RCM2200 RabbitCore™

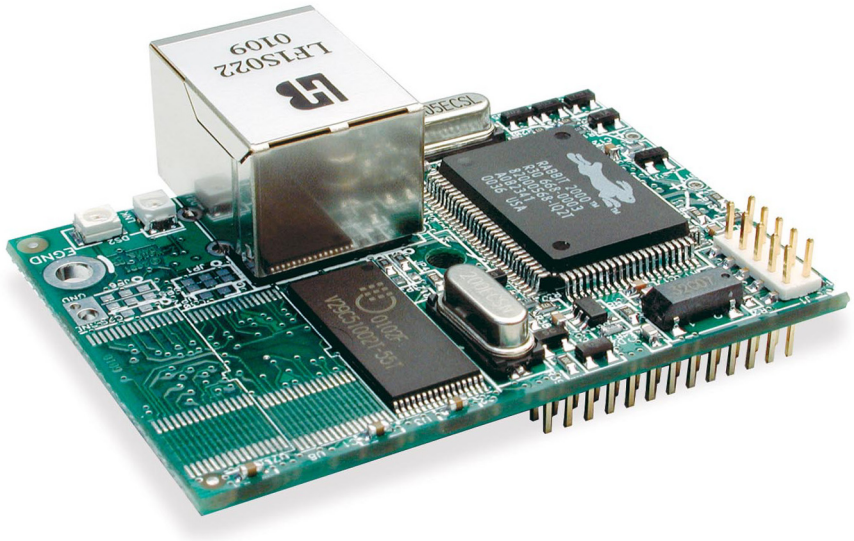
Microprocessor Core Module

Models RCM2200, RCM2210, RCM2250, RCM2260

Specifically designed for small applications, the award-winning RCM2200 RabbitCore microprocessor core module provides a complete embedded control solution in an area half the size of a credit card. Based on the powerful Rabbit 2000™ microprocessor, the RCM2000 includes features for embedded control such as Flash memory, SRAM, serial ports, I/O, real-time clock, and integrated Ethernet. To permit parallel development and cost-effective implementation of both Ethernet-enabled and non-Ethernet systems, our pin-compatible RCM2300 model is also available.

Features

- Compact size (2.3" x 1.6" x 0.86")
- 10Base-T Ethernet
- Up to 512K Flash
- Up to 512K SRAM
- 26 general-purpose I/O



Designing with RabbitCores

The RabbitCore family of microprocessor core modules is designed to facilitate rapid development and implementation of embedded systems. RabbitCores are powered by high-performance 8-bit Rabbit microprocessors with extensive integrated features and a C-friendly instruction set designed for use with the Dynamic C® development system. The RabbitCore mounts on a user-designed motherboard and acts as the controlling microprocessor for the user's system. Small in size but packed with powerful features, these core modules give designers a complete package for control and communication.

The integrated Ethernet port frees designers from the limitations of serial-port communications and control and also permits instant local or worldwide connectivity using low-cost networking hardware. Embedded systems using the Ethernet RabbitCore module can be controlled and monitored (as well as programmed and debugged when using appropriate accessory hardware) across any network or the Internet.

Programming the RCM2200

Programs are developed using Z-World's industry-proven Dynamic C software development system, which is included in low-cost development kits. An extensive library of drivers and sample programs is provided.

Development Kit

Jumpstart your evaluation and design efforts with a complete development kit, which includes RCM2200 RabbitCore (with Ethernet, 256K Flash, and 128K SRAM), prototyping board, AC adapter (U.S. only), Dynamic C development system and complete documentation on CD-ROM, serial cable for programming and debugging, and Getting Started manual.

RCM 2200 RabbitCore Specifications				
Feature	**RCM2200**	**RCM2210**	**RCM2250**	**RCM2260**
Microprocessor	Rabbit2000™ at 22.1 Mhz			
Ethernet Port	10Base-T, RJ-45 2 LEDs	10Base-T (raw signals only)	10Base-T, RJ-45 2 LEDs	10Base-T (raw signals only)
Flash	256K		512K	
SRAM	128K		512K	
Backup Battery	Connection for user-supplied battery (to support RTC and SRAM)			
General Purpose I/O	26 parallel I/O • 16 configurable I/O • 7 fixed inputs • 3 fixed outputs			
Additional Inputs	2 Startup Mode, Reset			
Additional Outputs	Status, Reset			
External I/O	4 address, 8 data, I/O Read-Write			
Serial Ports	Four 5 V CMOS-compatible* • 4 configurable as asynchronous • 2 configurable as clocked serial (SPI)			
Serial Rate	Max. burst rate = CLK/32 Max. sustained rate=burst/2			
Connectors	Two 2 x 13, 2 mm IDC headers			
Slave Interface	Slave Port permits use as master or as intelligent peripheral with Rabbit-based or other master controller			
Real-Time Clock	Yes			
Timers	Five 8-bit timers (four cascadable from the first) and one 10-bit timer with 2 match registers			
Watchdog/Supervisor	Yes			
Power	4.75-5.25 V DC, 134 mA			
Operating Temp.	-40°C to + 70°C			
Humidity	5-95%, non condensing			
Board Size	2.3" x 1.6" x 0.86" (59 x 41 x 22 mm)			
Pricing (qty. 1/100/1000) **Part Number**	101-0454	101-0488	101-0494	101-0955
Development Kit **Part Number**	U.S. 101-0475		Int'l 101-0478	

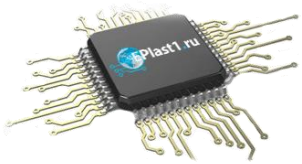
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- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
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- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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