Size: 15mm x 21.8mm x 2.3mm

FEATURES:

- 16C550 UART interfaces
- USB 1.1 full speed interface
- 4 GPIOs
- PCM interface
- JTAG Debug interface
- Capability for embedded solutions
- Optional built-in 8M flash
- Point to multipoint, 7 slaves
- Power management, PARK, SNIFF & HOLD
- Qualified for Bluetooth spec. 1.2 Compliance
- Small footprint: 15mm x 21.8mm x 2.3mm

BENEFITS :

- Standard low power digital CMOS process
- Embedded microcontroller and baseband to offload processor-intensive tasks from host CPU
- Complete solution with LMP and HCI provided in firmware (lower stack) , common SW profiles and Upper stack

M1G0-01001
BLUETOOTH BASEBAND MODULE

The M1G0-01001 Bluetooth Baseband from Systems and Chips, Inc. is PCB module with a Bluetooth v1.2 compliant baseband controller designed to be suitable for both host and embedded applications. The baseband controller is integrated with a Radio module and Flash memory to form complete Bluetooth systems.

A wide range of external interfaces like USB, GPIO, PCM and a pair of UARTS, the M1G0-01001 is ideally suited for access applications in desktop and mobile computing environments, home base stations, and hot spot network access points.

APPLICATIONS

- PCs, laptops, PDAs
- Peripheral devices
- Consumer electronics
- Data access points
- Ad hoc networking
- Automotive and Industrial applications

LOW POWER CONSUMPTION

The M1G0-01001 module consumes less power than most Bluetooth Baseband Modules out in the market today. It runs on the standard low power digital CMOS process. Making it a great solution that targets cost-sensitive customer applications that require fast design-in, low power consumption and small designs.

SMALLER IN SIZE AND FEWER EXTERNAL COMPONENTS

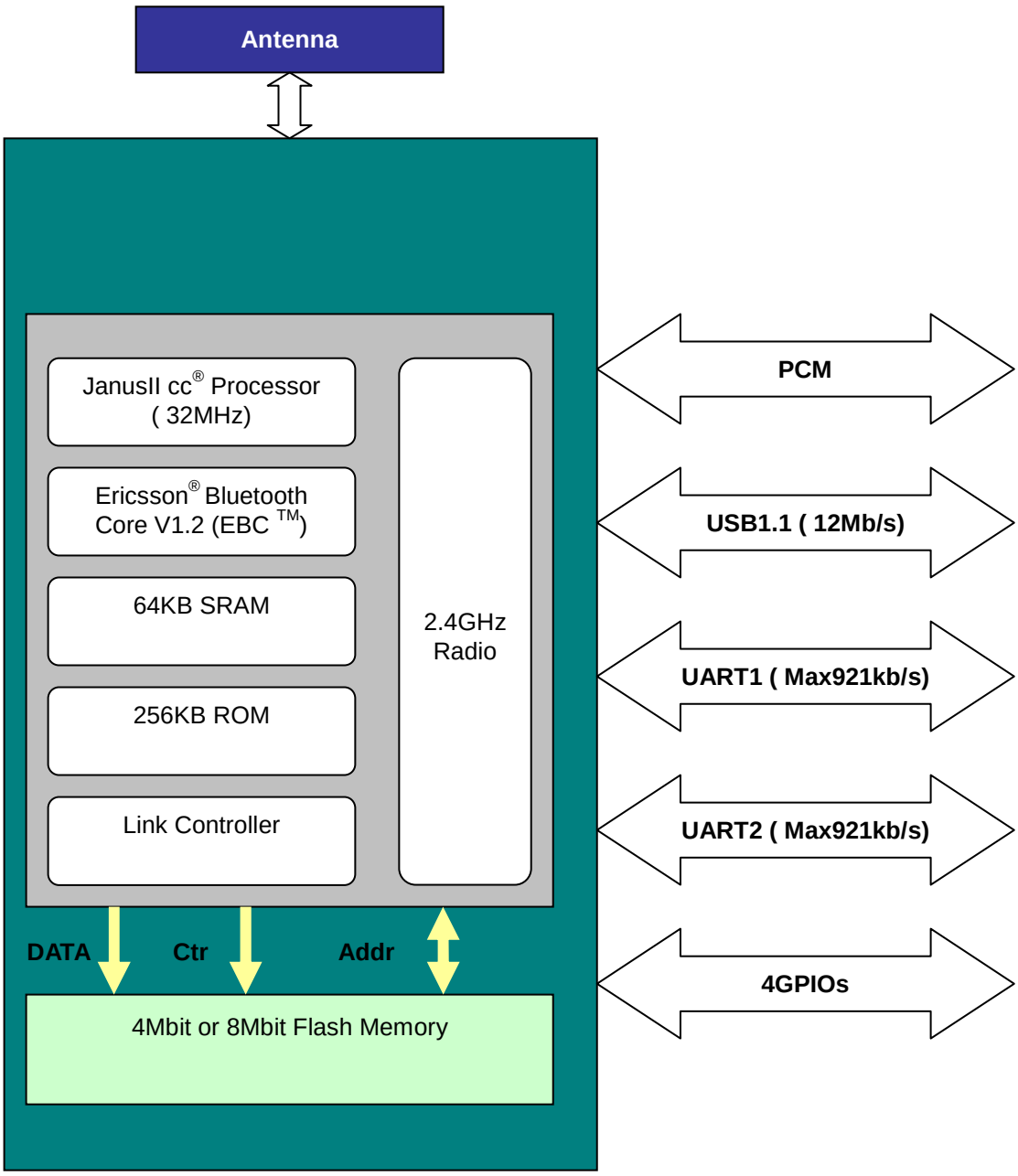
Today's wireless applications continue to shrink, requiring Bluetooth solutions with the smallest available package size. The M1G0-01001 module uses a multi chip module (MCM) that integrates the RF and Baseband into one single BGA package. This allows the size of the module to be reduced from a module size that is smaller, fitting into the most constrained designs. This Bluetooth Baseband Module design also requires fewer external components and hence reducing the general cost of the end product.

Systems and Chips, Inc.

4F,No1, Lane 50, Sec.3, Nakang Road, Taipei, 115 Tel: 886-2-2782 7898 Fax: 886-2-2788 2911

Email: info@syschips.com Web site: www.syschips.com

M1G0-01001 BLOCK DIAGRAM



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