Microcomputer architecture

Components of a typical full-featured microcontroller

- switches
- on-off sensors
- external A/D or D/A
- digital displays
- on-off actuators
- external EEPROM
- other microcontrollers
- host computer
- analog actuators
- amplifiers
- analog displays
- analog sensors
- potentiometers
- monitored voltages

(http://www.engr.colostate.edu/~dga/mechatronics/figures/7-2.gif)