



Rabbit Cloning Board, Power Supply and Converter Cable



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

Universal Power Supply: 110/240 VAC, 12VDC

RS-232-to-USB Converter Cable: Required for USB only PCs

Description	Digi-Key Part No.	Price Each	Rabbit Part No.
Cloning Board	316-1101-ND	99.87	20-101-0589
Universal Power Supply	316-1162-ND	39.28	101-1291
RS-232 to USB Converter Cable	316-1181-ND	43.76	20-151-0178

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 μ V/m @ 3m
- Ultra-low power modes • 1.8V – 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, 55.5MHz, 128LQFP	316-1061-ND	16.27	14.73	14.03	20-668-0011

RabbitCore™ RCM3400 Analog Core Module



Features:

- 3.3V operation • Powerful Rabbit 3000 microprocessor • Low-EMI (typically <10 dB μ V/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 **\$447.74**

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.

RabbitCore Wi-Fi Add On Kit

Digi-Key Part No. 316-1067-ND (101-0998) Only **\$223.31**

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

Description	Digi-Key Part No.	Price Each	Rabbit Part No.
RCM3400	316-1099-ND	77.43	20-101-0561
RCM3410	316-1100-ND	66.21	20-101-0562

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) • 29.4MHz clock speed • 3.3V operation
- Powerful Rabbit 3000™ microprocessor • Low-EMI (typically <10 dB μ V/m @ 3m) • RCM3100: 512K Flash/512K SRAM • RCM3110: 256K Flash/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

Rabbit RCM3100 RabbitCore Development Kit

Digi-Key Part No. 316-1020-ND (101-0533) Only **\$268.20**

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.

Description	Digi-Key Part No.	Price Each			Rabbit Part No.
		2	10	100	
RCM3100	316-1095-ND	72.94			20-101-0517
RCM3110	316-1096-ND	50.50			20-101-0518

RabbitCore™ RCM3000 Core Module



Features:

- Actual Size: 2.73" x 1.85" x .086" (69mm x 47mm x 22mm) • 29.4MHz clock speed • 10Base-T
- Powerful Rabbit 3000™ microprocessor • Low-EMI (typically <10 dB μ V/m @ 3m) • Built-in Ethernet for simplified connectivity • 3.3V operation • RCM3000: Up to 512K Flash/512K SRAM • RCM3010: 256K Flash/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.
RCM3000	316-1093-ND	88.65	20-101-0507
RCM3010	316-1094-ND	66.21	20-101-0508

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

Description	Digi-Key Part No.	Price Each			Rabbit Part No.
		2	10	100	
Rabbit 2000	316-1062-ND	13.85	12.76	11.68	20-668-0003

Free shipping on orders over \$200 CAD! All prices in Canadian dollars and include duty and brokerage fees.

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