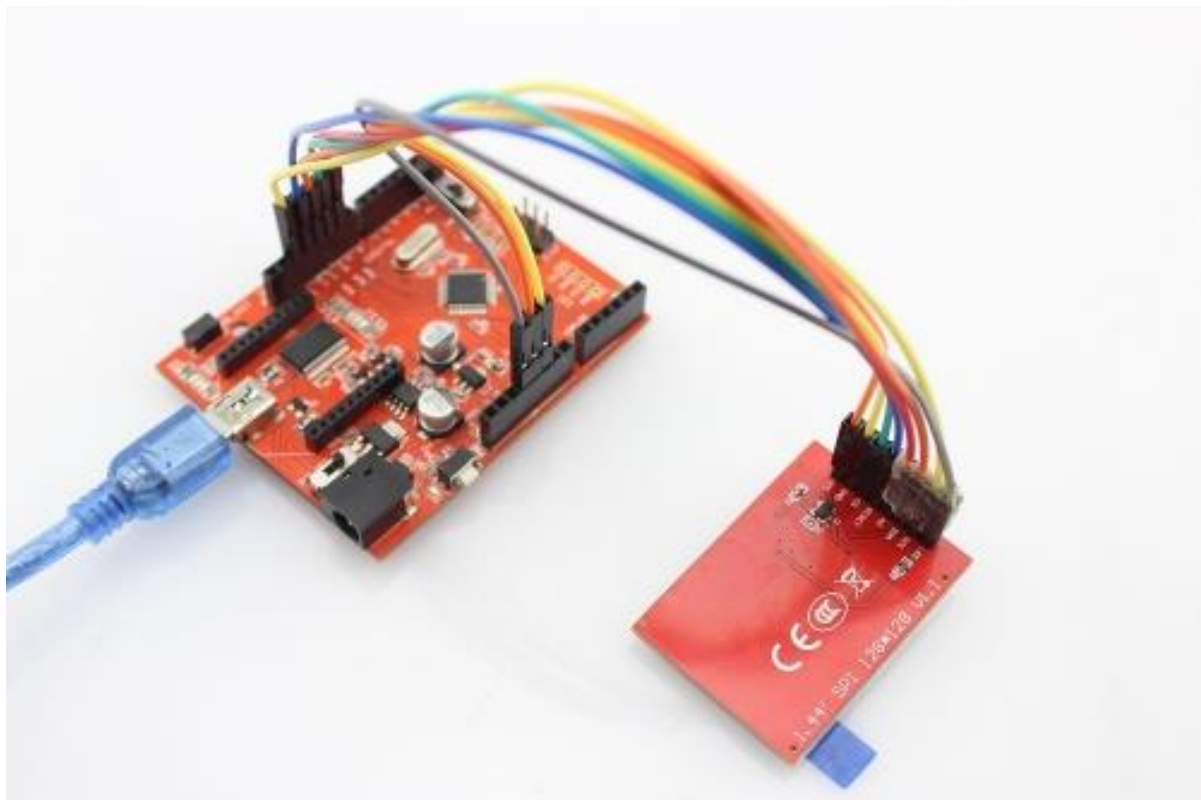1.Hardware connection

2.Connect the board to PC using USB cable.

3.Download the library [TFT_ILI9163C library](#);Unzip it into the libraries file of Arduino IDE by the path: ..\arduino-1.0.1\libraries.

4.Open the code directly by the path:File -> Example ->TFT_ILI9163C->test.

```cpp
#include <SPI.h>
#include <Adafruit_GFX.h>
#include <TFT_ILI9163C.h>

// All wiring required, only 3 defines for hardware SPI on 328P
#define __DC 9
#define __CS 10
// MOSI --> (SDA) --> D11
#define __RST 12
// SCLK --> (SCK) --> D13

// Color definitions
#define BLACK   0x0000
#define BLUE    0x001F
#define RED     0xF800
#define GREEN   0x07E0
#define CYAN    0x07FF
#define MAGENTA 0xF81F
#define YELLOW  0xFFE0
#define WHITE   0xFFFF

TFT_ILI9163C tft = TFT_ILI9163C(__CS, __DC, __RST);

void setup() {
  tft.begin();
}

void loop(){
  testLines(random(0x00ff,0xffff));
  delay(100);
  testText();
  delay(500);
}


unsigned long testText() {
```

```
    tft.fillScreen();
    unsigned long start = micros();
    tft.setCursor(0, 0);
    tft.setTextColor(WHITE);
    tft.setTextSize(1);
    tft.println("Hello World!");
    tft.setTextColor(YELLOW);
    tft.setTextSize(2);
    tft.println(1234.56);
    tft.setTextColor(RED);
    tft.setTextSize(3);
    tft.println(0xDEAD, HEX);
    tft.println();
    tft.setTextColor(GREEN);
    tft.setTextSize(4);
    tft.println("Hello");
    return micros() - start;
}

unsigned long testLines(uint16_t color) {
  tft.fillScreen();
  unsigned long start, t;
  int           x1, y1, x2, y2,
  w = tft.width(),
  h = tft.height();
  tft.fillScreen();
  x1 = y1 = 0;
  y2    = h - 1;
  start = micros();
  for(x2=0; x2<w; x2+=6) tft.drawLine(x1, y1, x2, y2, color);
  x2    = w - 1;
  for(y2=0; y2<h; y2+=6) tft.drawLine(x1, y1, x2, y2, color);
  t     = micros() - start; // fillScreen doesn't count against timing
  tft.fillScreen();
  x1    = w - 1;
  y1    = 0;
  y2    = h - 1;
  start = micros();
  for(x2=0; x2<w; x2+=6) tft.drawLine(x1, y1, x2, y2, color);
  x2    = 0;
```

```
   for(y2=0; y2<h; y2+=6) tft.drawLine(x1, y1, x2, y2, color);
   t    += micros() - start;
   tft.fillScreen();
   x1    = 0;
   y1    = h - 1;
   y2    = 0;
   start = micros();
   for(x2=0; x2<w; x2+=6) tft.drawLine(x1, y1, x2, y2, color);
   x2    = w - 1;
   for(y2=0; y2<h; y2+=6) tft.drawLine(x1, y1, x2, y2, color);
   t    += micros() - start;
   tft.fillScreen();
   x1    = w - 1;
   y1    = h - 1;
   y2    = 0;
   start = micros();
   for(x2=0; x2<w; x2+=6) tft.drawLine(x1, y1, x2, y2, color);
   x2    = 0;
   for(y2=0; y2<h; y2+=6) tft.drawLine(x1, y1, x2, y2, color);
   return micros() - start;
}
```

5.Upload the Code,you shoule see the display of LCD.