Preliminary Product Brief

RCM6600W

Ultra Compact Ethernet to Wi-Fi bridge



Embedded cloud module with integrated 802.11 b/g Wi-Fi and 10/100 Ethernet, utilizing the iDigi platform to manage firmware updates and eliminate device deployment issues.

Overview

The RCM6600W is a fully customizable, ultra compact embedded cloud module with an integrated 802.11b/g and 10/100 Ethernet interface. With the dual networking interfaces software supports not only Ethernet to Wi-Fi bridging but also provides secure 802.11i - WPA2 support. The RCM6600W is easily programmable with royalty-free networking libraries, available in the comprehensive software environment Dynamic C. In addition with up to six serial ports available the RCM6600W can connect to a host of devices such XBee Zigbee modules, GPRS, and GPS devices, all of which have fully supported libraries within Dynamic C.

The RCM6600W supports the iDigi platform which provides an easy to use interface for device control and monitoring. In addition iDigi provides a scalable platform which can manage firmware updates to literally thousands of devices with the click of a button eliminating costly truck rolls.

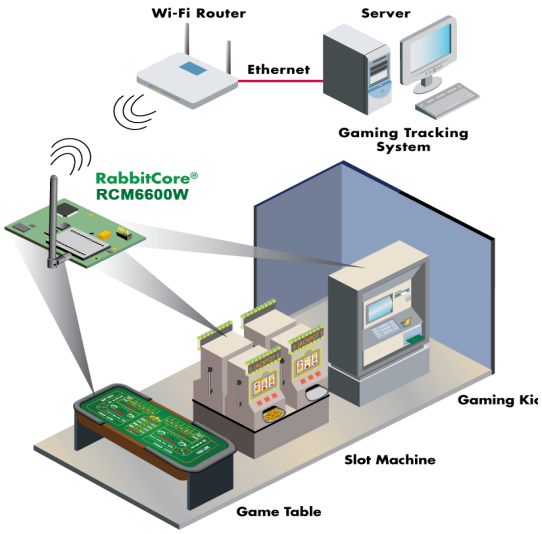
The capabilities and features of the RCM6660W address many common device deployment concerns ulitmately reducing development costs and time to market.

RCM6600W Development Kit

Development kit comes complete with essential hardware and software(kit is USB powered)



Applications



Features/Benefits

- Integrated 802.11b/g and 10/100 Ethernet networking
- 4 A/D inputs 12-bit resolution
- Clock speed up to 180MHz
- Throughput up to 40Mbps Ethernet and up to 20Mbps Wi-Fi
- Manage firware updates with iDigi platform
- Lightweight web server for monitoring and control
- ZigBee® and GPS/3G cellular connectivity support
- FCC and CE certified

RCM6600W

Features

Networking Interfaces	10/100Base-T(Ethernet Signals) & 802.11b/g
SRAM (Data + Code)	1MB (Internal)
Flash Memory (Code and File System)	1MB Serial Flash
(Code and File System)	32KB (internal)
General Purpose I/O	Up to 30 configurable I/O
Analog Inputs	Four 11-bit res. channels
Serial Ports	6 high-speed, CMOS compatible ports, 4 configureable as clocked serial (SPI)
Real Time Clock	Yes
Pulse Width Modulators	4 channels synchronized PWM with 10-bit counter 4 channels variable-phase or synchronized PWM with 16-bit counter
Quadrature Decoder	2-channel quadrature decoder accepts inputs from external incremental encoder modules
I2C	1 channel, standard (100 Kbits/s) and (400 Kbits/s) clock modes
Operating Temperature	-40° C to +85° C
Power	~200 mA @3.3V in Wi-Fi receive mode ~400 mA @3.3V with Wi-Fi while transmitting
Supported Protocols	HTTP, HTTPS, SSLv3, DHCP, UDP, TCP, SNMP, Telnet, FTP, TFTP, SMTP, POP3, ZigBee, Modbus
Baud Rates	Serial - Maximum asynchronous baud rate = CLK/8 Ethernet - ~45Mbps Wi-Fi - ~20Mbps
Security	• SSL/TLS • AES • Wi-Fi Enterprise Mode Authentication

Pricing

Pricing(MSRP) qty. 1	
Standard Development Kit	
Deluxe Development Kit	

Visit www.digiembedded.com for part numbers.

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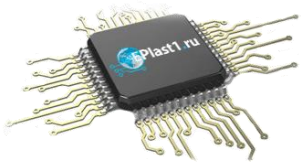
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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
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- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- 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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