

1.9 Inch 170x320 Resolution TFT LCD Display with SPI RGB Interface and IPS Full Viewing Angle

Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO9001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.7-7USD
- Packaging Details: CARTON
- Delivery Time: 3-4WEEKS
- Payment Terms: T/T
- Supply Ability: 100000/MONTH



Product Specification

- Luminance: 350 Cd/m²
- Product Type: TFT LCD Screen
- Viewing Direction: All Viewing Angle, IPS
- Touch Screen: Yes
- Interface Types: SPI / RGB (Customizable)
- Pin Number: 30 PIN
- Connect: Plugging
- Light Source: White LED
- Highlight: **1.9 Inch TFT LCD Display,
170x320 Resolution TFT Screen,
SPI RGB Interface LCD Display Module**

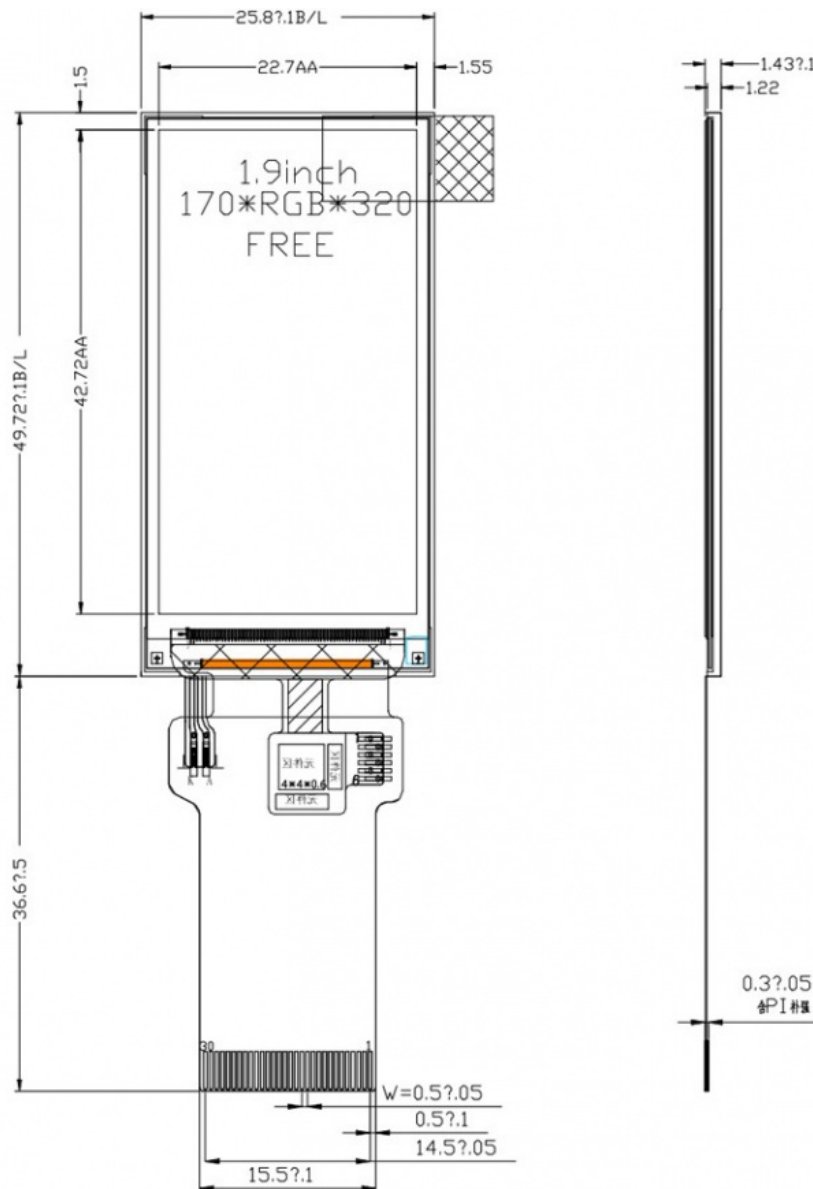


Product Description

1.9 Inch 170x320 ST7789V SPI RGB Interface TFT LCD Display

High-quality vertical screen color display module designed for small smart devices with IPS technology and wide viewing angles.

