

RABBIT Core Modules and Development Kits



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RCM3400 AND RCM3410 RABBITCORE MODULES

The RCM3400 analog RabbitCore provides a known-good processor and analog input subsystem for OEMs to quickly integrate into custom designs. The RCM3400 features a low-EMI Rabbit 3000-based CPU subsystem running at 29.4 MHz, with 512K Flash / 512K SRAM or 256K Flash / 256K SRAM, 5 serial ports, and 8 channels of programmable gain analog input in an extremely small footprint (1.37" x 1.16" / 34 x 29mm).

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each	
									1	50
694-20-101-0561	20-101-0561	A	RCM 3400 RabbitCore Module	29.4	512K	512K	52	1-4	69.00	61.53
694-20-101-0562	20-101-0562	A	RCM 3410 RabbitCore Module	29.4	256K	128K	52	1-4	59.00	52.61

For quantities greater than listed, call for quote.

RCM3400 RabbitCore US Development Kit

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Description	Price Each
694-101-0587	101-0587	RCM 3400 RabbitCore US Development Kit	399.00

RCM3600 AND RCM3610 RABBITCORE MODULES

The RCM3600 RabbitCore is the lowest priced Rabbit 3000 microprocessor based core module designed for a wide variety of applications.

Design Advantages:

- Ready-made platform for fast time-to-market, up to 3 months design integration time savings
- Compact size
- Dynamic C® development environment for real-time development and debugging
- Exceptionally fast performance for math, logic, I/O

Applications:

- Handheld devices & Instrumentation
- Remote Data Logging



RoHS Compliant

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MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each	
									1	50
694-20-101-0672	20-101-0672	B	RCM3600 RabbitCore Module	22.1	512K	512K	33	1-4	49.00	43.69
694-20-101-0673	20-101-0673	B	RCM3610 RabbitCore Module	22.1	256K	128K	33	1-4	45.00	40.13

RCM3750 RABBITCORE MODULE

The RCM3750 features 10/100Base-T connectivity, 512K Flash / 512K SRAM, 4 serial ports, and an extremely small footprint (2.95" x 1.20" / 75 x 30mm). Extensive demo programs, application templates, and optional software modules enable rapid development of secure network embedded systems. Built-in low EMI features, including a clock spectrum spreader, practically eliminate EMI problems, helping OEMs pass European CE and other regulatory RF emissions tests.

Applications:

- Remote Date Logging
- OEM Serial to Ethernet products
- Network-Enabling Security
- Access Systems
- Building Automation
- Industrial Controls



RoHS Compliant

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MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	Data Flash	GPIO	Serial Ports	Price Each	
										1	50
694-20-101-1028	20-101-1028	C	RCM3750 RabbitCore Module	22.1	512K	512K	1MB	33	1-4	74.00	65.99

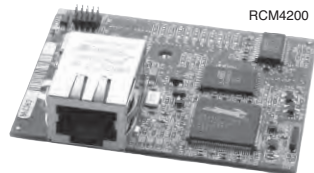
RCM4000 RABBITCORES – EMBEDDED NETWORKING AND CONTROL

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.



RCM4000



RCM4200

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 greater than listed, call for quote.

MOUSER STOCK NO.	MHz	Flash	SRAM	Data Flash	Serial Ports	GPIO	Price Each		
							1	10	50
694-20-101-1105	59.98	512K	512K	32MB	1-4	19	89.00	84.76	79.36
694-20-101-1094	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 greater than listed, call for quote.

MOUSER STOCK 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

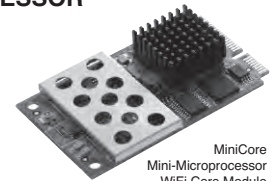
Specifications: • VDC = 3.0 to 3.6V For quantities greater than listed, call for quote.

MOUSER STOCK 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 greater than listed, call for quote.

MOUSER STOCK 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	-	-

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.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Description	Price Each
		1
694-101-1326	RCM67XX MiniCore Deluxe Dev Kit	199.00
694-101-1327	RCM67XX MiniCore Stndrd Dev Kit	114.28

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.



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MOUSER STOCK 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