-Ethernet application. The kit features digital volt meter software libraries, sample programs and a menuing system, in addition to the Dynamic C® integrated development environment. **Includes:** • RCM3010 microprocessor core module • Prototyping board • Dynamic C development system and complete documentation on CD-ROM • Serial cable for programming and debugging • DB9 Null Modem Cable • 10-pin @ DB9 Conversion Cable • Ethernet Crossover Cable • Getting Started manual • Keypad/display unit • AC adapter (U.S./Canada only)

316-1042-ND (101-0689) \$349.00

Embedded PLC Application Kit

This kit enables a Rabbit 3000 based single-board computer to be programmed using a standard software environment that is commonly used to program PLC's (Programmable Logic Controllers). **Features:** • Communication parameters are configurable using the Embedded PLC Utility for the Rabbit Processor • Rabbit 3000 at 44.2MHz • 10Base-T, RJ-45 (standard) • Flash Memory: 512K • SRAM: 256K + 512K • Digital Inputs: 16 • Digital Outputs: 8 • Analog Inputs: One 10-bit resolution • Analog Outputs: Two 9-bit PWM • 6 serial ports

316-1120-ND (101-1108) \$599.00

Color Touchscreen Application Kit

• The Reach Technology Color Touchscreen with a RabbitCore creates an application kit that provides embedded systems integrators the ability to add advanced interface functionality to embedded systems. Color touchscreens provide real-time feedback, allowing for better control in industrial-automation applications. **Includes:** • RCM3720 RabbitCore with Prototyping Board • Reach Technology SLCD Graphics Touch Terminal with NEMA 4 steel enclosure • Supplemental CD's • Dynamic C development system and complete documentation on DC-ROM • User manuals, sample programs and libraries • 5 serial and conversion cables • Two AC adapters (U.S./Canada only)

316-1075-ND (101-1062) \$1062.50

ZigBee™ Application Kit

This kit combines MaxStream®'s XBee™ RF modem with the popular RCM3720 RabbitCore module along with an easy-to-use interface to help customers build a practical ZigBee wireless control network. **Features:** • Rabbit 3000 processor at 22.1MHz • 10Base-T interface, RJ-45, 2 LEDs • Flash Memory: 512K • SRAM: 256K • MaxStream XBee (ISM 2.4GHz) • 802.15.4 standard (ZigBee compliant) • Transmit Power Output = 1mW (0 dBm) • Receiver Sensitivity = -92 dBm (1% PER) • Supported Network Topologies: Point-to-point, Point-to-multipoint, Peer-to-peer, Mesh

316-1118-ND (101-1137) \$399.54

Camera Interface Application Kit

This kit combines a VGA camera with a popular RabbitCore module that has removable memory to provide an event-capture application. **Features:** • RabbitCore module at 44MHz, and 10/100Base-T Ethernet • 512K Flash/512K SRAM, 16MB NAND and socket for removable memory • VGA camera module, servo motors and IR motion sensor • Time stamped photos and event notification options such as email notification and FTP upload • Image Resolution: 640 x 480 (VGA) / 320 x 240 (QVGA) / 160 x 128 / 80 x 64 • Color: Up to 8-bit gray, 16-bit RGB or standard JPEG preview images • Sensor Type: Passive infrared sensor • Motor Type: Micro-servo

316-1119-ND (101-1121) \$499.00

(Continued)

More Product Available Online: www.digkey.com

Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

(T083) 611



GPS/GSM Application Kit

This Kit provides all the tools necessary to sample and develop applications that combine a Rabbit based control device with a GSM/GPRS modem. The libraries 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 to/from and PC, GSM device or cell phone. **Highlights:** • Hardware/Software for wireless RCM communication and control via GPRS/GSM • Enfora™ Spider SA-GL Quad Band wireless modem and antenna • GUI and Keypad configuration menu system • Royalty-free TCP/IP stack in source code • Sample programs/libraries for generic modem operation • Fully integrated development software: compiler, editor and debugger for control applications

