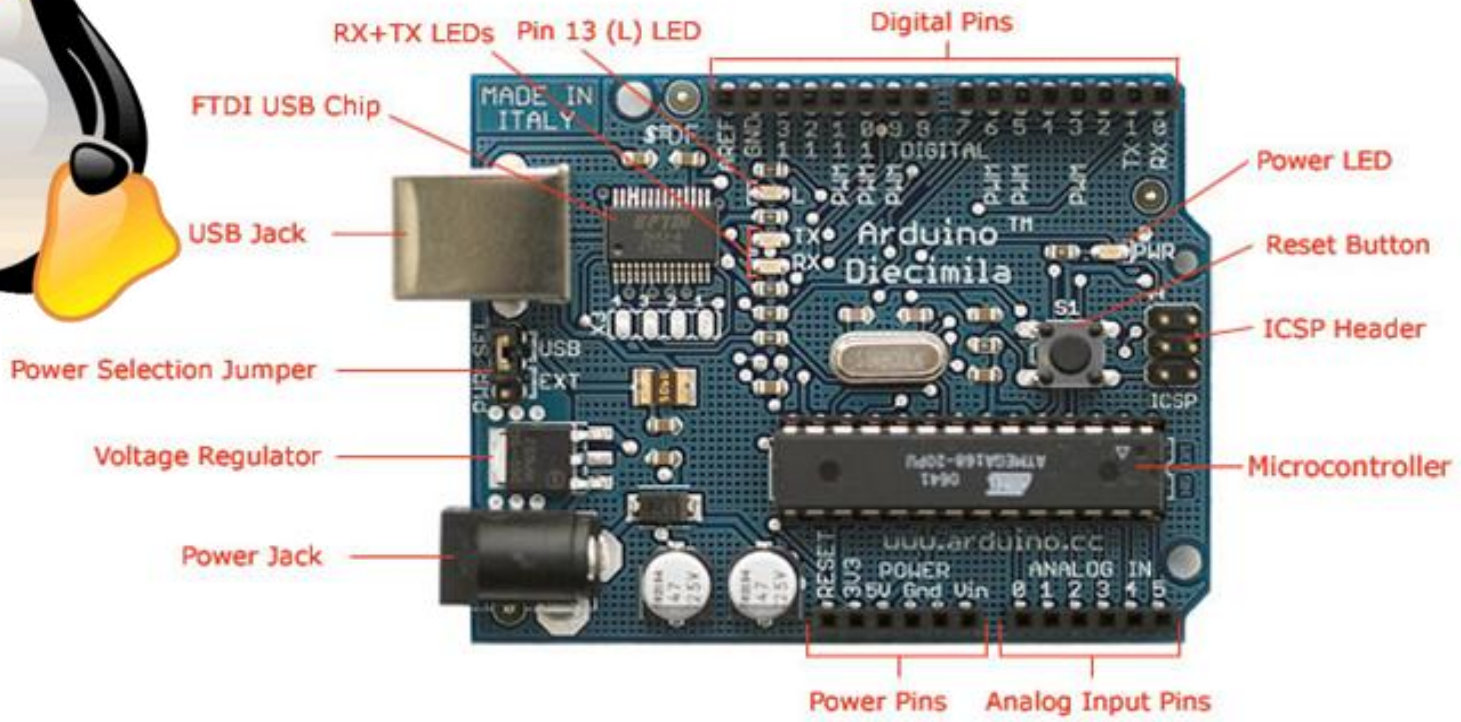


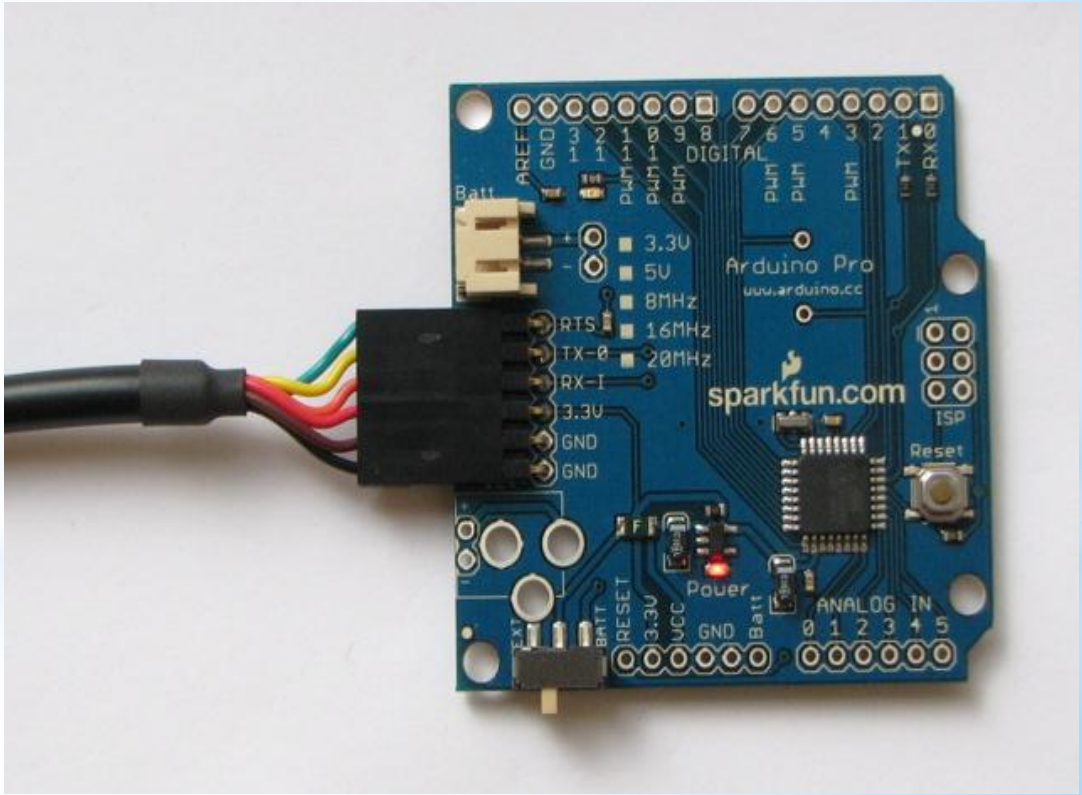
ELETTRONICA Open-source: Arduino

FERMI

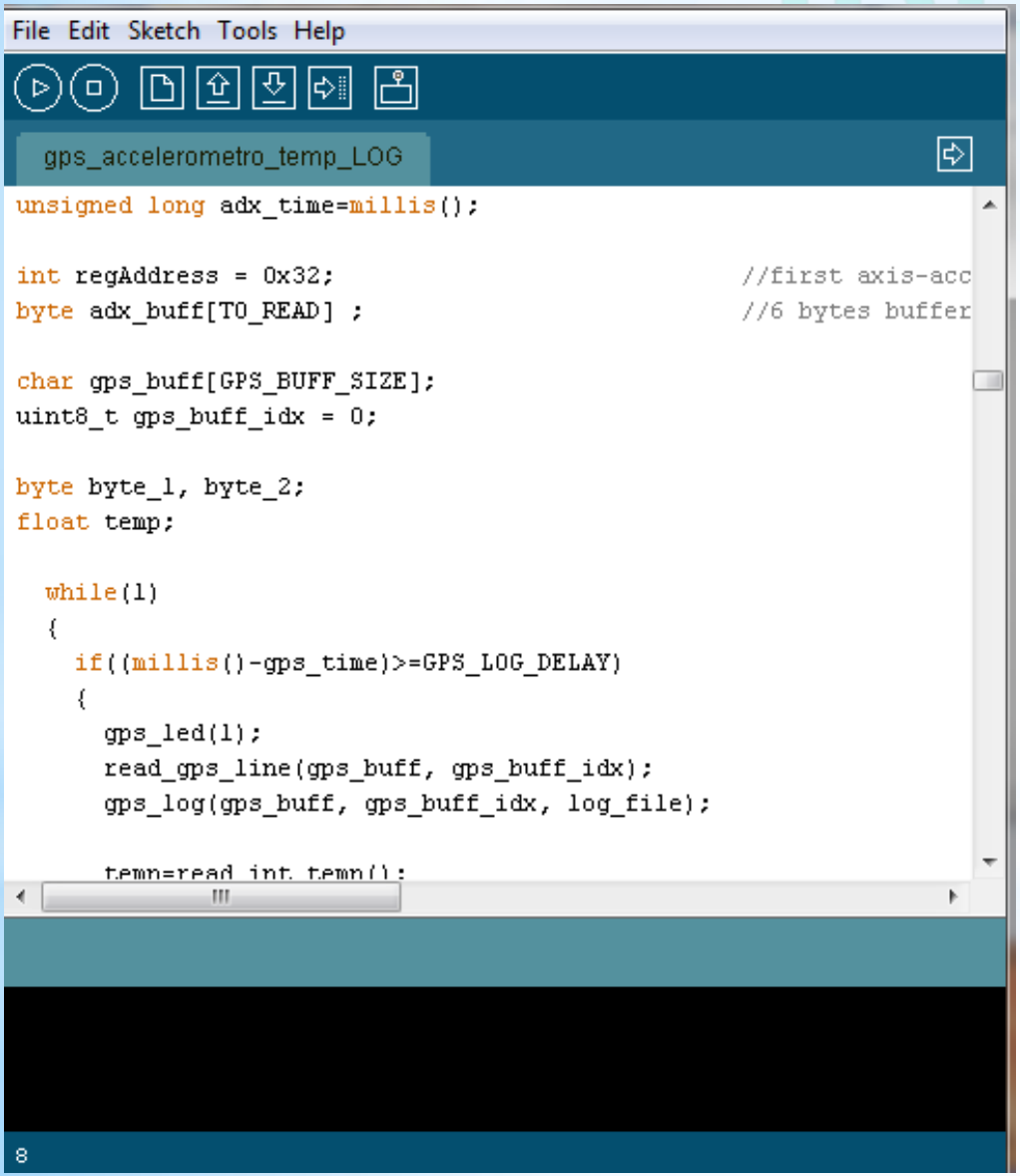
ARDUINO
SCHEDINA ELETTRONICA
SHIELD
MICROCONTROLLORI ATMEL
PSEUDO C++
BOOTLOADER
UNO, MEGA, NANO, PRO, ecc…
SOFTWARE IDE
OPEN - SOURCE

