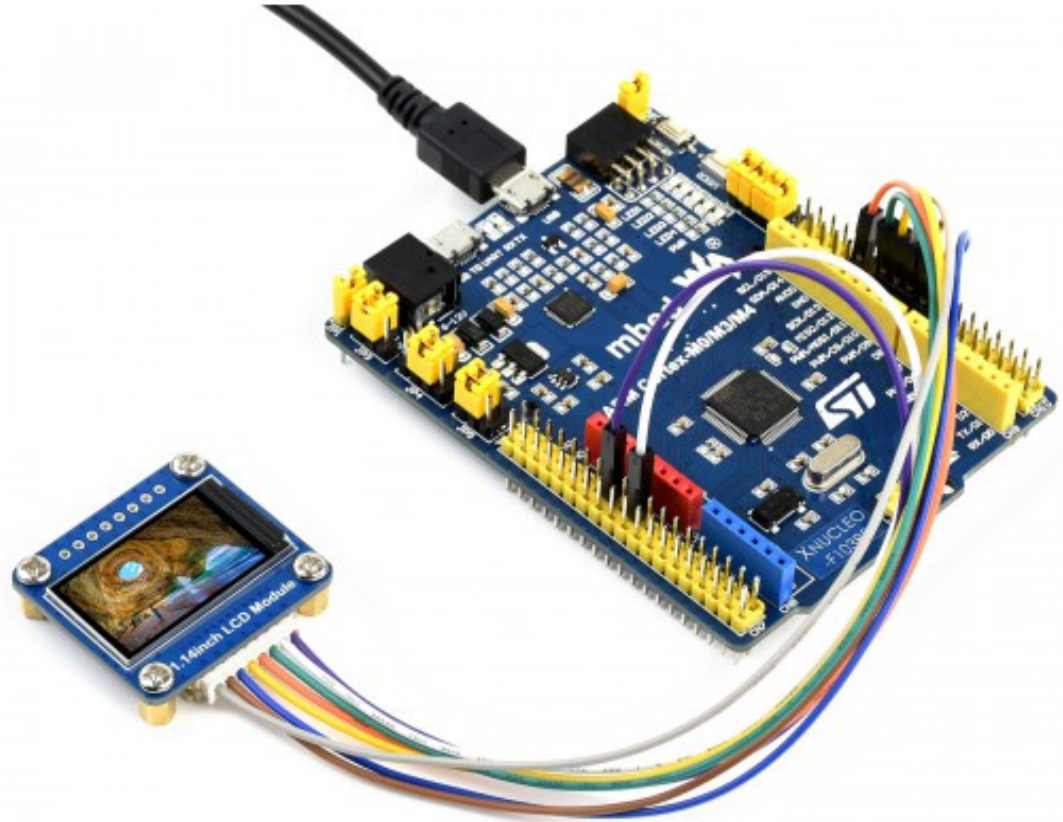# 240×135, General 1.14inch LCD Display Module, IPS, 65K RGB