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

Bluetooth Application/Add On Kits

This kit provides all of the hardware and software necessary to develop a Bluetooth application. It includes an RCM3100, Embedded Blue eb506-AHC-IN Bluetooth 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 applications 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

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 quickly onto blank, soldered on flash devices • High-speed transfers at 57,600 bps or 115,200 bps • Higher-speed data transfer of up to 921,600 bps starting with Dynamic C version 7.05 • Ideal for low-volume cloning production

Description	Digi-Key Part No.	Price Each	Rabbit Part No.
Cloning Board	316-1047-ND	89.00	101-0589
Cloning Board	316-1101-ND	89.00	20-101-0589

◆ RoHS Compliant

Rabbit 3000A™ Microprocessor

Programming the Rabbit 3000A: Microprocessor hardware and software development is easy for Rabbit users. The Rabbit 3000A is programmed using the industry-proven Dynamic C® software development system from sister division Z-World.

Key Features: • Low-EMI: typically <10 dB µV/m @ 3m • Ultra-low power modes • 1.8-3.6V (5V tolerant I/O) • 55.5MHz clock speed • 56+ digital I/O • 6 serial ports supporting IrDA and ASync (4 of which support SPI; 2 support SDLC/HDLC) • Pulse capture and measurement • Quadrature encoder inputs • PWM outputs

Standard Features: • 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.
		2	10	100	
Rabbit 3000A	316-1061-ND	14.50	13.13	12.50	20-668-0011
55.5MHz, 128LQFP					

Rabbit 3000A/RCM3000 Development Kit

Digi-Key Part No. 316-1017-ND (101-0523) Only \$299.00

The Rabbit 3000A/RCM3000 Development Kit includes an RCM3010 Ethernet core module (with Rabbit 3000A microprocessor, 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™ RCM3400 Analog Core Module

Features: • 3.3V operation • Powerful Rabbit 3000 microprocessor • Low-EMI (typically <10dB µV/m@3m) • RCM3400: 512K Flash/512K SRAM, RCM3410: 256K Flash/256K SRAM • 8 channel 12-bit A/D with programmable gain • 47 digital I/O, Auxiliary I/O bus • 5 serial ports (IrDA, SDLC/HDLC, Async, SPI) • MAC ID installed

Design Advantages: • Ready-made platform for fast time-to-market • Compact size simplifies integration • Dynamic C development environment for real-time development and debugging • Exceptionally fast performance for math, logic, and I/O

Rabbit RCM3400 RabbitCore Development Kit

Digi-Key Part No. 316-1027-ND (101-0587) Only \$399.00

The RCM3400 Development Kit includes an RCM3400 core module, a prototyping board, AC adapter (U.S. only), 10-pin header to DE9 programming cable with integrated level-matching circuitry, complete Dynamic C SE software development system (not a trial version) with documentation on CD-ROM and a bag of accessory parts for use on the Prototyping Board.

Description	Digi-Key Part No.	Price Each			Rabbit Part No.
		2	10	100	
RCM3400	316-1099-ND	69.00			20-101-0561
RCM3410	316-1100-ND	59.00			20-101-0562

RabbitCore Wi-Fi Add On Kit

Digi-Key Part No. 316-1067-ND (101-0998) Only \$199.00

The Wi-Fi Add On Kit includes Interposer 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 DE9F serial cable, Sample Programs and software related specifically to the Wi-Fi Add on Kits 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

RabbitCore™ RCM3100 Core Module

The RCM3100 features a battery-backable real-time clock, glueless memory and I/O interfacing, and ultra-low power "sleepy" modes. A fully enabled 8-bit slave port permits easy master-slave interfacing with another processor-based system, and an alternate I/O bus can be configured for 8 data lines and 6 address lines (shared with parallel I/O).

