

# RABBIT Microprocessors, Core Modules, & Dev. Kits



Products may be RoHS compliant.  
Check mouser.com for RoHS status.

## RCM3100 RABBIT 3000 DEVELOPMENT KIT

The RCM3100 Development Kit includes an RCM3110 core module (with Rabbit 3000® microprocessor, Flash, SRAM, serial ports, and I/O ports), a prototyping board, Dynamic C® SE development software with documentation on CD-ROM (not a trial version), AC adapter (U.S. only), and serial cable for programming and debugging. The RCM3100 is ready for immediate software development. User programs are created using Dynamic C SE, a software development environment that includes an editor, compiler, and debugger. Programs are compiled and executed using Dynamic C and a programming cable - no costly in circuit emulator is required.

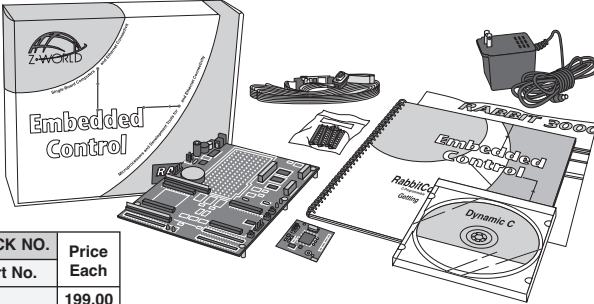
The prototyping board included in the kit allows for immediate evaluation and development of applications using the RCM3100. Executable code can be downloaded into Flash memory or SRAM. The prototyping board provides both 3.3 V and 5 V regulated power supplies, two RS-232 communication ports, two sockets for Rabbit RCM3100 Series modules, backup battery (supports RTC and SRAM), IrDA interface, and an interface for our optional keypad/display.

### Features:

- 3.3 V and 5 V regulated power supplies
- Rabbit 3000 processor running at 29.4 MHz
- 54 parallel I/O (shared with peripheral features)
- 6 serial ports
- 256K Flash / 128K SRAM
- 11 built-in timers
- Real-time clock
- Watchdog timer

### Key Benefits:

- Cost-effective - no run-time royalties
- Simplified development - A complete Dynamic C SE software package (with integrated editor, compiler, and debugger) is provided. No in-circuit emulator required!
- Sample demo programs provide an advanced starting point for development.
- Quick development time - Full hardware reference schematics help reduce development efforts.



### RCM3100 Development Kit

MOUSER STOCK NO.		Price Each
Mfr.	Mfr. Part No.	
694	101-0533	199.00

\* Software available à la carte. See [www.mouser.com/rabbitsemi](http://www.mouser.com/rabbitsemi) For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694	20-101-0517	RCM3100 RabbitCore Module - RoHS	65.00
694	20-101-0518	RCM3110 RabbitCore Module - RoHS	45.00

### Add on Development Products

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694	20-101-0589	Rabbit Cloning Board - RoHS	89.00
694	20-101-0467	8MB Serial Flash Expansion Board	89.00
694	540-0070	RS-232-to-USB Converter Cable	39.00
694	151-0113	Connector Adapter Board	15.00

## RCM3200 RABBIT 3000 DEVELOPMENT KIT

The RCM3200 Development Kit includes an RCM3200 core module (with Rabbit 3000® microprocessor, Flash, 2 SRAMs, serial ports, and I/O ports), a prototyping board, Dynamic C® SE development software with documentation on CD-ROM (not a trial version), AC adapter (U.S. only), and serial cable for programming and debugging. The RCM3200 is ready for immediate software development. User programs are created using Dynamic C SE, a software development environment that includes an editor, compiler, and debugger. Programs are compiled and executed using Dynamic C and a programming cable - no costly in circuit emulator is required.

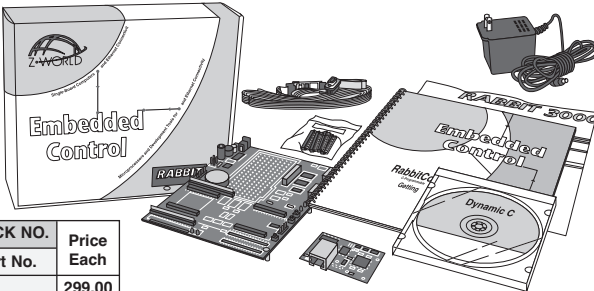
The prototyping board included in the kit allows for immediate evaluation and development of applications using the RCM3200. Executable code can be downloaded into Flash memory or SRAM. The prototyping board provides both 3.3 V and 5 V regulated power supplies, two RS-232 communication ports, two sockets for Rabbit RCM3031/3200 modules, backup battery (supports RTC and SRAM), IrDA interface, and an interface for our optional keypad/display.