**SKU:** 18231
**Part Number:** 1.14inch LCD Module
**Brand:** Waveshare

## $7.99

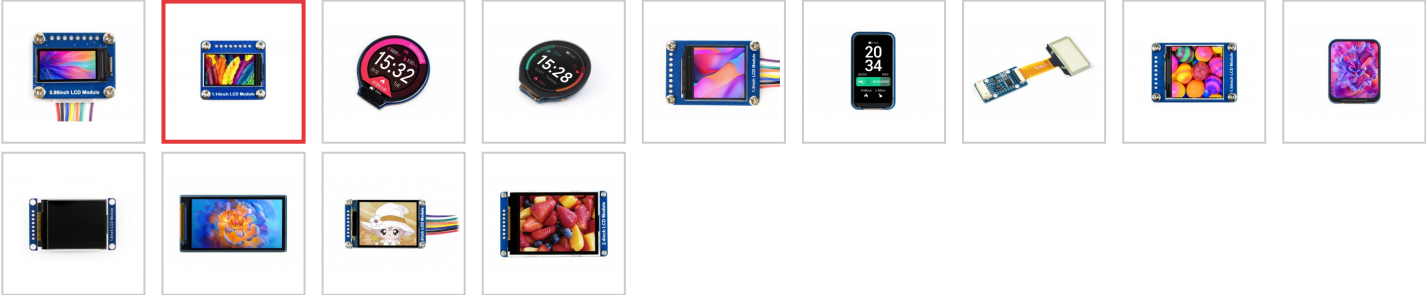| 1 |
| ADD TO CART |

(?) Help

$7.59

$7.31

100+

**Related Products:**

# 1.14" LCD DISPLAY MODULE
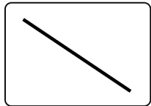
Embedded ST7789 Driver, Using SPI Bus

Comes with examples for Raspberry Pi, Arduino, STM32, etc.



**Size**

1.14"

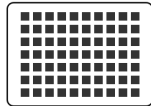**Resolution**

240×135

**Display Color**
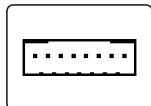
65K RGB

**Display Panel**

*IPS*

IPS

**Interface**

SPI

**Driver**
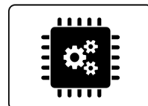
ST7789

# Features At A Glance

- 240×135 resolution, 65K RGB colors, clear and colorful displaying effect

- SPI interface, minimizes required IO pins, supports controller boards like Raspberry Pi/Arduino/STM32
  DESCRIPTION                                                                    PACK/
- Comes with development resources (examples for Raspberry Pi/Arduino/STM32)

# Specifications

| OPERATING VOLTAGE | 3.3V/5V | RESOLUTION | 240 × 135 pixels |
|---|---|---|---|
| COMMUNICATION INTERFACE | 4-wire SPI | DISPLAY SIZE | 24.91 × 14.86mm |
| DISPLAY PANEL | IPS | PIXEL SIZE | 0.1101 × 0.1035mm |
| DRIVER | ST7789 | DIMENSIONS | 35.00 × 32.00mm |

# Controlled Via SPI Bus

Supports Controller Boards Like Raspberry Pi/Arduino/STM32

- SPI interface, minimizes required IO pins, supports controller boards like Raspberry Pi/Arduino/STM32
  DESCRIPTION
- Comes with development resources (examples for Raspberry Pi/Arduino/STM32)

| VCC | Power (3.3V/5V input) |
|-----|------------------------|
| GND | Ground |
| DIN | SPI data input |
| CLK | SPI clock input |
| CS | Chip selection, low active |
| DC | Data/Command selection (high for data, low for command) |
| RST | Reset, low active |
| BL | Backlight |

