

ULTRA-COMPACT WI-FI MODULE



## MINICORE® RCM5700 SERIES

A low-cost, ultra-compact, pin-compatible Ethernet control and communications solution for your embedded design

The MiniCore RCM5700 series offers an integrated software and hardware platform that can shorten your design cycle from years to months. RCM5750 and RCM5760 allow datalogging capabilites with increased memory options.

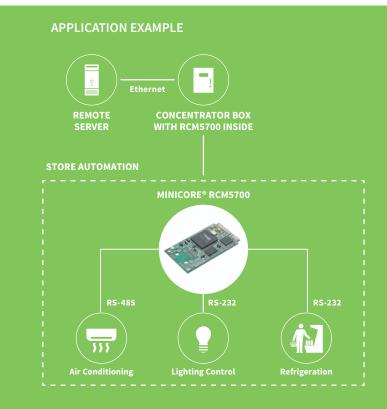
With six serial ports, four configurable as SPI, the RCM5700 series can easily embed into any existing or new design and is pin-compatible with current and future MiniCore products,

such as MiniCores offering Wi-Fi 802.11b/g. The embedded web server offers an added level of control and monitoring for today's intensive applications.

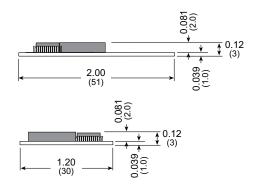
## **BENEFITS**

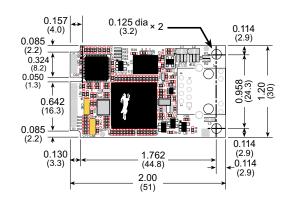
- 10/100Base-T Ethernet
- Up to 640 KB SRAM for data, 1 MB Flash memory for program storage, 2 MB serial Flash for mass storage
- Up to 32 GPIO lines and 6 serial ports
- Serial to Ethernet bridge
- Embedded web server, Remote Firmware Update, open source code and royalty-free
- Cost-competitive embedded solution
- Quick time-to-market

## RELATED PRODUCTS Rabbit Rabbit Rabbit Core® Dynamic C® ConnectCard™ for i.MX28



SPECIFICATIONS	RCM5700	RCM5710	RCM5750	RCM5760
FEATURES				
MICROPROCESSOR	Rabbit® 5000 at 50 MHz			
EMI REDUCTION	10/100Base-T (Ethernet signals only)	10/100Base-T w/RJ-45 connector	10/100Base-T (Ethernet signals only)	10/100Base-T w/RJ-45 connector
FLASH MEMORY (CODE)	1 MB parallel Flash			
SRAM (DATA)	128K internal to Rabbit 5000		128K internal to Rabbit 5000; 512K external Fast SRAM	
BATTERY BACKABLE SRAM (DATA)	None			
MASS STORAGE OPTION	None		2 MB serial Flash	
BACKUP BATTERY	Connection for user-supplied backup battery (to be used for RTC)		None	
GENERAL PURPOSE I/O	Up to 32 parallel digital I/O			
SERIAL PORTS	6 high-speed, CMOS-compatible ports: • All 6 configurable as asynchronous (with IrDA), 4 as clocked serial (SPI), and 2 as SDLC/HDLC • 1 asynchronous clocked serial port shared with programming port			
SERIAL RATE	Max. async = CLK/8, Max. sync = CLK/2			
SLAVE INTERFACE	Slave port allows the RCM5700 to be used as an intelligent peripheral device slaved to a master processor			
REAL-TIME CLOCK	Yes		Yes (no battery backup)	
TIMERS	Ten 8-bit timers (6 cascadable from the first), one 10-bit timer with 2 match registers, and one 16-bit timer with 4 outputs and 8 set/reset registers			
WATCHDOG/SUPERVISOR	Yes			
PULSE-WIDTH MODULATORS	4 channels synchronized PWM with 10-bit counter 4 channels variable-phase or synchronized PWM with 16-bit counter			
POWER	3.15 - 3.45 VDC 70 mA @ 3.3V (typical — without Ethernet) 200 mA @ 3.3V (typical — with Ethernet)			
OPERATING TEMPERATURE	-40° C to +85° C			
HUMIDITY	5% to 95%, noncondensing			
CONNECTORS	Edge connectors for 52-pin Mini PCI Express socket	Edge connectors for 52-pin Mini PCI Express socket RJ-45 (Ethernet)	Edge connectors for 52-pin Mini PCI Express socket	Edge connectors for 52-pin Mini PCI Express socket, RJ-45 (Ethernet)
BOARD SIZE	1.20" × 2.00" × 0.12" (30 mm × 51 mm × 3mm)			





PART NUMBERS	DESCRIPTION
20-101-1235	RCM5700
20-101-1300	RCM5710
20-101-1306	RCM5750
20-101-1307	RCM5760

**DIGI SERVICE AND SUPPORT** / You can purchase with confidence knowing that Digi is always available to serve you with expert technical support and our industry leading warranty. For detailed information visit www.digi.com/support.

@ 1996-2015 Digi International Inc. All rights reserved. All trademarks are the property of their respective owners.

DIGI INTERNATIONAL WORLDWIDE HQ 877-912-3444 / 952-912-3444 / www.digi.com

**DIGI INTERNATIONAL FRANCE** +33-1-55-61-98-98 / www.digi.fr

**DIGI INTERNATIONAL JAPAN** +81-3-5428-0261 / www.digi-intl.co.jp **DIGI INTERNATIONAL SINGAPORE** +65-6213-5380

**DIGI INTERNATIONAL CHINA** +86-21-50492199 / www.digi.com.cn



## **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Microprocessors - MPU category:

Click to view products by Digi International manufacturer:

Other Similar products are found below:

MC7457RX1000LC MC7457RX1267LC A2C00010998 A A2C52004004 R5F117BCGNA#20 ADJ3400IAA5DOE MPC8245TZU300D MPC8260ACVVMHBB MPC8323ECVRAFDCA MPC8536ECVJAVLA BOXNUC5PGYH0AJ 20-668-0024 P1010NSN5DFB P2020NXE2HHC P5020NSE7VNB LS1020ASN7KQB LS1020AXN7HNB LS1020AXN7KQB A2C00010729 A A2C00039344 T1022NSE7MQB T1022NXN7PQB T1023NSE7MQA T1024NXE7PQA T1042NSN7MQB T1042NXN7WQB T2080NSN8PTB T2080NXE8TTB T2081NXN8TTB MC68302CEH20C TS68040MF33A MPC8260ACVVMIBB MPC8280CZUUPEA MPC8313ECVRAGDC MPC8313EVRADDC MPC8313VRADDC MPC8323EVRAFDCA BOXSTCK1A8LFCL UPD78F0503AMCA-CAB-G UPD78F0513AGA-8EU-AT Z8018008VEG LS1020ASE7HNB LS1021ASE7KQB LS1021ASN7KQB MPC8358ECVRAGDGA MPC8544CVJALFA MPC855TZQ80D4 MPC8569VJAUNLB P1013NSN2EFB T1020NSE7MQB