

RABBIT Core Modules and Development Kits

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Embedded Modules

Rabbit Semiconductor

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

RCM3400 RabbitCore US Development Kit

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

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.

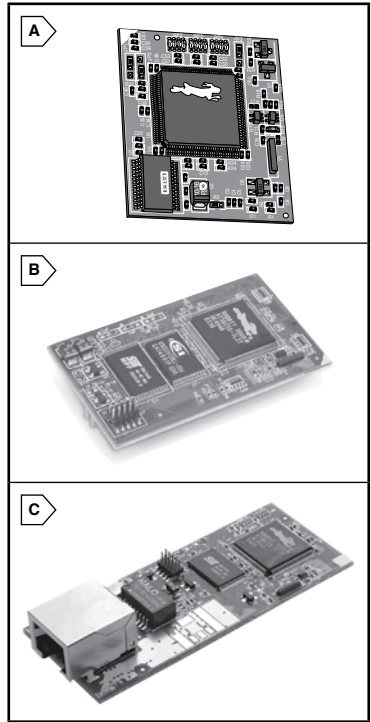
Applications:

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



RoHS Compliant

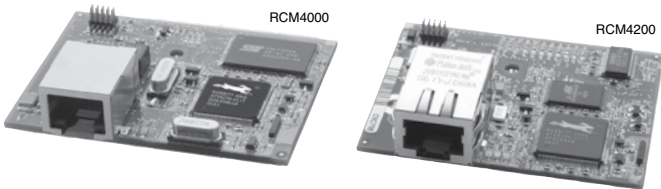
MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	Data Flash	GPIO	Serial Ports	Price Each	
										1	50
694-20-101-1028	20-101-1028	C	RCM3750 RabbitCore Module	22.1	512K	512K	1MB	33	1-4	74.00	65.99



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.



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
694-20-101-1131	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

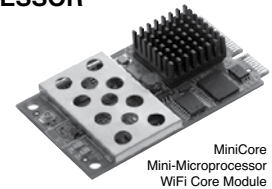
Specifications: • VDC = 3.0 to 3.6V For quantities greater than listed, call for quote.

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.



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.



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	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.



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