# Hardware Connection
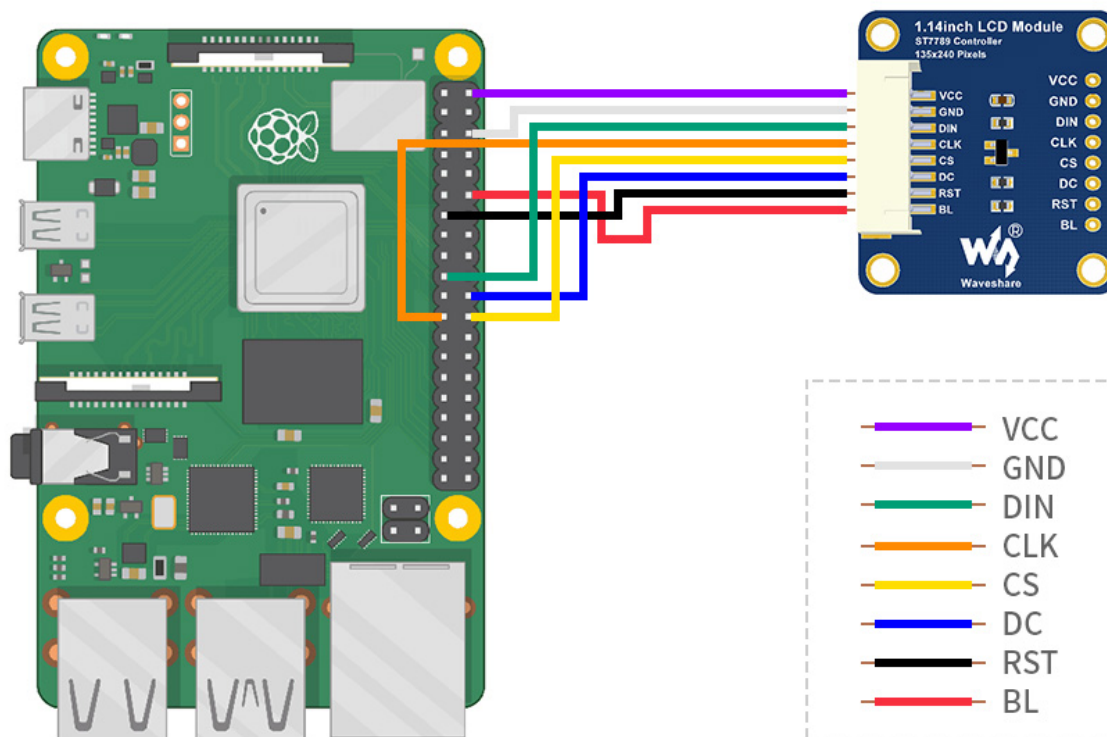
## Connecting With Arduino Board

1.14inch LCD Module
ST7789 Controller
135x240 Pixels

| VCC | VCC |
| GND | GND |
| DIN | DIN |
| CLK | CLK |
| CS | CS |
| DC | DC |
| RST | RST |
| BL | BL |

Waveshare

| | VCC |
| | GND |
| | DIN |
| | CLK |
| | CS |
| | DC |
| | RST |
| | BL |
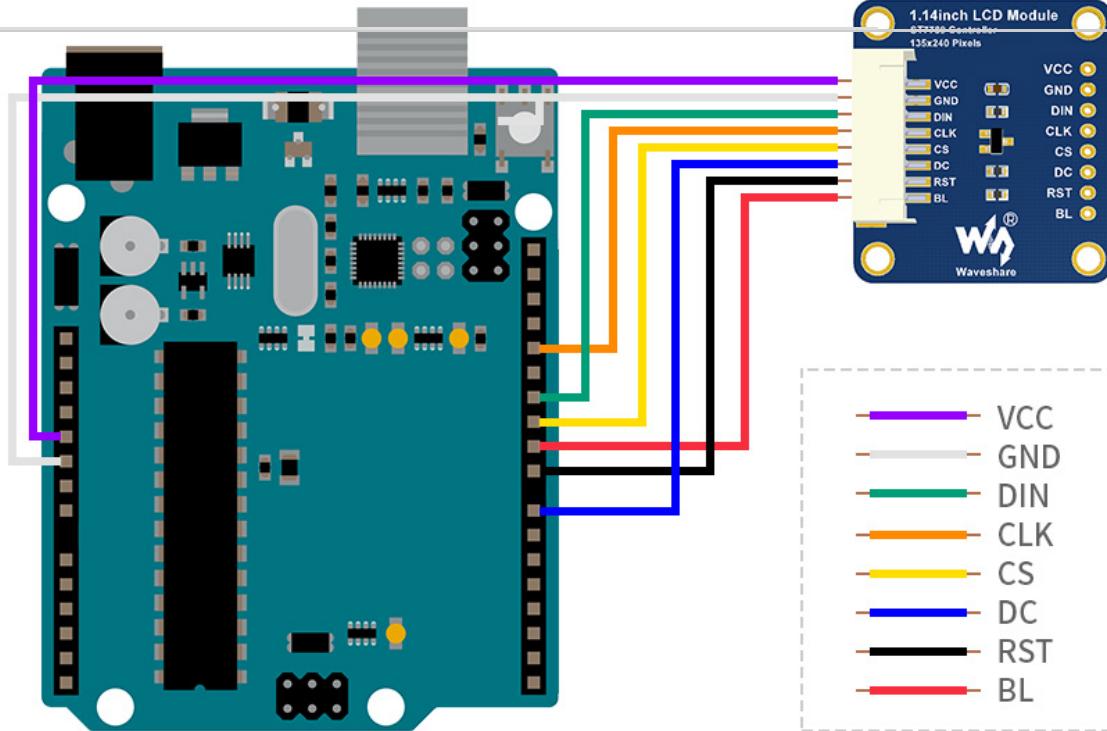
# Living Example