BOOTLOADER

"PROGRAMMATORE DI SE STESSO"

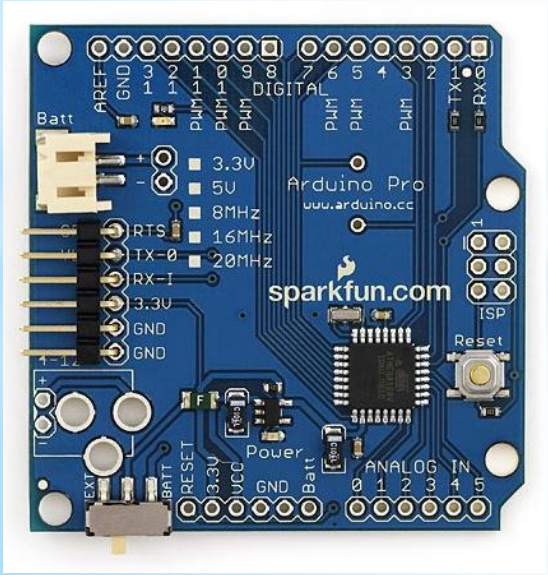


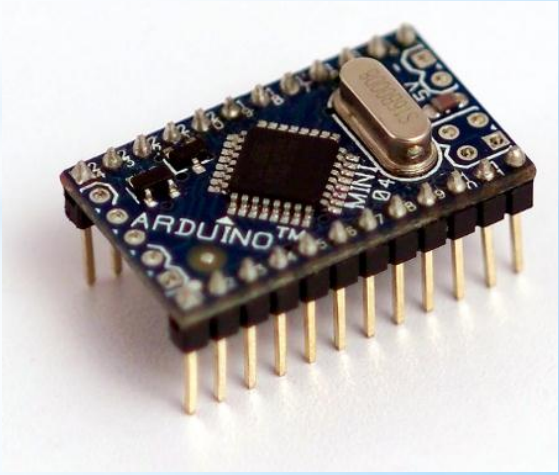
IDE



- SEMPLICE.
- INTUITIVO.
- LINGUAGGIO DI PROGRAMMAZIONE: PSEUDO C++.
- FUNZIONI OBBLIGATORIE: setup() e loop().

