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M6200 Product Operation:

American Microsystems' M6200 is the host receiver for the companion M6000 wireless barcode decoder. This system provides a means of wireless transmission of barcode data and then of receiving this data from the M6200 host as simulated keyboard keystrokes ("wedge") to an IBM compatible PC. The intended uses for this product include point-of-sale and inventory applications in a business or industrial environment.

The M6200 consists an Atmel ATMega103 microcontroller operating at 4 MHz, a voltage regulator for RF power, an interface for connecting an undecoded barcode reading device (e.g. laser, wand, or CCD), an IBM PC compatible keyboard wedge interface, and finally of an RF Monolithics TR1000 radio frequency transceiver with a printed circuit board (PCB) based antenna.

M6200 Block Diagram:

