"Uno" means one in Italian. Arduino UNO consists of Atmega 328, 8 bit microcontroller from ARV Family. The Arduino Uno is a microcontroller board based on the ATmega328 (datasheet). It has 14 digital input/output pins (of which 6 can be used as PWM outputs), 6 analog inputs, a 16 MHz ceramic resonator, a USB connection, a power jack, an ICSP header, and a reset button. It contains everything needed to support the microcontroller; simply connect it to a computer with a USB cable or power it with a AC-to-DC adapter or battery to get started. Arduino does provide flexibility to designer for developing industrial grade devices for automation and security and lots more.