Features: • Actual Size: 1.85" x 1.65" x 0.55" (47mm x 42mm x 14mm) • 29.4 MHz clock speed • 3.3V operation • Powerful Rabbit 3000™ microprocessor • Low-EMI (typically <10 dB µV/m @ 3m) • RCM3100: 512K Flash/512K SRAM • RCM3110: 256K Flash and 128K SRAM • 54 digital I/O • 6 serial ports (IrDA, SDLC/HDLC, Async, SPI) • Auxiliary I/O bus • Ultra-low power "sleepy" modes • Pulse capture and measurement • Quadrature encoder inputs • PWM outputs

Design Advantages: • Ready-made platform for fast time-to-market • Compact size simplifies integration • Pin compatible with Ethernet RCM3000 for parallel product development • 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.
RCM3100	316-1095-ND	65.00	20-101-0517
RCM3110	316-1096-ND	45.00	20-101-0518

Rabbit RCM3100 RabbitCore Development Kit

Digi-Key Part No. 316-1020-ND (101-0533) Only \$239.00

The RCM3100 Development Kit includes an RCM3110 core module (with Rabbit 3000 microprocessor, Flash, SRAM, serial ports, and I/O ports), a prototyping board, complete Dynamic C SE software development system (not a trial version) with documentation on CD-ROM, AC adapter (U.S. only) and serial cable for programming and debugging.

RabbitCore™ RCM3000 Core Module

Features: • Actual Size: 2.73" x 1.85" x .086" (69mm x 47mm x 22mm) • 29.4 MHz clock speed • 10Base-T • Powerful Rabbit 3000™ microprocessor • Low-EMI (typically <10 dB µV/m @ 3m) • Built-in Ethernet for simplified connectivity • 3.3V operation • RCM3000: Up to 512K Flash/512K SRAM • RCM3010: 256K Flash and 128K SRAM • 52 digital I/O • 6 serial ports (IrDA, SDLC/HDLC, Async, SPI) • Auxiliary I/O bus

• Ultra-low power "sleepy" modes • Pulse capture and measurement • Quadrature encoder inputs • PWM outputs

Design Advantage: • Ready-made platform for fast time-to-market • Dynamic C® development environment for real-time development and debugging

Description	Digi-Key Part No.	Price Each			Rabbit Part No.
		1	10	100	
RCM3000	316-1018-ND	83.21	73.74	67.42	101-0507
RCM3000	316-1093-ND	79.00	—	—	20-101-0507
RCM3010	316-1094-ND	59.00	—	—	20-101-0508

◆ RoHS Compliant

More Product Available Online: www.digikey.com



Rabbit 2000™ 8-Bit Microprocessor



Rabbit 2000 Advantages:

- Architecture for enhanced math performance
- Glueless memory and I/O interface
- Remote cold boot
- Slave interface
- 4 serial ports
- 40-plus multifunctional I/O pins
- Battery-backable real-time clock
- Watchdog timer
- Five 8-bit cascaded timers and one 10-bit timer with match registers
- 488 microsecond periodic interrupt
- Clocking options for low power applications

Rabbit 2000 Development Kit

Digi-Key Part No. 316-1003-ND (101-0359) Only **\$139.00**

Kit includes Jackrabbit single board computer, manual, schematics, AC adapter, prototyping board, programming cable, documentation on CD-ROM, additional parts and complete Dynamic C SE software development system (not a trial version).

Description	Digi-Key Part No.	2	10	100	Rabbit Part No.
Rabbit 2000	316-1062-ND	12.34	11.38	10.41	20-668-0003

Rabbit 2000™ 8-Bit Microprocessor with TCP/IP Support

Features:

- 18.432 MHz Rabbit 2000 Processor
- 10Base-T Ethernet Interface
- 4 High-Current Outputs (200 mA @ 40VDC)
- 4 Digital Input Points (0 - 5 VDC Nominal)
- RS-232 Serial Port
- RS-485 Serial Port
- 512K Flash Memory (2 x 256K)
- 128K SRAM
- 7 Built-in Timers
- Time/Date Real-Time Clock
- Watchdog Timer

Rabbit 2000 TCP/IP Development Kit

Digi-Key Part No. 316-1005-ND (101-0401) Only **\$258.70**

Kit includes Rabbit 2000™ TCP/IP development board (with Rabbit 2000 microprocessor, flash, SRAM, Ethernet hardware, 8 digital I/O), demonstration board, power supply, PC serial cable for real-time debugging and complete Dynamic C SE software development system (not a trial version) with TCP/IP on CD-ROM.

