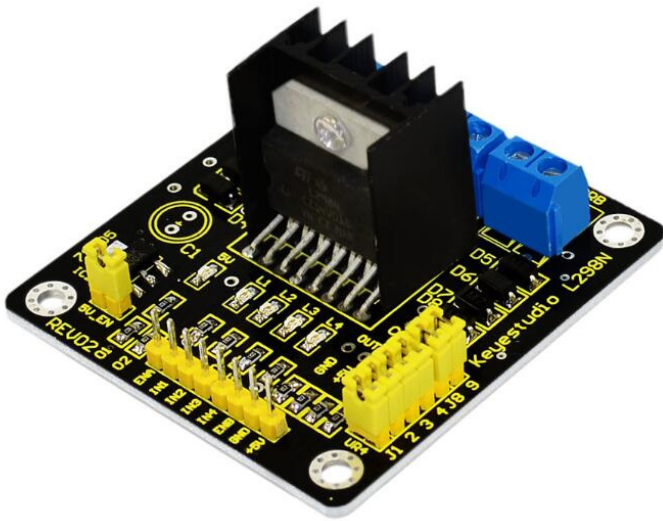


# L298N Motor Driver Module

XC4492 Datasheet

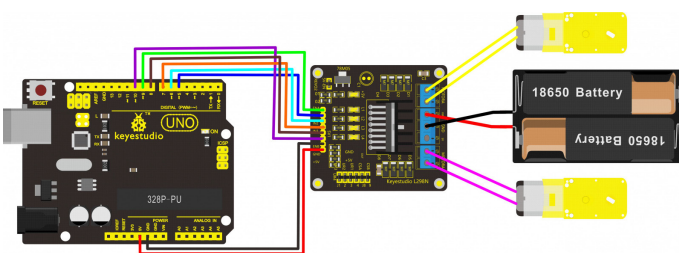


Using L298N made by ST Company as the control chip, the module has characteristics of strong driving ability, low calorific value and strong anti-interference ability. This module can use built-in 78M05 for electric work via a driving power supply part. But to avoid the damage of the voltage stabilizing chip, please use an external 5V logic supply when using more than 12V driving voltage. Using large capacity filter capacitor, this module can follow current to protect diodes, and improve reliability.

## Specification

Working mode: H bridge (double lines)  
Control chip: L298N (ST)  
Logical voltage: 5V  
Driving voltage: 5V-35V  
Logical current: 0mA-36mA  
Driving current: 2A (MAX single bridge)  
Storage temperature: (-20 °C)-(+135 °C)  
Maximum power: 25W

## Connection Diagram



## Video



## Sample Code

```
int IN1=5;
int IN2=6;
int IN3=7;
int IN4=8;
int ENA=9;
int ENB=10;
void setup()
{
  for (int i = 5; i < 11; i++)
  {
    pinMode(i, OUTPUT);
  }
}
void loop()
{
  // rotate CW
  digitalWrite(IN1,LOW);
  digitalWrite(IN2,HIGH);
  analogWrite(ENA,200);
  digitalWrite(IN3,LOW);
  digitalWrite(IN4,HIGH);
  analogWrite(ENB,200);
  delay(1000);
  // pause for 1S
  analogWrite(ENA,0);
  analogWrite(ENB,0);
  delay(1000);
  // rotate CCW
  digitalWrite(IN1,HIGH);
  digitalWrite(IN2,LOW);

  analogWrite(ENA,100);
  digitalWrite(IN3,HIGH);
  digitalWrite(IN4,LOW);
  analogWrite(ENB,100);
  delay(1000);
  // pause for 1S
  analogWrite(ENA,0);
  analogWrite(ENB,0);
  delay(1000);
}
```