

RABBIT Core Modules and Development Kits



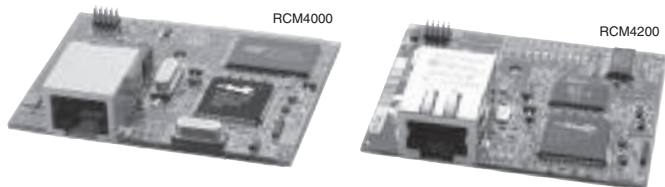
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RCM4000 RABBITCORES – EMBEDDED NETWORKING AND CONTROL

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.		MHz	Flash	SRAM	Data Flash	Serial Ports	GPIO	Price Each		
Mfr.	Mfr. Part No.							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.		MHz	Flash	SRAM	Data Flash	Serial Ports	GPIO	Price Each		
Mfr.	Mfr. Part No.							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.		MHz	Flash	SRAM	Data Flash	Serial Ports	GPIO	Price Each		
Mfr.	Mfr. Part No.							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

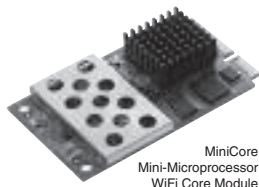


RCM5600W - MINI-MICROPROCESSOR WI-FI CORE MODULE



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.



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	20-101-1284	RCM5600W Standard Development Kit	105.19	-	-
694	101-1285	RCM5600W Deluxe Development Kit	189.99	-	-



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

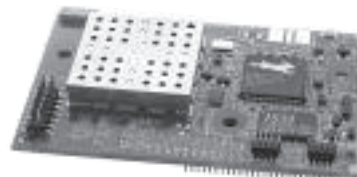
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		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



MACHINE TO MACHINE (M2M) APPLICATION KIT

M2M (machine-to-machine/mobile) brings together machine control with wireless communications. With 50 billion "machines" in the world, M2M allows a machine to be monitored or controlled from anywhere, anytime, using current wireless data technologies such as GSM, SMS (text messaging) and GPRS.

Rabbit Semiconductor's M2M Applications Kit provides all the tools necessary to sample and design communications between a Rabbit-based device to a GSM/GPRS-enabled device (e.g. GSM modem/phone, PDA phone). The libraries and sample programs allow for a GSM modem/phone to send SMS (text) messages to a RabbitCore module (RCM) that can interpret messages as commands and in turn can execute control functions. The RCM can also send/receive email from any PC, device or phone. A menu system allows for easy interface on the keypad/display, as well as reading text messages and email. The M2M Application Kit includes Z-World's Dynamic C software with royalty-free TCP/IP stack and PPP module.

Machine2ME Node

Is a configuration involving an Ethernet-enabled Rabbit-based device at the heart of a Machine equipped with a GSM modem. The Rabbit-based device acts as a server/node to other Ethernet devices. So a single Rabbit device with a wireless modem can control a number of Ethernet devices.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		1
694	101-0721	M2M Application Kit	699.00