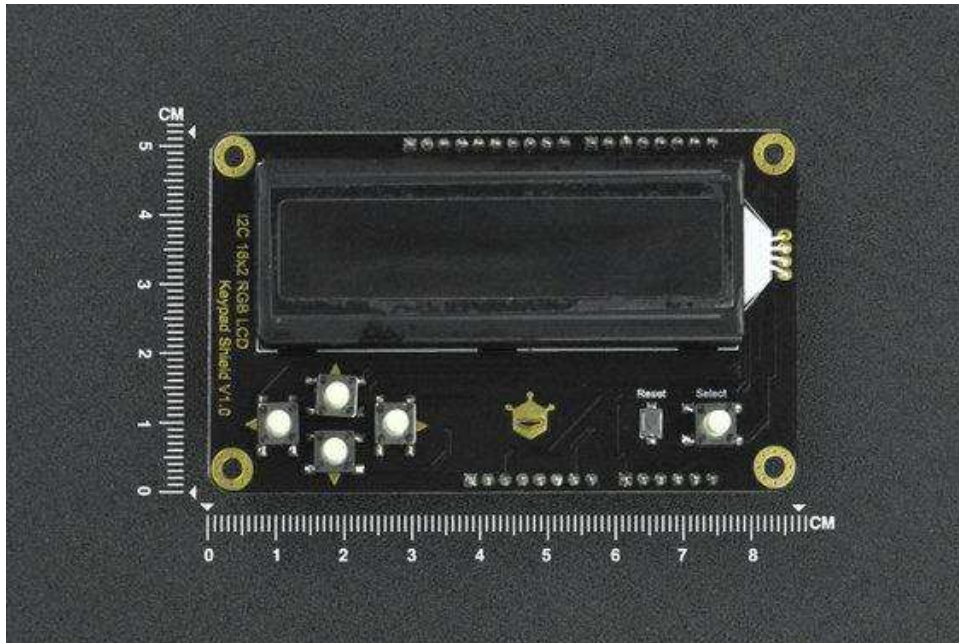# I2C RGB Backlight LCD 16x2 Display Module for Arduino (RGB Text)

SKU: DFR0936

INTRODUCTION

This shield with a 16×2 RGB LCD screen could bring you a brand-new experience with an LCD screen!

The RGB LCD shield extends all IOs of Arduino UNO on the back, by which you can connect with modules like sensors, LEDs, and servos while using this screen to display content. More possibilities for your creative projects！

Besides, there are 6 keys on the shield, 5 of which are programable and can be used to switch and set functions.

The 1602 RGB LCD shield adopts an integrated design approach and I2C communication. No more complicated wiring, you can directly plug this shield onto an Arduino controller, call the Arduino library, add a couple of lines of codes, then the screen can display numbers or characters.

This 1602 RGB LCD shield can not only be used in interactive projects but also suitable for building data monitoring platforms to feed back the real-time status of various devices.

Adjustable Full-color
RGB Backlight

FEATURES
- Extends all IOs of Arduino UNO on the back
- 5 keys are programable
- Adopts an integrated design approach and I2C communication

APPLICATIONS
- Interactive projects
- Data monitoring platforms

SPECIFICATION
- Operating Voltage: 3.3V~5.0V
- Operating Current: < 0.8mA
- Display: 16*2
- Communication: I2C
- Operating Temperature: -20 to+ 70℃
- Storage Temperature: -30 to+ 80℃
- Dimension: 87.0*52.0*14.8mm/3.43*2.05*0.58"

DOCUMENTS
- [Product Wiki](#)
- [Schematic](#)

SHIPPING LIST
- I2C RGB Backlight LCD 16x2 Display Module for Arduino (RGB Text) x1

https://www.dfrobot.com/product-2612.html   3-14-23