

# RABBIT Core Modules and Development Kits



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Embedded Modules

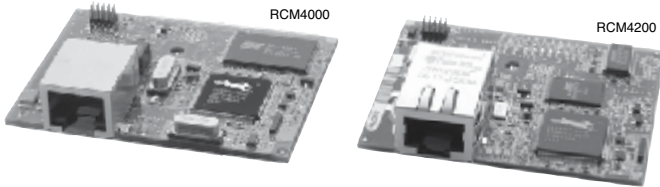
Rabbit Semiconductor



## RCM4000 RABBITCORES – EMBEDDED NETWORKING AND CONTROL

The new Rabbit 4000 is a high-performance, low-EMI microprocessor designed specifically for embedded control, communications, and Ethernet connectivity. The Rabbit 4000 outperforms most 16-bit processors without losing the efficiency of an 8-bit architecture. Extensive integrated features, glueless architecture and 10Base-T Ethernet facilitate rapid hardware design, while a new C-friendly instruction set promotes efficient development of even the most complex applications.

The Rabbit RCM4XXX series of RabbitCore modules enable powerful embedded networking and control in a small package. RabbitCores mount directly onto a user designed motherboard, and can interface with CMOS-compatible digital devices via the user's motherboard. Programs are developed with our industry-proven Dynamic C development system that includes an editor, compiler, and in-circuit debugger.



### Application Possibilities:

- Wireless device/data management
- Serial-to-Ethernet applications
- Remote monitoring and communications
- Web-enabling devices
- Device/data management and control
- Device-level control
- Remote data logging
- Asset management
- Security Access Systems

## RCM 4000/4010 RabbitCore Modules w/ Ethernet

Specifications: • VDC = 3.0 to 3.6V For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.   Mfr. Part No.	MHz	Flash	SRAM	Data Flash	Serial Ports	GPIO	Price Each		
							1	10	50
694—20-101-1094	59.98	512K	512K	32MB	1-4	19	89.00	84.76	79.36
694—20-101-1112	59.98	512K	512K	- -	1-4	25	69.00	65.71	61.53

## RCM41XX RabbitCore RabbitCore Modules

Specifications: • VDC = 3.0 to 3.6V For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.   Mfr. Part No.	MHz	Flash	SRAM	Data Flash	Serial Ports	GPIO	Price Each		
							1	10	50
694—20-101-1105	59.98	- -	512K	512K	1-4	29	75.00	72.11	67.52
694—20-101-1093	29.49	512K	256K	- -	1-4	40	45.00	42.86	40.13
694—20-101-1154	59.98	- -	512K	512K	1-4	40	64.00	60.50	55.75

## RCM42XX RabbitCore Modules

Specifications: • VDC = 3.0 to 3.6V For quantities of 100 and up, call for quote.

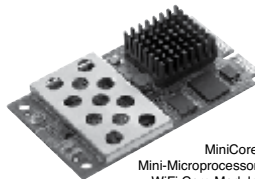
MOUSER STOCK NO. Mfr.   Mfr. Part No.	MHz	Flash	SRAM	Data Flash	Serial Ports	GPIO	Price Each		
							1	10	50
694—20-101-1131	58.98	512K	512K	512K	1-4	25	109.00	103.40	96.82
694—20-101-1132	29.49	512K	512K	- -	1-4	35	99.00	93.88	87.90



## RCM5600W - MINI-MICROPROCESSOR WI-FI CORE MODULE

The MiniCore RCM5600W module offers 802.11b/g Wi-Fi connectivity which includes WPA2, WPA and WEP security standards, allowing easy integration and interoperability within Wi-Fi networks. With six serial ports, four configurable as SPI, the RCM5600W can easily embed into any existing or new design and is pin compatible with current and future MiniCore products.

A Development Kit offers the essential hardware tools and includes the Dynamic C® software development system. The Kit contains a prototyping and interface board with USB connections that will allow you to evaluate and debug the RCM5600W.



MiniCore Mini-Microprocessor WiFi Core Module

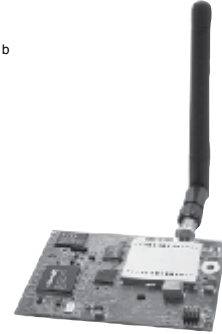
For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.   Mfr. Part No.	Description	Price Each		
		1	50	100
694—20-101-1265	MiniCore Mini-Microprocessor Wi-Fi Core Module	69.00	65.51	65.51
694—101-1284	RCM5600W Standard Development Kit	149.00	-	-
694—101-1285	RCM5600W Deluxe Development Kit	249.00	-	-



## RCM4400W – THE ON-CORE WI-FI SOLUTION

The RCM4400W RabbitCore modules adds Wi-Fi/802.11b functionality to existing Rabbit® 4000 microprocessor features, allowing you to create a low-cost, low-power, Wi-Fi based control and communications solution for your embedded system. The RCM4400W RabbitCore modules are equipped with on-board Wi-Fi/802.11b wireless connectivity. Features also include 512K flash memory and fast-program execution SRAM, 35 general-purpose I/O, 3.3 V I/O line, and low-power modes.



## RCM4400W RabbitCore Module

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.   Mfr. Part No.	Description	Price Each		
		1	10	50
694—20-101-1202	Core Module Wi-Fi/802.11	119.00	113.33	106.11



## RCM6700 SERIES MINICORE DEV KITS

The ultra-compact MiniCore RCM6700 is ideal for today's smart energy initiatives as well as other applications that require a cost effective web-enabled device server. The RCM6700 series provides up to 6 serial ports, configurable I/O and control features such as PWM. Furthermore, the RCM 6700 series offers a much greater feature set than comparable device servers, while at a lower cost.



PRODUCT NEW

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.   Mfr. Part No.	Description	Price Each
		1
694—101-1326	RCM67XX MiniCore Deluxe Dev Kit	199.00
694—101-1327	RCM67XX MiniCore Stndrd Dev Kit	99.00



## RCM6700 SERIES MINICORE

The RCM6700 series is fully programmable, taking advantage of processor peripherals. The programming environment, Dynamic C, is an ANSI C compatible development environment that provides a royalty free TCP/IP stack and Wi-Fi support. Various protocol support such as ZigBee, Modbus and BACnet are also available to help reduce development costs and time-to-market.



PRODUCT NEW

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.   Mfr. Part No.	Description	Price Each		
		1	25	50
694—20-101-1318	RCM6700 MiniCore	35.00	33.60	32.25
694—20-101-1319	RCM6710 MiniCore	45.00	43.15	41.45
694—20-101-1320	RCM6750 MiniCore	50.00	47.98	46.10
694—20-101-1321	RCM6760 MiniCore	60.00	57.55	55.30