

2.8 Inch 240x320 TFT LCD Display with MCU 8/16bit Interface and 262K Display Color

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO90001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.7-7USD
- Packaging Details: CARTON
- Delivery Time: 3-47WEEKS
- Payment Terms: T/T
- Supply Ability: 100000/MONTH



Product Specification

- Interface: MCU 8/16bit
- Viewing Direction: All
- Pixel Size: 0.18(H)x0.18(V)
- Dimensions: 50.00x69.20x2.30
- Display Color: 262k
- Drive IC: ST7789V
- Screen Size: 2.8inch
- Brightness: 300 Cd/m2
- Highlight: **MCU 8/16bit Interface TFT LCD Display ,
262K Display Color Small LCD Screen ,
43.20x57.60mm Display Area IPS LCD Panel**



Product Description

Full Color 2.8 Inch 240x320 Small TFT LCD Display RGB Screen IPS All Viewing

This 2.8-inch TFT LCD display features 240x320 resolution with IPS technology for wide viewing angles and accurate color reproduction. Ideal for industrial, medical, and consumer electronics applications.

Key Specifications

| Parameter | Value |
|--------------|------------------------|
| Screen Size | 2.8 Inch (diagonal) |
| Resolution | 240RGB(H) * 320(V) |
| Display Area | 43.20(H) * 57.60(V) mm |
| Brightness | 300 cd/m ² |
| Interface | MCU 8/16bit |
| Driver IC | ST7789V |

Detailed Technical Specifications

| Item | Specification | Unit |
|-----------------------|----------------------|------|
| Pixel Pitch | 0.18 * 0.18 | mm |
| Outline Dimension | 50.00 * 69.20 * 2.30 | mm |
| Pixel Arrangement | RGB Vertical Stripe | -- |
| Display Mode | Normally Black | -- |
| Viewing Direction | ALL | -- |
| Display Color | 262K | -- |
| Contrast Ratio | 500:1 | -- |
| Back-light | LED Side-light type | -- |
| Operation Temperature | -20 ~ 70 | |
| Storage Temperature | -30 ~ 80 | |



Product Features

IPS Technology: Wide viewing angles with minimal color deviation from any direction

High Resolution: 240*320 pixels with 0.18*0.18mm pixel pitch for sharp display

Multiple Interfaces: Supports SPI serial port and 8/16-bit MCU parallel port

Excellent Color: 262K color depth with accurate color reproduction

Wide Temperature Range: Operates from -20 to +70

High Brightness: 300 cd/m² brightness with 500:1 contrast ratio

Applications

Industrial Control: Automation equipment, instruments and meters

Smart Home: Smart door locks, appliance control panels

Consumer Electronics: MP3 players, electronic dictionaries, portable game consoles

Medical Equipment: Portable diagnostic devices, medical monitors

Frequently Asked Questions

Can I get a custom LCD display with different dimensions?

Yes, we can customize the LCD display based on your specifications. Please provide your drawing or sample for reference.

Can you modify the display type (e.g., from HTN to STN)?

Yes, we can change the display type according to your requirements.

What is the lead time for custom LCD modules?

Tooling typically takes 15-25 days after drawing confirmation and payment. Mass production takes 15-30 days.

Do you provide samples?

Yes, we can provide samples of our standard products for evaluation.



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