





- Arduino Nedir?
- Arduino Öncesi
- Arduino Çeşitleri
- Arduino Uno
- Arduino Shield'lar



Arduino Nedir?





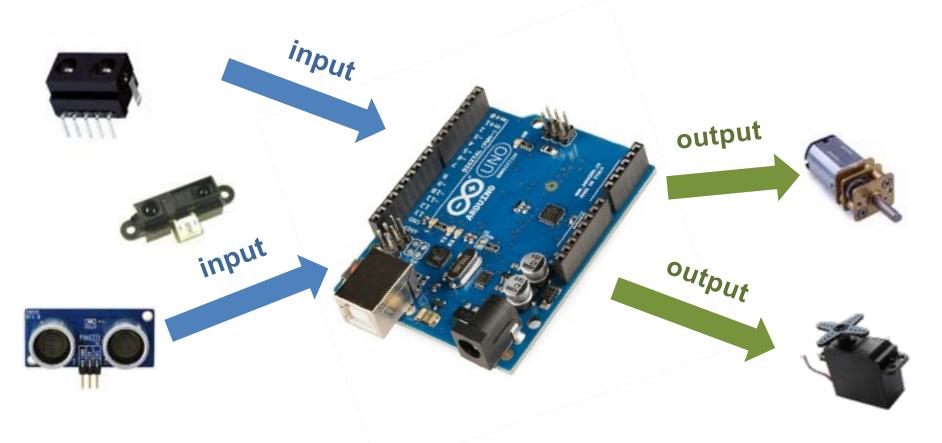
Arduino Nedir?

- Algılama
- Hareket
- Enerji
- Zeka





Arduino Nedir?



Sensör

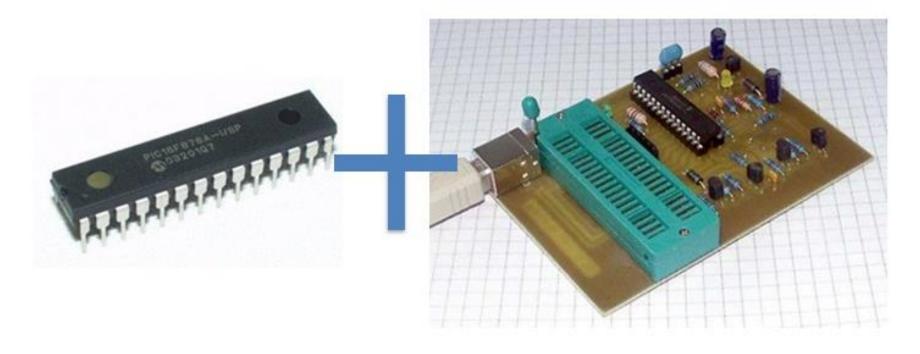
Mikroişlemci

Motor



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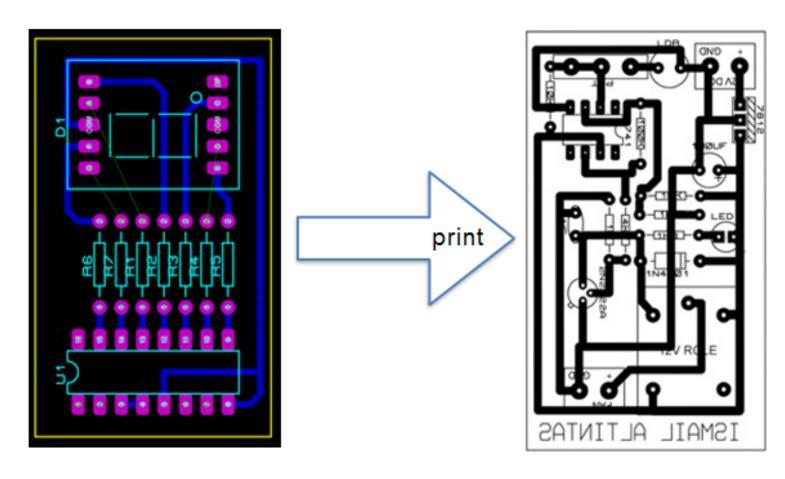