# Outline Dimensions

35.00

24.91

32.00

14.86

3.00

2.50

2.50

1.14inch LCD Module

Unit:mm
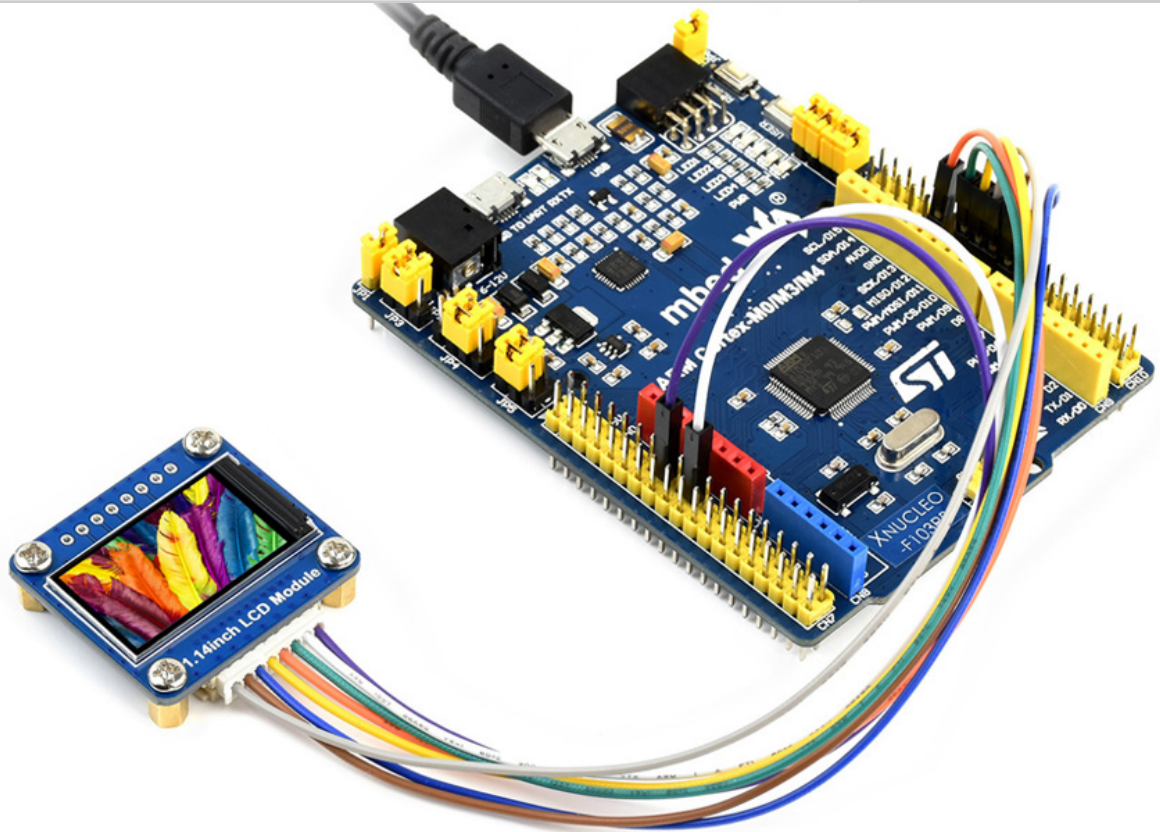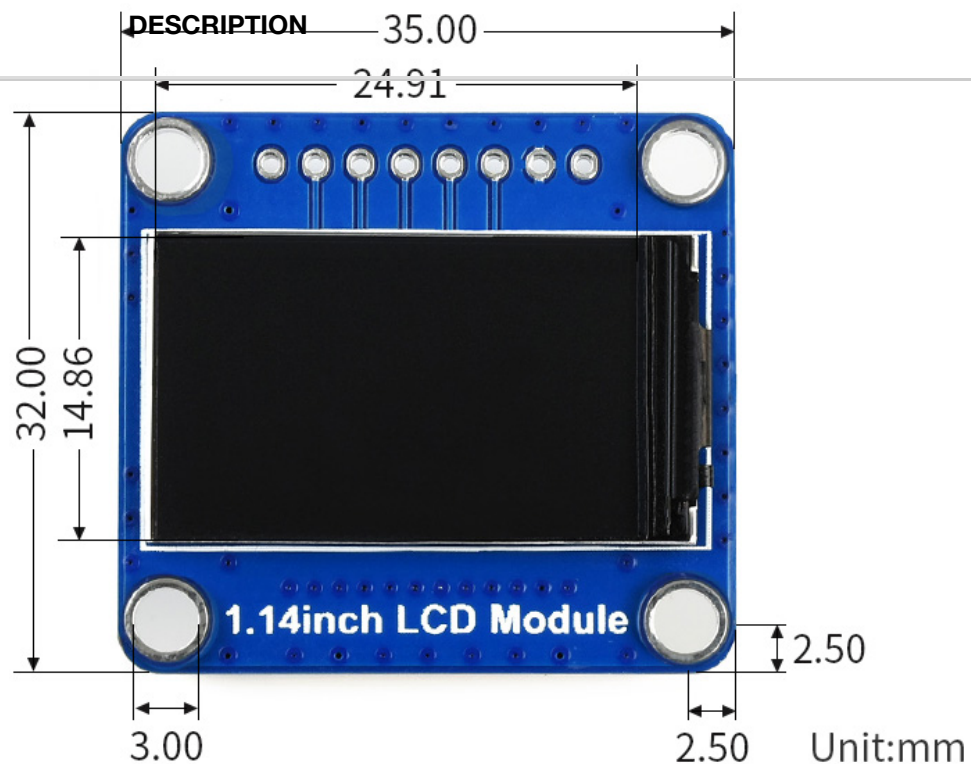
# Resources & Services

