



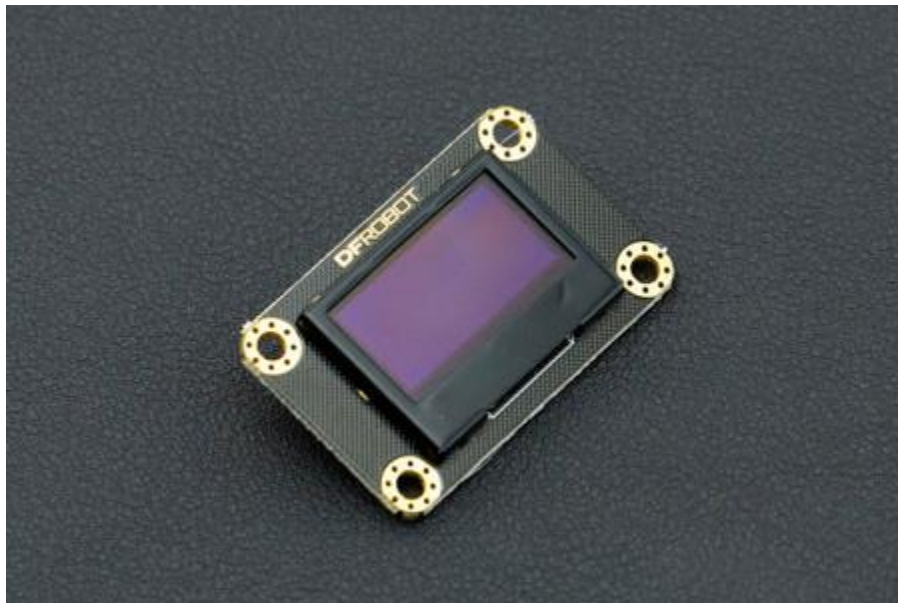
Part Number: DFR0486

Description: Gravity I2C OLED-2864 Display

INTRODUCTION

An OLED (organic light-emitting diode) has many advantages over traditional LCD displays, including a faster response speed, thinner profile, lower power consumption and excellent shock resistance. An OLED can be widely used in mobile devices for display applications. Used in conjunction with a mini Arduino-based microcontroller such as the Beetle or CurieNano, it is a straightforward process to make a simple wearable application.

Our Gravity OLED 12864 display is a self-luminous display module with a blue background. The display area is 0.96" and uses an IC SSD1306 chip. The OLED screen supports I2C communication and refresh rates of up to 60Hz. The module uses the Gravity I2C common interface for easy plug and play usage – meaning you can connect it without the need for wires - just plug it straight in to your device. The display bezel is constructed from aluminum alloy which protects the screen from scratches and damage.



FEATURES

- Supports Gravity-I2C interface, plug and play compatible
- Metal bezel for ultimate protection

- 4 x M3 screw mount holes for simple installation
- Supports Arduino/Genuino 101 devices

SPECIFICATION

- Operating Voltage: 3.3V ~ 5V
- Background Color: blue
- Pixels: 128 columns X 64 Rows
- Interface mode: Gravity-I2C
- Scanning Rate: 60 fps
- Brightness: 60 (Typ) cd / m²
- Full screen power consumption: 22.75mA Approx.
- Working Temperature: -30 °C ~ +70 °C
- Display Area: 21.744 × 10.864mm / 0.85 x 0.43"
- Module Size: 41.20 × 26.20mm / 1.62 x 1.03"
- Mounting Hole Size: 35 x 20 mm/ 1.38 x 0.78"
- Module Weight: 15g

SHIPPING LIST

- Gravity I2C OLED-2864 Display x1
- Gravity I2C PH2.0-4P Cable x1