



## SPI RGB MCU Multiple Interface TFT Lcd Screen 2.4 Inch Capacitive Touch Panel

### Our Product Introduction

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#### Basic Information

- Place of Origin: China Shenzhen
- Brand Name: Chenghao Optoelectronic
- Certification: RoHS CE、FCC
- Model Number: CH240QV52A-CTD
- Minimum Order Quantity: 100 pcs
- Packaging Details: All the products are packed in right way to keep it safe. For small sizes of products we use tray + carton, For bigger sizes we use foam slot + carton. we also design packages according to customers' requirements
- Delivery Time: 3~7 Days
- Payment Terms: TT
- Supply Ability: 300K pcs/month



#### Product Specification

- Product Name: TFT Lcd Screen 2.4 Inch
- Storage Temperature: -30 ~ +80
- Operating Temperature: -20 ~ +70
- Luminance: 280 Cd/m2
- Touch Type: Capacitive
- Resolution: 240\*320 Dots
- Viewing Direction: 80/80/80/80
- Display Mode: IPS / Transmissive / Normally Black
- Lcd Interface: SPI + RGB + MCU
- Highlight: **SPI RGB MCU TFT Lcd Screen ,  
Capacitive Touch Panel TFT Lcd Screen ,  
2.4 Inch TFT Lcd Screen**



#### More Images





## Product Description

### Product Description:

CH240QV52A-CTD is a small LCD touch screen developed by Chenghao Optoelectronics specifically for 86 boxes. The touch screen has an effective display area of 2.4 inches and can display 240\*320 pixel color images. It supports SPI, MCU, RGB and other interfaces to communicate with external devices. The display uses IPS/Transmissive/normally black display mode and supports 80/80/80/80 free viewing angles.

In terms of touch function, the LCD touch screen adopts a capacitive touch glass cover design with a thickness of only 1.1mm and has a sensitive screen touch sensing function.

The display has a service life of up to 30,000 hours and excellent stability. It can run smoothly in an environment of -20~+70 , complies with RoHS standards, and is halogen-free.

### Features:

CH240QV52A-CTD is a small-size LCD touch screen module that has been specially designed for home appliances. This module is tailored to meet the specific requirements of users. The CH240QV52A-CTD has a lot of features that make it an ideal choice for customers looking for a high-quality LCD touch screen module.

One of the unique features of the CH240QV52A-CTD is its customized appearance. Chenghao Optoelectronic has designed a square touch glass cover that fits seamlessly on the customer's 86-box device. The black glass cover has a thickness of 1.1 mm and is based on the equipment parameters provided by the customer. With this customized glass cover, the CH240QV52A-CTD looks aesthetically pleasing and merges perfectly with the device.

The LCD touch screen module has been designed to support a wide temperature environment. It can operate stably in a wide temperature range between -20 and +70 . It adapts to many application environments with a large temperature difference between day and night. This feature ensures that the module remains operational irrespective of the environmental conditions it's exposed to.

In order to meet the customer's needs for human-computer interaction of the device, we have installed a capacitive touch sensing panel for this display module. The touch panel can communicate and interconnect with the customer's 86-box device through the I2C interface. This feature enhances the user's experience by providing a seamless interface with the device.

### Technical Parameters:

Resolution	240*320 Dots
Luminance	280 Cd/m2
Operating Temperature	-20 ~ +70
Display Mode	IPS / Transmissive / Normally Black
Storage Temperature	-30 ~ +80
Touch Type	Capacitive
Viewing Direction	80/80/80/80
Touch Panel Interface	I2C
Lcd Interface	SPI + RGB + MCU

