

ARDUINO-UNO BLUETOOTH DEVELOPMENT BOARD

INTRODUCTIONS

The arduino -bluetooth is a microcontroller board based on The atmega328.it has 14 digital input/output pins (of which 6 can Be used as pwm outputs), 6 analog inputs, a 16 mhz ceramic resonator, 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. It has bluetooth on board so this board can be Applied to android applications and wireless applications.

SPECIFICATION

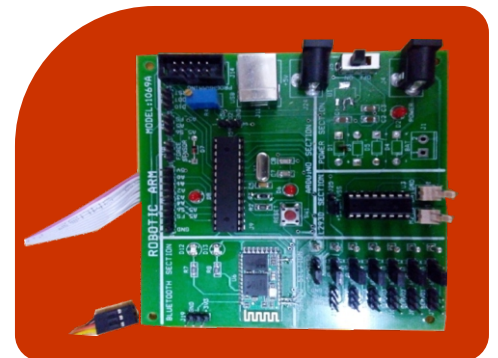
Microcontroller	ATmega328
Operating Voltage	5V,2A
Digital I/O Pins	14 (of which 6 provide PWM output)
Analog Input Pins	6
DC Current per I/O	Pin40 Ma
DC Current for 3.3V Pin	50 mA
Flash Memory	32 KB (ATmega328) of which 0.5 KB used by bootloader
SRAM	2 KB
EEPROM	1 KB
Clock Speed	16 MHz
Communication	USB2.0,BLUETOOTH

COMMUNICATION

- On board Bluetooth(7,8)PINS is used to have wireless communication .for ANDROID APPLICATIONS,AND WIRELESS MATLAB AND LABVIEW CONTROL.
- The Arduino Uno has a number of facilities for communicating with a computer, another Arduino, or other microcontrollers. The ATmega 328 provides UART TTL (5V) serial communication, which is available on digital pins 0 (RX) and 1 (TX).

MOTOR DRIVER

- Motor Driver To Drive Dc Motor For Driving Robots Or Conveyer Driver To Drive Dc Motor For Driving Robots Or Conveyer Belt Or To Operate A Relay It has A On Board DC .



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