

Abstract

The automatic car is an integrated knowledge of electronics, electrical, mechanical, electromechanical integration of self-propelled vehicles. Part of a complete self-propelled vehicle includes a power supply circuit, sensing circuit, motor circuit, CPU circuit, four battery, body, wheels, other hardware and the judgment the logical program from the software. The automatic car can be said to involve many areas of knowledge.

The automatic car is a composition from electronic components, circuit parts, related accessories and assembly part and programming part of the process of research and discussion. We chose the automatic car of core is 8051, because its hardware architecture and peripheral equipment is complete and powerful instruction set. And the program has many advantages such as replication functions. It is accord what we need. Use the modular program and the application of the subroutine, so the combination of programs is easier to read and modify.

In this seminar we will use sensing black line, ultrasound and voice to control the automatic car. Automate the automatic car system.