### Features:

- 3.3 V and 5 V regulated power supplies
- Rabbit 3000 processor running at 44.2 MHz
- 52 parallel I/O (shared with peripheral features)
- 6 serial ports
- 512K Flash / 512K SRAM (program) & 256K SRAM (data)
- Ten 8-bit timers
- Real-time clock
- Watchdog timer

### Key Benefits:

- Cost-effective - no run-time royalties
- Simplified development - A complete Dynamic C SE software package (with integrated editor, compiler, and debugger) is provided. No in-circuit emulator required!
- Sample demo programs provide an advanced starting point for development.
- Quick development time - Full hardware reference schematics help reduce development efforts.



### RCM3200 Development Kit

MOUSER STOCK NO.		Price Each
Mfr.	Mfr. Part No.	
694	101-0552	299.00

\* Software available à la carte. See [www.mouser.com/rabbitsemi](http://www.mouser.com/rabbitsemi) For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694	20-101-0507	RCM3200 RabbitCore Module - RoHS	79.00

### Add on Development Products

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694	20-101-0467	8MB Serial Flash Expansion Board	89.00
694	540-0070	RS-232-to-USB Converter Cable	39.00
694	151-0113	Connector Adapter Board	15.00

## RCM3400 RABBIT 3000 DEVELOPMENT KIT

The RCM3400 Development Kit includes an RCM3400 core module (512K Flash/512K SRAM), a development board with 10/100Base-T Ethernet and prototyping area, Dynamic C® SE development software with documentation on CD-ROM (not a trial version), AC adapter (U.S. only), and serial cable for programming and debugging. The RCM3400 is ready for immediate software development. User programs are created using Dynamic C SE, a software development environment that includes an editor, compiler, and debugger. Programs are compiled and executed using Dynamic C and a programming cable - no costly in circuit emulator is required.

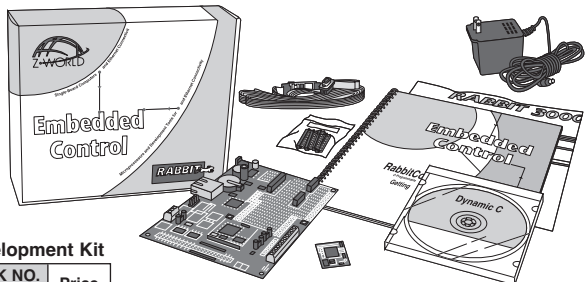
The development board included in the kit allows for immediate evaluation and development of applications using the RCM3400. Executable code can be downloaded into Flash memory or SRAM. The prototyping board provides 10/100Base-T Ethernet connectivity, both 3.3 V and 5 V regulated power supplies, two RS-232 and one RS-485 communication ports, one socket for a Rabbit RCM3031/32/3400 module, one socket for a display or custom user device, backup battery (supports RTC and SRAM), IrDA interface, and an interface for our optional keypad/display.

### Features:

- 3.3 V operation
- Powerful Rabbit 3000® microprocessor
- Low-EMI (typically <10 dB  $\mu$ V/m @ 3 m)
- Up to 512K Flash / 512K SRAM
- 8 channel 12-bit A/D with programmable gain
- 47 digital I/O, alternate I/O bus
- 5 serial ports (IrDA, SDLC/HDLC, async, SPI)
- MAC ID installed

### Key Benefits:

- Cost-effective - no run-time royalties
- Simplified development - A complete Dynamic C SE software package (with integrated editor, compiler, and debugger) is provided with royalty-free TCP/IP stack.
- Sample demo programs provide an advanced starting point for development.
- Quick development time - Full hardware reference schematics help reduce development efforts.



### RCM3400 Development Kit

MOUSER STOCK NO.		Price Each
Mfr.	Mfr. Part No.	
694	101-0587	329.00

\* Software available à la carte. See [www.mouser.com/rabbitsemi](http://www.mouser.com/rabbitsemi) For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694	20-101-0561	RCM3400 RabbitCore Module - RoHS	69.00
694	20-101-0562	RCM3410 RabbitCore Module - RoHS	59.00

### Add on Development Products

694	20-101-0541	Keypad/Display Unit in Plastic Case. Water-resistant remote keypad/display, 7-key/122 x 32 pixel LCD operating at 3.3V DC. (Cable not included, see below).	99.00
694	20-101-0502	Keypad/Display Unit in Plastic Case, Water-Resistant Remote Keypad/Display, 7-Key/122x32 pixel LCD Operating at 5V DC. (Cable Not Included, See Below)	99.00
694	540-0066	Keypad/Display Unit Cable. 20" cable for panel-mount keypad/display unit.	15.00
694	20-101-0467	8MB Serial Flash Expansion Board	89.00
694	540-0070	RS-232-to-USB Converter Cable	39.00