16F876A Microcontroller

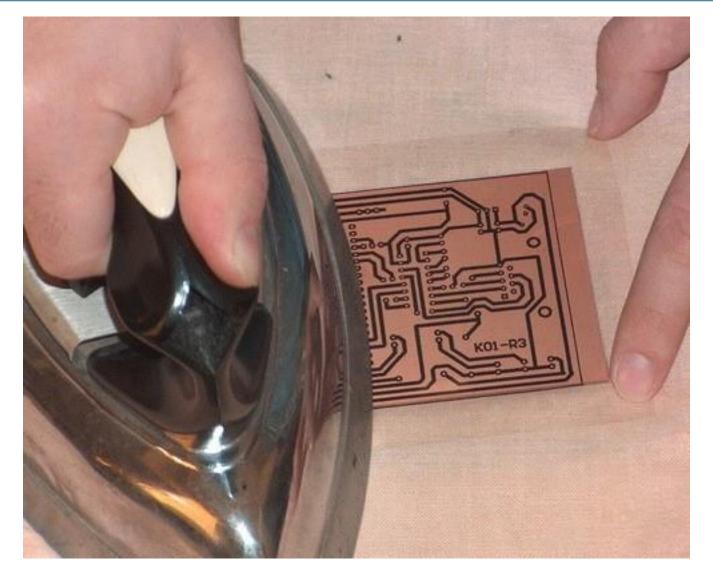
USB Pic Programlayıcı





Proteus - Ares Kağıt





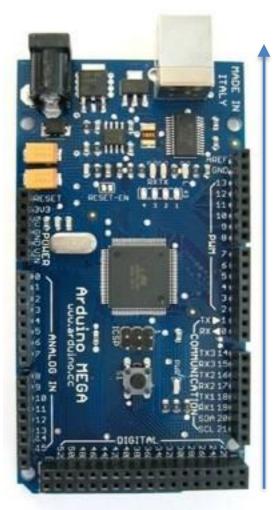




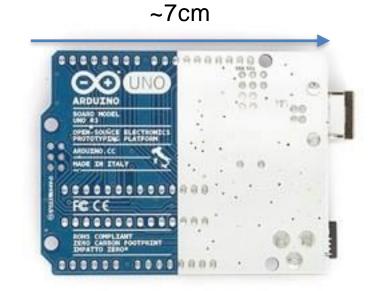


- **★**Stabilite
- **★**Tasarım
- **★**Kolay Kod Atmak
- **★**Kolay Programlama
- **★**Kaynak ve Library Desteği
- ★Ücret