WAVESHARE ORIGINAL ✓

PROFESSIONAL TECH SUPPORT

RICH RESOURCES MANUAL & DEMO

**Wiki:** www.waveshare.com/wiki/1.14inch_LCD_Module

## Selection Guide

| PART NUMBER | TYPE | COLOR | RESOLUTION | DISPLAY SIZE (MM×MM) | INTERFACES | DRIVER | DIMENSION (MM×MM) | PINHEADER |
|---|---|---|---|---|---|---|---|---|
| 0.91inch OLED Module | OLED | White | 128×32 | 22.38×5.58 | I2C | 1306 | 36.0×12.5 | PH2.0 connector |
| 0.95inch RGB OLED (A) | OLED | 65K colorful | 96×64 | 20.14×13.42 | SPI(4-wire SPI) | 1331 | 31.7×37.0 | angled/horizontal |

| Product | Type | Color | Resolution | Dimensions | Interface | Controller | Size | Package |
|---|---|---|---|---|---|---|---|---|
| 0.95inch RGB OLED (B) | OLED | 65K colorful | 96×64 | 20.14×13.42 | SPI(4-wire SPI) | 1331 | 31.7×37.0 | straight/vertical |
| 0.96inch LCD Module | IPS | 65K colorful | 160×80 | 21.70×10.80 | 4-wire SPI | ST7735S | 32.5×26.0 | PH2.0 connector |
| 0.96inch OLED (A) | OLED | 1/4 yellow section, 3/4 blue section* | 128×64 | 21.7×11.2 | 3-wire SPI, 4-wire SPI, I2C | 1306 | 33.0×33.5 | angled/horizontal |
| 0.96inch OLED (B) | OLED | 1/4 yellow section, 3/4 blue section* | 128×64 | 21.7×11.2 | 3-wire SPI, 4-wire SPI, I2C | 1306 | 33.0×33.5 | straight/vertical |
| 0.96inch OLED Module (C) | OLED | 1/4 yellow section, 3/4 blue section* | 128×64 | 21.74×11.18 | 4-wire SPI, I2C | SSD1315 | 26.0×26.0 | straight/vertical |
| 0.96inch OLED Module (D) | OLED | White | 128×64 | 21.74×11.18 | 4-wire SPI, I2C | SSD1315 | 26.0×26.0 | straight/vertical |
| 0.96inch OLED Module (E) | OLED | Blue | 128×64 | 21.74×11.18 | 4-wire SPI, I2C | SSD1315 | 26.0×26.0 | straight/vertical |
| 1.14inch LCD Module | IPS | 65K colorful | 240×135 | 24.91×14.86 | 4-wire SPI | ST7789 | 35.0×32.0 | PH2.0 connector |
| 1.27inch RGB OLED Module | OLED | 262K colorful | 128×96 | 25.708×19.28 | 3/4-wire SPI | SSD1351 | 42.2×29.0 | GH1.25 connector |
| 1.28inch LCD Module | IPS | 65K colorful | 240×240 | Φ32.4mm | 4-wire SPI | GC9A01 | 40.4×37.5 Φ37.5 | PH2.0 connector |
| 1.28inch Touch LCD | IPS (with touch) | 65K colorful | 240×240 | Φ32.4mm | 4-wire SPI, I2C | GC9A01, CST816S | 39.89×38.5 Φ38.5 | GH1.25 connector |
