# 240\*320 Small Custom LCD Display Module 2.4 Inch Color TFT Lcd Screen For 86 Boxes

## Basic Information

• Place of Origin: China Shenzhen

• Brand Name: Chenghao Optoelectronic

• Certification: RoHS CE FCC CH240QV52A-CTD • Model Number:

• Minimum Order 100 pcs

Quantity:

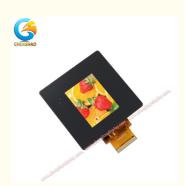
 Packaging Details: All the products are packed in right way to

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:

• Supply Ability: 300K pcs/month

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### **Product Specification**

• Product Name: Small Custom Lcd Display Module IPS / Transmissive / Normally Black • Display Mode:

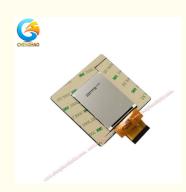
• Operating Temperature: -20 ~ +70°C

• Touch Panel Interface: I2C

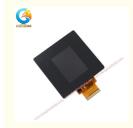
• Storage Temperature: -30 ~ +80°C • Resolution: 240\*320 Dots SPI + RGB + MCU Lcd Interface: • Luminance: 280 Cd/m2 Viewing Direction: 80/80/80/80

• Highlight: 2.4 Inch Color TFT Lcd Screen

Small Custom Lcd Display Module, 240\*320 LCD Display Module



### More Images

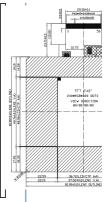


## **Product Description**

# **Product Description:**

Chenghao Optoelectronics has designed the CH240QV52A-CTD, a compact LCD touch screen designed for 86-box. The touch screen has a 2.4-inch active area, can display detailed 240°320 pixel color images, the screen's optimal viewing angle is 80/80/80/80, the brightness is 280 cd/m2 Luminance, and supports multiple interfaces such as SPI, MCU and RGB. If the customer needs it, the interface type can be redefined according to the customer's needs.

This LCD touch screen is equipped with a 1.1mm thick capacitive touch glass cover, which can perfectly fit the customer's 86-box device. The screen has a service life of up to 30,000 hours, ensuring durability and can operate smoothly in a wide temperature environment of -20~+70°C. In addition, the CH240QV52A-CTD is RoHS compliant and halogen-free, making it an environmentally friendly choice for any user.



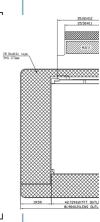
### Features:

The CH240QV52A-CTD is a small-sized LCD touch screen module that has been designed specifically for home appliances. This advanced module comes with a range of features that make it stand out from other touch screen modules available on the market.

Firstly, the customized appearance of this module is one of its most prominent features. Chenghao Optoelectronic has designed a sleek, square touch glass cover for the CH240QV52A-CTD. This cover is only 1.1 mm thick, and has been tailored to match the equipment parameters provided by the customer. This means that the CH240QV52A-CTD can fit seamlessly and perfectly onto the customer's 86-box device, providing a sleek and integrated final design.

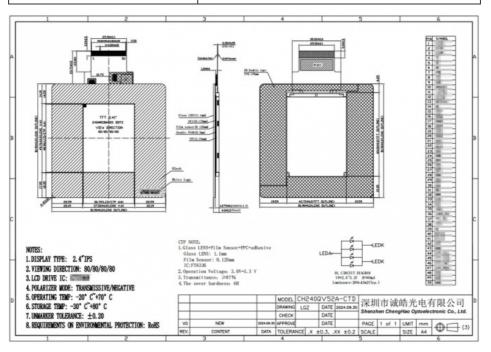
Secondly, this touch screen module has been designed to work in a wide range of temperatures. With a temperature range of 20°C ~ +70°C, the CH240QV52A-CTD can easily operate in a variety of application environments with extreme temperature fluctuations over the course of a day and night.

Finally, the CH240QV52A-CTD offers advanced touch screen functionality. The module is equipped with a capacitive touch sensing panel that enables users to interact with the device in a more intuitive and user-friendly way. With the I2C interface, the touch panel can easily communicate and interconnect with the customer's 86-box device, providing seamless touch screen functionality.



## **Technical Parameters:**

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



### **Applications:**

The CH240QV52A-CTD is a highly versatile LCD touch screen display module designed for use mainly in home appliances. However, the module's performance parameters and touch glass cover can be modified and customized by Chenghao Optoelectronic manufacturers for use in a wide range of industries. These industries include but are not limited to industrial equipment, instrumentation, medical equipment, artificial intelligence, Internet of Things equipment, and automotive equipment.

With its customizable nature, manufacturers can configure the module according to their specific requirements and integrate it into various

home appliances, making it ideal for use in the modern-day home.

When used in industrial equipment and instrumentation, the CH240QV52A-CTD delivers accurate and reliable results, making it ideal for process control, automation, and quality assurance applications. Similarly, its performance parameters make it well-suited for use in medical and AI equipment, where reliability, precision, and accuracy are critical for enhancing the overall performance.

Overall, the CH240QV52A-CTD is a highly versatile module that can be customized to meet the unique requirements of various industries, making it an excellent choice for manufacturers looking to add value to their products.

### FAQ:

- Q: What is the brand name of this product?
- A: The brand name of this product is Chenghao Optoelectronic.
- Q: What is the model number of this product?
- A: The model number of this product is CH240QV52A-CTD.
- Q: Where is this product made?
- A: This product is made in China Shenzhen.
- Q: What certifications does this product have?
- A: This product has RoHS, CE, and FCC certifications.
- Q: What is the delivery time for this product?
  A: The delivery time for this product is 3~7 days.



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