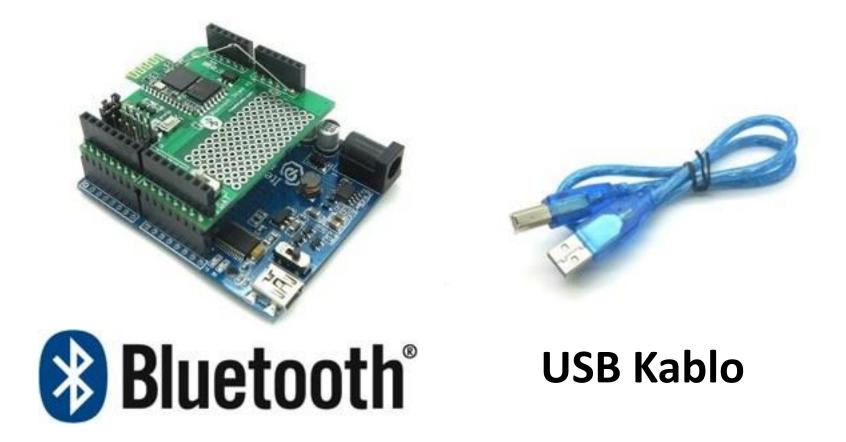




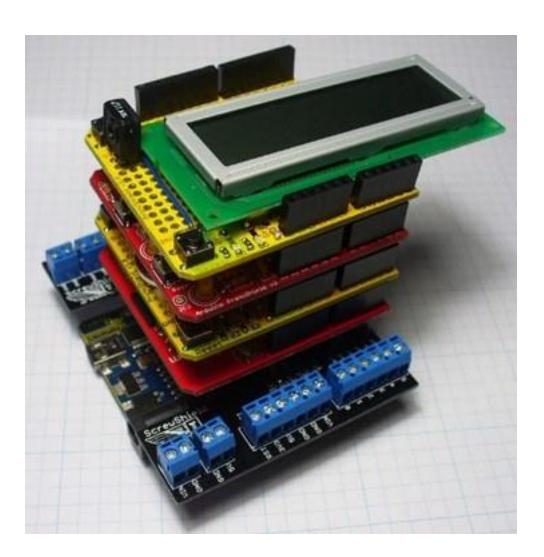
~11cm











- *****Open Source Community
- *Shield
- *IDE
- *****Library



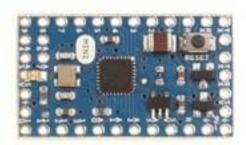
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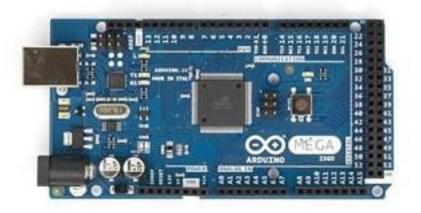
Arduino Çeşitleri



UNO



Mini



Mega 2560



Nano



Arduino Çeşitleri



LilyPad



Robot



Esplora

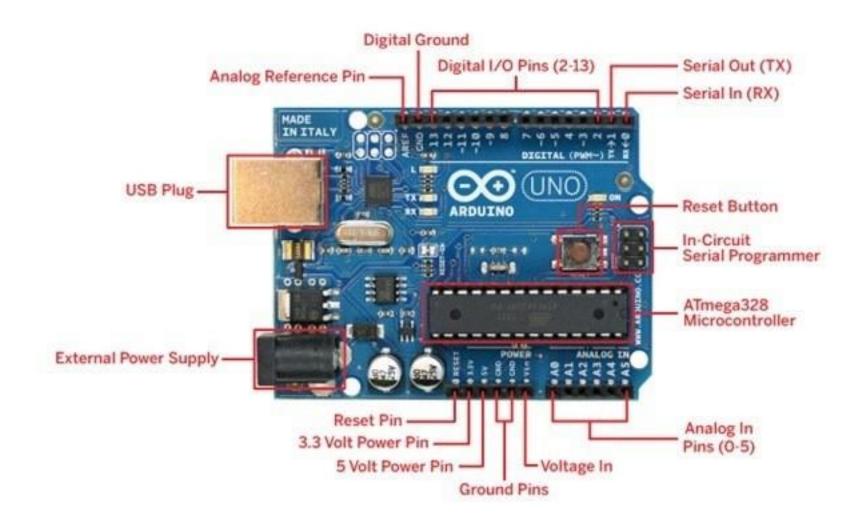




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Arduino UNO





Arduino UNO

Microcontroller ATmega328

Operating Voltage 5V

Input Voltage 7-12V

Input Voltage (limits) 6-20V

Digital I/O Pins 14 (of which 6 provide PWM output)

Analog Input Pins 6

DC Current per I/O Pin 40 mA

DC Current for 3.3V Pin 50 mA

Flash Memory 32 KB (ATmega328)0.5 KB used by bootloader

SRAM 2 KB (ATmega328)

EEPROM 1 KB (ATmega328)

Clock Speed 16 MHz

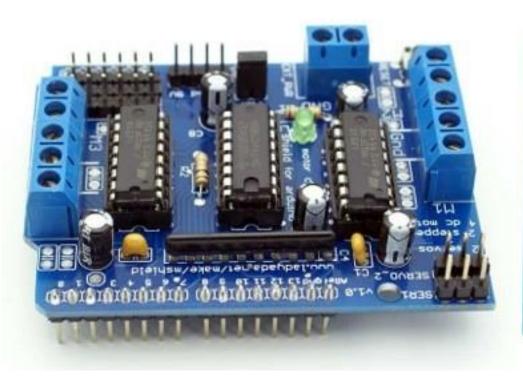


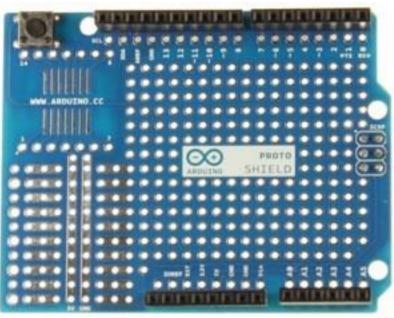


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Arduino Shield'lar





Motor Shield

Proto Shield



Arduino Shield'lar





GSM Shield

Wifi Shield



Sorulariniz?