| 1.3inch LCD Module | IPS | 65K colorful | 240×240 | 23.40×23.40 | 4-wire SPI | ST7789 | 45.0×31.0 | PH2.0 connector |
| 1.3inch OLED (A) | OLED | Blue | 128×64 | 29.42×14.7 | 3-wire SPI, 4-wire SPI, I2C | SH1106 | 40.5×37.5 | angled/horizontal |
| 1.3inch OLED (B) | OLED | Blue | 128×64 | 29.42×14.7 | 3-wire SPI, 4-wire SPI, I2C | SH1106 | 40.5×37.5 | straight/vertical |
| 1.3inch OLED Module (C) | OLED | White | 64×128 | 14.70×29.42 | 4-wire SPI, I2C | SH1107 | 30.0×39.5 | PH2.0 connector |
| 1.32inch OLED Module | OLED | White (16 gray scale) | 128×96 | 26.86×20.14 | 4-wire SPI, I2C | SSD1327 | 34.3×30.5 | GH1.25 connector |
| 1.47inch LCD Module | LCD | 262K colorful | 172×320 | 17.39×32.35 | 4-wire SPI | ST7789V3 | 22.0×38.5 | PH2.0 connector |
| 1.5inch OLED Module | OLED | White (16 gray scale) | 128×128 | 26.86×26.86 | 4-wire SPI, I2C | 1327 | 44.5×37.0 | PH2.0 connector |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5inch OLED Module (B) | OLED | White **DESCRIPTION** 128×128 | 26.855×26.855 | 4-wire SPI, I2C | SH1107 | 38.5×44.5 | GH1.25 connector | | **PACKA** |
| | 1.5inch RGB OLED Module | OLED | 65K colorful | 128×128 | 26.86×26.86 | 3-wire SPI, 4-wire SPI | 1351 | 44.5×37.0 | PH2.0 connector | |
| | 1.54inch LCD Module | IPS | 65K colorful | 240×240 | 27.72×27.72 | 4-wire SPI | ST7789 | 50.0×35.0 | PH2.0 connector | |
| | 1.69inch LCD Module | IPS | 262K colorful | 240×280 | 27.97×32.63 | 4-wire SPI | ST7789V2 | 31.5×39.0 | GH1.25 connector | |
| | 1.8inch LCD Module | TFT | 65K colorful | 128×160 | 34.50×28.30 | 4-wire SPI | ST7735S | 56.5×34.0 | PH2.0 connector | |
| | 1.9inch LCD Module | IPS | 262K colorful | 170×320 | 22.70×42.72 | 4-wire SPI | ST7789V2 | 51.2×27.3 | GH1.25 connector | |
| | 2inch LCD Module | IPS | 262K colorful | 240×320 | 30.60×40.80 | 4-wire SPI | ST7789 | 58.0×35.0 | PH2.0 connector | |
| | 2.4inch LCD Module | TFT | 65K colorful | 240×320 | 36.72×48.96 | 4-wire SPI | ILI9341 | 70.5×43.3 | PH2.0 connector | |

*Note: the 0.96inch OLED consists of 1/4 yellow upper section and 3/4 blue lower section, not a regular dual-color display.