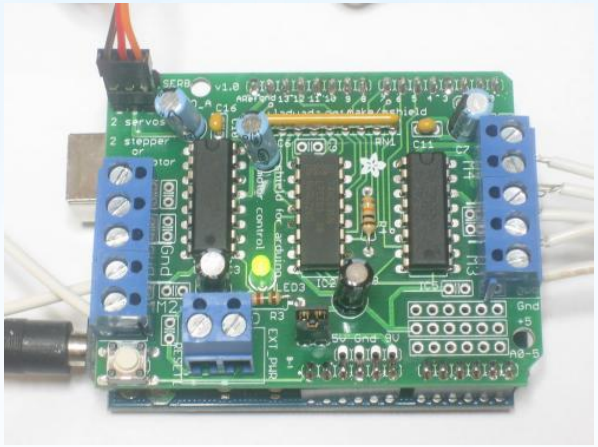
VARIETÀ SCHEDE

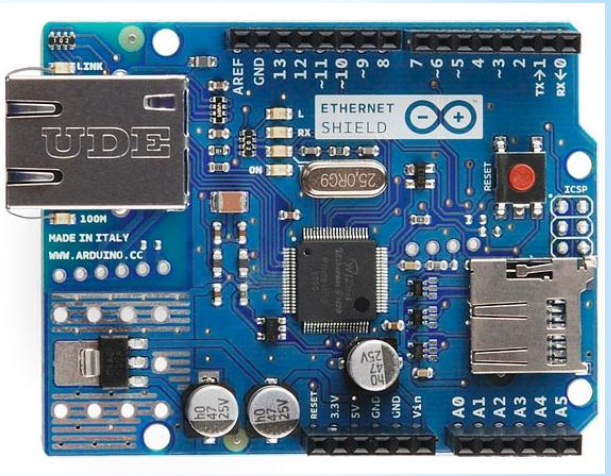


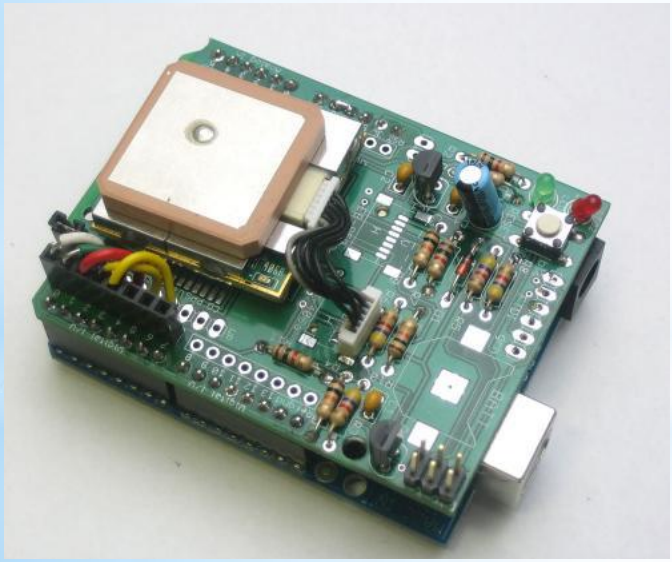


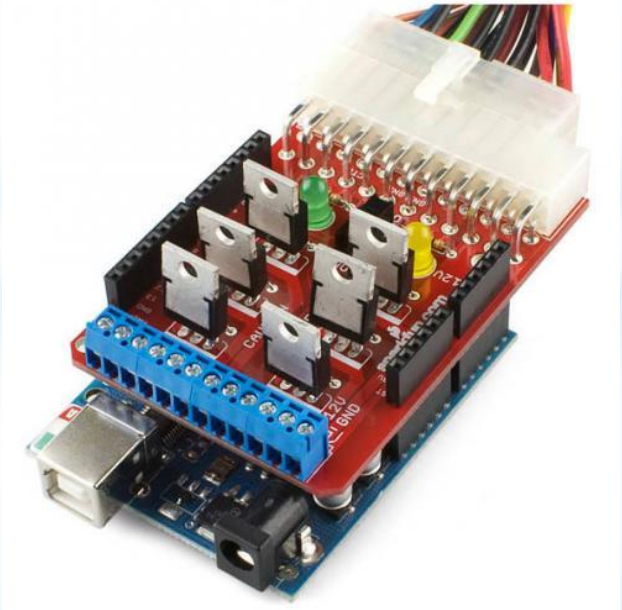
SHIELD

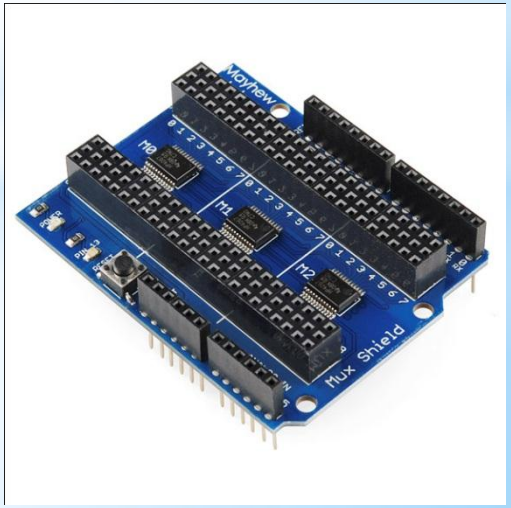
ESPANDIBILITA’











ESEMPIO DI CODICE

```
int pinLed=13;

void setup()
{
  pinMode(pinLed, OUTPUT);
}

void loop()
{
  digitalWrite(pinLed, HIGH);
  delay(1000);
  digitalWrite(pinLed, LOW);
  delay(1000);
}
```