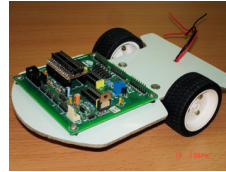
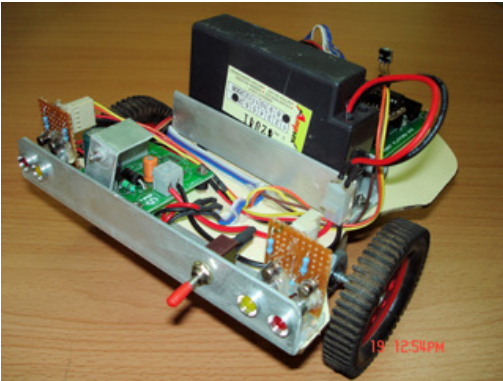


SCI/ROBO/3Whl-Plat-01



SCI/ROBO/3Whl-Plat-02



SCI/ROBO/3Whl-Plat-03

Available as kit, completely assembled & tested or available as individual components.

The microcontroller robot control board is available programmed or can be programmed by the user using an ISP programmer.

Remote control options available are RC5 TV remote control, RF 2.4GHz Zigbee, RF 434MHz.

General Description

- Based on ATMEL ATMEGA8 RISC micro
- Differential steering using twin DC motors
- Traction by "Large "2" wheels"
- Phillips RC5 TV IR remote control
- 12V SMF Lead acid battery
- 5V dc @ 3 A, SMPS based on LM2576-5
- 3V (Adj) @ 100 mA for Zigee/GPS
- Collision Detection, twin bump sensors
- Rear side flashers & stop light (LED's)
- Wide Varsity of Robotic chassis
- Wide range of Geared DC motor speeds

The heart of the system is our universal robot control board

- Based on ATMEGA8 microcontroller
- Differential steering for navigation
- Twin DC motors, L293D H-Bridge driver
- Six Channel 10 bit AD converter
- Interrupt logic circuitry for four inputs
- Six digital I/O (when A/D converter not used)
- Provision for controlling two servo motors
- Full duplex TTL Serial communication
- Onboard ISP interface