Description	Digi-Key Part No.	Price Each	Rabbit Part No.
Rabbit 2000 TCP/IP Toolkit	316-1006-ND	99.00	101-0403

RabbitCore 2000™ Microprocessor Core Module



RABBITCORE 2000

- **Board Size:** 1.90" x 2.30" x 0.55" (48.3mm x 58.4mm x 14.0mm)
 - **Input Voltage:** 4.75-5.25VDC
 - **Current:** 98mA at 18.432 MHz, 5VDC (130mA at 25.8 MHz, 5VDC)
 - **Processor:** Rabbit 2000 at 25.8MHz (18.432MHz for 2010 and 2020)
 - **General Purpose I/O:** 40 parallel I/O lines grouped in five 8-bit ports (shared with serial ports)
 - **Memory, I/O Interface:** 13 Address lines, 8 data lines, I/O read/write, buffer enable, status, clock
 - **Additional Digital Inputs:** (2), start up mode (for master/slave), reset in
 - **Additional Digital Outputs:** Watchdog output, reset out
 - **Clock:** 25.8 Mhz
 - **SRAM:** 512K (128K for 2010 and 2020)
 - **Flash:** 256K
 - **Timers:** Five 8-bit cascaded timers, one 10-bit timers with 2 match registers
 - **Serial Ports:** 4 CMOS-compatible ports. Max asynchronous baud rate is 806,400bps, maximum synchronous is 6.45Mbps. Two ports are configurable as clocked ports
 - **Slave Interface:** Allows the RabbitCore 2000 to be used as an intelligent peripheral device slaved to a master processor
- Additional Features:** Watchdog supervisor, time/date clock, backup battery circuitry and connections for user-supplied battery. Mates to your board via dual 40-pin male connectors.

RabbitCore 2000 Development Kit

Digi-Key Part No. 316-1007-ND (101-0398) Only **\$169.00**

Kit includes a model RCM2020, manual with schematics and documentation on CD-ROM, getting started guide, AC adapter, prototyping board, programming cable and complete Dynamic C SE software development system (not a trial version) on CD-ROM.

Description	Digi-Key Part No.	Price Each	Rabbit Part No.
RCM2020	316-1082-ND	39.00	20-101-0383
RCM2000	316-1083-ND	69.00	20-101-0404
RCM2010	316-1084-ND	49.00	20-101-0405

RabbitLink™ EG2110

Rabbit-based embedded systems are normally programmed using a direct connection between a PC and the programming port of the Rabbit-based system.

The RabbitLink provides an indirect connection between the two for remote downloading and debugging.

- Features:**
- Rabbit 2000™ microprocessor operating at 22.1 MHz
 - RJ-45 Ethernet port compliant with IEEE 802.3 standard for 10 Base-T Ethernet protocol
 - 2 Serial Ports
 - 3 Status LED's, labeled USER, ACT and LINK
 - 128K static RAM and 512K flash memory
 - Firmware installed
 - Easy setup with DHCP or simple console commands
 - Password protection
 - Remote program downloading and debugging

Description	Digi-Key Part No.	Price Each	Rabbit Part No.
EG2110 RabbitLink Board	316-1049-ND	129.00	101-0580

RabbitCore™ RCM2100 Series Microprocessor Core Module



Features:

- Ethernet Port for 2100 and 2110 series only
- 512K SRAM (128K for 2110 and 2130)
- 512K Flash (256K for 2110 and 2130)

Specifications:

- **Microprocessor:** Rabbit 2000 at 22.1 MHz
- **General Purpose I/O:** 34 parallel I/O (20 configurable I/O, 8 fixed inputs, and 6 fixed outputs) (40 parallel I/O with 26 configurable I/O for 2120 and 2130)
- **Additional Inputs:** 2 Startup Mode, Reset in
- **Additional Outputs:** Status, Clock, Watchdog Out, Reset out
- **Memory I/O:** 13 buffered address, 8 buffered data, plus I/O Read-Write and Buffer Enable
- **Serial Ports:** Four 5V CMOS-compatible; 2 configurable as clocked ports
- **Serial Rate:** Max. burst rate = CLK/32 Maximum sustained rate = Burst/2
- **Connectors:** Two 2 x 20, 2mm IDC headers
- **Slave Interface:** Allows use as master or intelligent peripheral with Rabbit-based or other master controller
- **Real-Time Clock:** Yes
- **Timers:** Five 8-bit timers (4 cascaded from the first) and one 10-bit timer with 2 match registers
- **Watchdog/Supervisor:** Yes
- **Power:** 4.75-5.25VDC, 140mA
- **Operating Temperature:** -40°C - 70°C (-40°C - 85°C for 2120 and 2130)
- **Humidity:** 5-95%, non-condensing
- **Board Size:** 3.5" x 2.0" x 0.86" (89 x 51 x 22mm); 3.5" x 2.0" x 0.5" (89 x 51 x 13mm) for 2120 and 2130

RabbitCore 2000/RCM2100 Low-Cost Development Kit

Digi-Key Part No. 316-1028-ND (101-0451) Only **\$279.00**

Jumpstart your evaluation and design efforts with a complete development kit, which includes RCM2100 microprocessor core module, prototyping board, Dynamic C SE software development system (not a trial version) and complete documentation on CD-ROM, serial cable for programming and debugging, Getting Started manual, and AC adapter (U.S./Canada only).

Description	Digi-Key Part No.	Price Each	Rabbit Part No.
RCM2110	316-1086-ND	59.00	20-101-0435
RCM2120	316-1087-ND	69.00	20-101-0436
RCM2130	316-1088-ND	49.00	20-101-0446

RabbitCore™ RCM2200 Microprocessor Core Module



- **Board Size:** 1.60" x 2.30" x 0.86" (41 mm x 59 mm x 22 mm)
- **Input Voltage:** 4.75-5.25VDC
- **Current:** 134 mA at 5VDC
- **Processor:** Rabbit 2000
- **General Purpose I/O:** 26 parallel I/O lines grouped in five 8-bit ports (shared with serial ports)
- **Memory, I/O Interface:** 4 address lines, 8 data lines, I/O Read-Write
- **Additional Digital Inputs:** Startup mode, reset
- **Additional Digital Outputs:** Status, reset
- **Clock:** 22.1 MHz
- **SRAM:** 128K (512K for 2250)
- **Flash:** 256K (512K for 2250)
- **Timers:** Five 8-bit timers, one 10-bit timer. Five timers are cascaded in pairs
- **Serial Ports:** 4 CMOS-compatible ports. Max asynchronous baud rate is 691,000 bps, max synchronous is 5.53 Mbps. Two ports are configurable as clocked ports
- **Slave Interface:** Allows the RCM2200 to be used as an intelligent peripheral device slaved to a master processor
- Ethernet Port: 10Base-T, RJ-45, 2 LEDs (10Base-T, No RJ-45 for 2210)

Additional Features: Watchdog/supervisor, time/date clock, backup battery circuitry, and connection for user-supplied battery

RabbitCore RCM2200 Development Kit

Digi-Key Part No. 316-1012-ND (101-0475) Only **\$239.00**

Kit includes RCM2200 core module (Ethernet, 256K Flash, 128K SRAM), Getting Started manual with schematics, DC power supply (U.S. only), prototyping board, PC serial cable, and complete Dynamic C SE software development system (not a trial version) and complete documentation on CD-ROM.

Description	Digi-Key Part No.	Price Each	Rabbit Part No.
RCM2200	316-1090-ND	55.00	20-101-0454
RCM2210	316-1091-ND	59.00	20-101-0488
RCM2250	316-1092-ND	79.00	20-101-0494

More Product Available Online: www.digkey.com

Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

(T083) 613