

# RABBIT Core Modules and Development Kits

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Embedded Modules

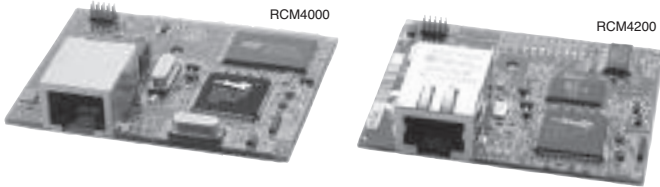
Rabbit Semiconductor



## 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.



### RCM4XXX Development Kits include:

- RCM4xxx RabbitCore Module
- Prototyping Board
- Serial Cable for Programming and Debugging
- Dynamic C® integrated development software
- Complete product documentation on CD
- AC adapter (U.S. only)
- Rabbit 4000 pin specifications poster
- Connectors and accessories

### 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

### RabbitCore Module US Development Kits For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
<b>RCM4000</b>			
694	101-1145	RCM 4000 RabbitCore US Development Kit	195.00
694	101-1114	RCM 4010 RabbitCore US Development Kit	199.00
<b>RCM41XX</b>			
694	101-1157	RCM4100 Analog US Development Kit	199.00
694	101-1101	RCM4110 US Development Kit	186.57
<b>RCM42XX</b>			
694	101-1155	RCM4200 / RCM4210 US Development Kit	225.00

### RabbitCore Modules

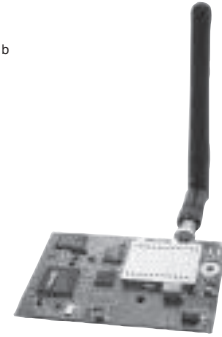
Specifications: • VDC = 3.0 to 3.6V For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		MHz	Flash	SRAM	Data Flash	Serial Ports	GPIO	Price Each		
Mfr.	Mfr. Part No.							1	10	50
<b>RCM 4000/4010 RabbitCore Modules w/ Ethernet</b>										
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
<b>RCM41XX RabbitCore RabbitCore Modules</b>										
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
<b>RCM42XX RabbitCore Modules</b>										
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



## 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.



### RabbitCore Module US Development Kit For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694	101-1173	RCM4400W US Development Kit	235.00

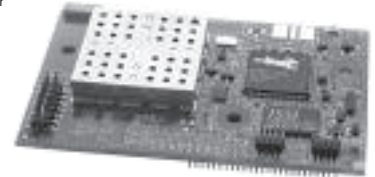
### RCM4400W RabbitCore Module For quantities of 100 and up, call for quote.

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



## RCM4510W – THE ZIGBEE IS ON-BOARD

The RCM4510W next-generation RabbitCore module adds ZigBee®/802.15.4 connectivity to the existing Rabbit® 4000 microprocessor features allowing you to create a low-cost, low-power, wireless network as part of your control solution for your embedded application. The RCM4510W RabbitCore module is equipped with an on-board ZigBee/802.15.4 modem for wireless connectivity. Features also include 512K flash memory and SRAM, 40 general-purpose I/O, and up to 9 general-purpose I/O 4 of which can be set up as analog inputs via the ZigBee module.



### RCM4510W RabbitCore Module For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	10	50
694	20-101-1170	RCM4510W Core Module	89.00	84.76	79.36

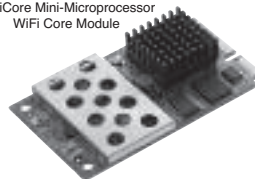


## RCM5600W - MINI-MICROPROCESSOR WI-FI CORE MODULE

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



**NEW**  
FROM SUPPLIER



Standard Development Kit



Deluxe Development Kit

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	50	100
694	20-101-1265	MiniCore Mini-Microprocessor Wi-Fi Core Module	69.00	67.00	65.00
694	101-1284	RCM5600W Standard Development Kit	105.19	-	-
694	101-1285	RCM5600W Deluxe Development Kit	189.99	-	-