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|---------------------------|------------------------------|---------------------------|--------------------------------------|
| Product: | 1.9" TFT | Touch Screen: | Capacitive Touch Panel (CTP) |
| Resolution: | 170 × 320 | Viewing Direction: | IPS Full Viewing Angle (80/80/80/80) |
| Interface: | SPI / RGB | Outline Dimension: | 25.8 × 49.72 × 1.43 mm |
| Active Area: | 42.72 × 22.7 mm | Driver IC: | ST7789V or Equivalent |
| Pin Number: | 30 Pins | Connection: | Plugging (can be customized) |
| Surface Luminance: | 350 Cd/m ² (nits) | LED Lifetime: | 40,000 Hours |



Product Core Features

This vertical screen color display module is specifically designed for small smart devices using IPS transmissive structure with constant black display mode. It supports 262K full-color display with natural color reproduction and wide viewing angles (80° in all directions).

- 170×320 pixel resolution - ideal narrow long vertical screen for single-handed interaction
- ST7789V driver chip with SPI (4-wire) and RGB parallel interfaces
- Capacitive touch with CST816 touch IC supporting single-point precise touch
- 3.3V working voltage with low power consumption for battery-powered devices
- White LED backlight with adjustable brightness up to 400-550 cd/m²

Operating temperature range: -20 to +70 for various environments

Compact FPC flexible wiring with 1.4-1.6mm thickness for space-constrained applications

Core Application Scenarios

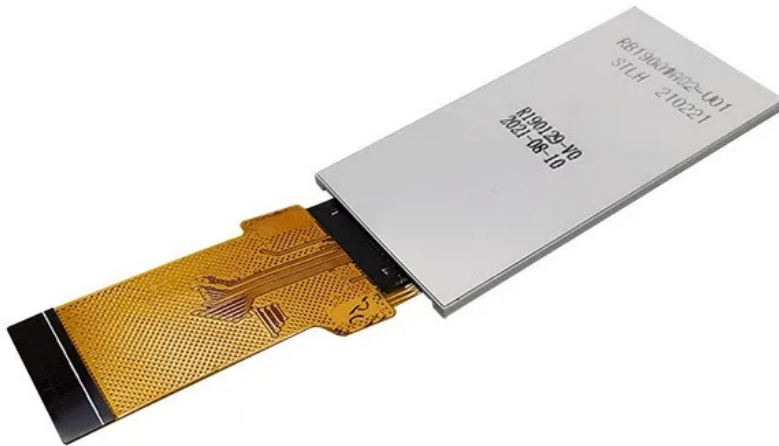
Smart Wearable Devices: Smart bracelets, watches, health monitors displaying heart rate, steps, and notifications

Portable Medical Instruments: Handheld blood glucose meters, blood oxygen meters, ECG monitors

Embedded Industrial/IoT Terminals: Smart home control panels, sensor displays, PLC interfaces

Consumer Electronics: Mini MP3/MP4 players, electronic dictionaries, translation pens

Automotive Applications: Vehicle tire pressure monitors, dashcam secondary screens, remote control displays



Frequently Asked Questions

I want the LCD display 8 digits and the outline size is 65x30x2.8mm. Is this possible?

Yes, please send us your specifications or drawing. If you don't have specifications, provide samples and we'll recommend suitable products or customize based on your requirements.

This LCD is what we want, but it's too big. Do you have smaller sizes? The display content needs minor changes.

For segment type LCD modules requiring size or content modifications, new LCD glass modules are needed. We can create new tooling for you.

This LCD display is HTN type, but I want STN type. Can you make it?

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

I want to customize a new LCD module. Can you do this?

Yes, please send your drawing. If unavailable, provide outline size, display information, glass thickness, polarizer, display type, connector mode, temperature specifications, supply voltage, viewing direction, and drive conditions.

What is the lead time for tooling?

Typically 15-25 days after drawing confirmation and tooling charge payment. We'll provide exact timing upon drawing confirmation.

Can you send samples for checking?

Yes, sample orders are available.

What is the lead time?

For standard products in stock: 1 day after payment. For mass production of special products: 15-30 days. We'll inform you if we can finish earlier.



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