

3.97 Inch IPS TFT LCD Display with MCU 16bit Interface 16.7M Colors and NT35510 Driver IC

Our Product Introduction

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

- Resolution: 480*800 Pixels
- Product Type: IPS TFT LCD Screen
- Screen Type: TFT
- Screen Size: 3.97 Inches
- Interface: MCU16 Bit
- Light Source: White LED*8
- Colors: 16.7M
- Aspect Ratio: 16:9
- Highlight: **MCU 16bit interface IPS TFT LCD Display , 16.7M colors TFT LCD Screen , NT35510 driver IC LCD Display Module**



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3.97inch MCU 16bit IPS TFT LCD Display With Capacitive Touch Panel



Key Specifications

Display Size	3.97 Inch
Resolution	480RGB × 800
Viewing Angle	12 O'Clock
Interface	MCU16 Bit
Driver IC	NT35510

Detailed Dimensions

Component	Dimensions (mm)
LCM Dimensions	57.14 × 96.85 × 2.30
CTP Dimensions	57.86 × 97.70 × 1.38
Assembly Dimensions	57.86 × 97.70 × 3.93

Display Characteristics

- IPS Technology:** Wide viewing angle (80° typical) with consistent color and contrast
- Color Depth:** 16.7 million colors for realistic image reproduction
- Brightness:** 380Cd/m² for clear visibility in most environments
- Contrast Ratio:** 800:1 for excellent light/dark differentiation
- Response Time:** 35ms for smooth image transitions

Capacitive Touch Panel Features

- Technology:** Projected capacitive (5-point multi-touch)
- Transparency:** ≥85% for clear display visibility
- Surface Hardness:** ≥6H for scratch resistance
- Structure:** G+F+F (glass + film + film)
- Interface:** IIC for easy system integration

Environmental Specifications

Compliant with RoHS environmental standards for reduced environmental impact.

Temperature Range	Specification
Operating Temperature	-20 to 70
Storage Temperature	-30 to 80



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