

## 1.28 Inch Round TFT LCD Display with 240x240 Resolution GC9A01 Driver IC and SPI Interface

### 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

- Name: Round TFT LCD Display
- Touch Ic: ST1624i
- Panel Type: IPS
- Touch Screen: Yes
- Active Area: 32.4(W)\* 32.4(H) Mm
- Power Supply: 2.8-3.3V
- Viewing Angle: ALL
- Highlight: 1.28 Inch Round TFT LCD Display ,  
1.28 TFT Display ,  
1.28 Inch Round LCD IPS Display Module  
240240



## Product Description

### 1.28 Inch Round TFT LCD Display 240x240 GC9A01 24PIN FPC SPI Interface

This high-performance 1.28-inch circular IPS TFT LCD display features a 240x240 resolution with 262K color support, delivering vibrant and crisp visuals. The compact design with 24PIN FPC SPI interface ensures easy integration and efficient data transmission.

#### Display Features

- 1.28-inch circular IPS panel with 240x240 resolution
- 262K colors for rich, vivid display quality
- IPS technology provides 80-85° wide viewing angles
- High contrast ratio of 1000-1500:1 with pure black display
- Brightness options from 250-750 cd/m<sup>2</sup>
- Ultra-thin profile at 1.5-1.6mm thickness
- GC9A01 driver IC with integrated 129,600-byte GRAM
- 24PIN FPC interface with 3/4-line SPI serial interface
- Wide operating temperature: -20 to 70
- 8KV anti-static protection for enhanced stability
- Optional capacitive touch screen and scratch-resistant glass
- Compatible with 8051, Arduino, Raspberry Pi, and other microcontrollers

#### Technical Specifications

Product Name	1.28-inch RGB Color Circle TFT LCD Display
Display Mode	Normal black
Viewing Direction	All directions
Resolution	240x240 dots
Display Color	262K
Operating Temperature	-20 to +70
Storage Temperature	-30 to +80
FPC Connector	24 pins, ZIF type
Contrast Ratio	1100
Interface	4 SPI
Backlight Type	2 LEDs, White
Brightness	250 cd/m <sup>2</sup>
Outline Dimension	35.6(W) × 38.1(H) × 1.6(T) mm
Active Area	32.4(W) × 32.4(H) mm
Working Voltage	2.8-3.3V
Touch Panel	Optional

#### Application Areas

##### Wearable Devices

Ideal for smartwatches and fitness trackers, this circular display fits perfectly with product design aesthetics while clearly displaying time, heart rate, steps, and message notifications.

##### Internet of Things Terminal Devices

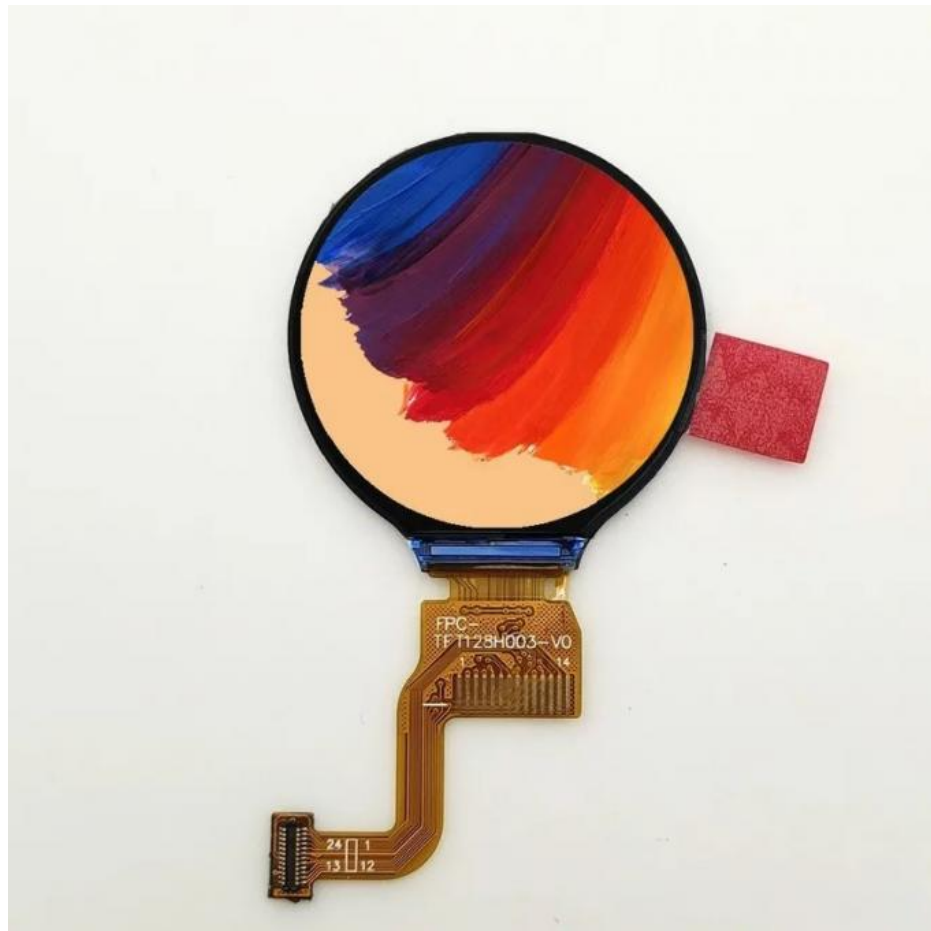
Suitable for smart home sensor nodes and industrial IoT monitoring devices. Displays real-time environmental data, device status, and operating parameters with compact size and simple interface.

### Small Consumer Electronics

Perfect for portable music players, mini electronic photo albums, and small game consoles, providing high-quality visual experiences with full-color display capabilities.

### Industrial Instruments and Meters

Compatible with miniaturized industrial instruments and measurement equipment, displaying critical data and alerts with excellent readability in various environmental conditions.





## Frequently Asked Questions

### Can you customize LCD displays with specific dimensions and display content?

Yes, we can customize LCD modules based on your specifications. Please provide your drawing or sample, and we'll recommend suitable options or create custom solutions.

### Do you offer smaller size displays with modified content?

For segment type LCD modules requiring size or content modifications, we can create new LCD glass modules with custom tooling.

### Can you change display types (HTN to STN)?

Yes, we can modify display types according to your requirements.

### What is the lead time for custom tooling?

Custom tooling typically takes 15-25 days after drawing confirmation and tooling charge payment.

### Do you provide samples for evaluation?

Yes, sample orders are available for product verification.

### What is your production lead time?

Standard products ship within one day if in stock. Mass production for custom orders takes 15-30 days.



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