

2.4 Inch TFT LCD Touch Screen with 240x320 Resolution 6 O'clock Viewing Direction and 180Cd/M2 Brightness

Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO9001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.78-7USD
- Packaging Details: CARTON
- Delivery Time: 3-4WEEKS
- Payment Terms: T/T
- Supply Ability: 300000/MONTH



Product Specification

- Backlight Type: White LED
- Dot Pitch (W×H): 0.153 (H) X 0.153 (V)
- Driver Ic: ST7789V Or ILI9341V
- Size: 2.4inch
- Module Size: 42.72 (W) X 60.26 (L) X 2.6 (T)
- LCD Mode: TN/IPS/Normal White
- Display Type: TFT LCD
- Interface: MCU Or SPI
- Highlight: **240x320 Resolution TFT LCD Touch Screen, 6 O'clock Viewing Direction TFT Display, 180Cd/M2 Brightness LCD Touchscreen**



Product Description

2.4" TFT Display SPI Interface Display with ST7789 TFT LCD Resistive Touchscreen

Key Specifications

Resolution	240 × 320
Size	2.4 Inch
Viewing Direction	6 O'clock
TFT Mode	TFT, Transmissive
Outline Size	42.72 mm (W) × 60.26 mm (L) × 2.6 mm (T)
Brightness	180 Cd/M ²

Technical Parameters

Item	Nominal Dimension	Unit
Dot Matrix	240 x RGB x 320	Dots
Module Size (W×H×T)	42.72 (W) × 60.26 (L) × 2.6 (T)	mm
Dot Pitch (W×H)	0.153 (H) × 0.153 (V)	mm
Interface	MCU or SPI	-
Operating Temperature	-20 ~ 70	°C
Storage Temperature	-30 ~ 80	°C
IC Drive	ST7789V or ILI9341V	-
LCD Mode	TN/IPS/Normal White	-
Backlight Type	4 White LEDs in Parallel	PCS





Product Features

High-quality display: 2.4-inch diagonal with 240x320 resolution and 16-bit color (65K or 16.7M colors)

Bright visibility: Brightness approximately 200-800 cd/m² (varies by model)

Wide temperature range: Operating temperature -20 ~+70 , storage temperature -30 ~+80

SPI interface: 4-wire SPI (SCK, MOSI, MISO, CS) with optional DC, RST, and backlight control pins

Universal compatibility: Direct connection to STM32, Arduino, ESP32 and other microcontrollers

Advanced driver: ST7789/ST7789V chip supports high-speed refresh and color calibration

Resistive touch: Pressure-sensitive single-point touch that works with gloves

Compact design: Small form factor with FPC flexible ribbon cable for easy integration

Power efficient: Configurable rotation/mirror display with deep standby mode

Typical Applications

Industrial control equipment and smart home controllers

Instruments and meters for parameter setting and status monitoring

Handheld game consoles and mobile data terminals

STM32/ESP32/Arduino development and education

IoT device displays for sensor data visualization



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