



3.5 Inch IPS TFT LCD Display Module 640x480 SPI High Brightness for Industrial HMI

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: chenghao optoelectronic
- Certification: RoHS & CE & FCC
- Model Number: CH350VG02A
- Minimum Order Quantity: 100 pcs
- Price: Contact us for quotation
- Packaging Details: Standard Export Package
- Delivery Time: 7-15 work days
- Payment Terms: T/T
- Supply Ability: 300,000 pieces/month



Product Specification

- Module No: CH350VG02A
- Display Mode: IPS / Transmissive / Normally Black
- Screen Size: 3.5 Inch
- Resolution: 640 X 480 Dots
- Viewing Direction: 80/80/80/80 (All View)
- Screen Brightness: 1000 Cd/m2
- Module Interface: SPI
- FPC Pin Numbers: 54 Pins
- Operating Temperature: -20 ~ +70°C
- Storage Temperature: -30 ~ +80°C
- Module Size: 76.9 X 63.9 Mm
- Active Area Size: 70.08 X 52.56 Mm
- Highlight: **3.5 inch IPS TFT LCD display, 640x480 SPI LCD module, high brightness industrial HMI display**



More Images



Product Features

Product Drawing



Item	Value
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Module Name	3.5 Inch IPS TFT LCD Module
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Active Area Size	70.08 x 52.56 mm
Touch Type	No Touch

Customized Introduction

Chenghao provides customized display module services for TFT LCD modules, mono LCD displays, color OLED modules, and mono OLED modules. Customization covers FPC layout and pin configuration, interface selection including SPI, MCU, RGB, MIPI, LVDS, EDP and HDMI, brightness levels from standard 200 to 300 cd/m2 up to high brightness above 500 cd/m2, capacitive touch, resistive touch, or no touch options, anti glare surface treatment, and glass cover design with customized thickness, shape, color, and silk printing. This 3.5 inch IPS module can be adapted with custom cover glass and AG treatment, and similar customization is available for customer projects with short lead time and stable mass production quality.

Application Cases

Outdoor kiosk terminals: The 1000 cd/m2 brightness keeps the interface readable under direct sunlight.

Industrial HMI panels: The wide viewing direction and temperature range support reliable operation on factory floors.

Instrumentation displays: The SPI interface and compact outline simplify integration into measurement and control equipment.

PRODUCT FAQ FAQ

Q1: What interface does this module support?

It supports an SPI interface with a 54 pin FPC.

Q2: Can the brightness be customized?

Yes, brightness can be adjusted from standard levels to above 500 cd/m2 according to the application.

Q3: Is the module available with touch?

This version is no touch, and capacitive or resistive touch can be offered for other models.

Q4: What is the operating temperature range?

It operates from -20 to +70 degrees Celsius and can be stored from -30 to +80 degrees Celsius.



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