

10.1 Inch TFT LCD Screen with RGB Interface 300cd/m² Brightness and All Viewing Angle

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: RGB
- Size: 10.1 Inch
- Viewing Angle: All
- Brightness: 300cd/m²
- Pins Number: 40PINS
- Backlight Type: LED
- Lcd Type: TFT
- Touch Screen: Yes
- Highlight: **300cd/m² Brightness TFT LCD Screen ,
RGB Interface TFT Display ,
All Viewing Angle LCD Module**



10.1 Inch TFT Interfacing Touch Screen With Arduino 40 Pins

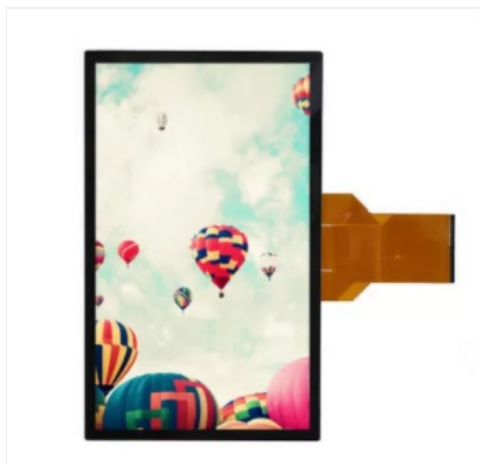
High-performance 10.1-inch TFT touchscreen display with Arduino 40-pin compatibility, designed for industrial and development applications.

Technical Specifications

Parameter	Value
Resolution	1024 (RGB) * 600
Size	10.1 Inch
Viewing Direction	All
TFT Mode	TFT, Transmissive

Detailed Specifications

Item	Content	Description
1	Display outline size	229.46 (W) * 149.2 (H) * 2.8 (D)
2	VA size	216.96 (W) * 135.6 (H)
3	Resolution	1024RGB * 600
4	With/Without Touch screen	RTP
5	Interface	RGB
6	Brightness	300cd/m ²
7	Color	16.7M
8	Pixel Pitch	0.2175 (W) * 0.2088 (H)





Product Overview

The 10.1-inch TFT interface touchscreen features a large display area with excellent image quality, designed for seamless integration with Arduino 40-pin development boards for human-machine interface applications.

Display Features

- High resolution TFT display with 16.7 million colors
- 300cd/m² brightness for clear visibility
- Wide viewing angle up to 80 degrees
- Capacitive touch support with multi-touch capability
- RGB interface for stable signal transmission
- Operating temperature range: -20 to 85

Arduino 40-Pin Connection

Connect the power pins (VCC, GND) to Arduino's power supply (5V or 3.3V). Interface the SPI communication pins (CS, RST, DC, MOSI, SCK) to Arduino's SPI interface. For touch functionality, connect touch interface pins (T_CLK, T_CS) to Arduino's digital pins.

Applications

- Human-machine interface for control panels and industrial equipment
- Data visualization for monitoring systems
- Educational tools for programming and electronics learning
- DIY projects and prototyping



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