

2.8 Inch LCD Display Module - 240*320 Small TFT LCD Touch Screen With IPS Technology

Our Product Introduction

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Basic Information

- Place of Origin: China Shenzhen
- Brand Name: Chenghao Optoelectronic
- Certification: RoHS CE FCC
- Model Number: CH280QV22F-CT
- 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: 2.8 Inch LCD Display Module
- Touch Panel Interface: I2C
- Resolution: 240*320 Dots
- Brightness: 300 Cd/m2
- LCD Interface: SPI+RGB+MCU
- Touch Panel Type: Capacitive
- Display Mode: IPS /transmissive/ Normally Black
- Operating Temperature: -20 ~ +70 °C
- Viewing Direction: 80/80/80/80
- Highlight: 2.8 Inch LCD Display Module, 240*320 TFT LCD Touch Screen, IPS Small TFT LCD Touch Screen



More Images





Product Description

Product Description:

CH280QV22F-CT Display Module

The **CH280QV22F-CT** is a high-performance 2.8-inch IPS TFT LCD touch display module designed for a variety of application scenarios. With a resolution of **240x320**, it provides clear and delicate image display. The display mode is IPS/transmissive/normally black, supporting 80/80/80/80 free viewing angles for excellent color performance and viewing angle stability.

Featuring a brightness of **300 cd/m²**, this module is suitable for use under various lighting conditions. The external size is **50*69.2*4 mm** with an active area of **43.2*57.6 mm**, making it ideal for integration in compact devices.

CH280QV22F-CT supports **SPI**, **RGB**, and **MCU** interfaces for easy connection with other devices. Additionally, it comes with a capacitive touch panel with an **I2C** touch interface, enhancing the user interaction experience.

For environmental adaptability, the operating temperature range is **-20°C to +70°C**, and the storage temperature range is **-30°C to +80°C**, ensuring stable operation in various industrial and outdoor environments.

Features:

Display size: The module adopts a 2.8-inch display screen, which is suitable for a variety of compact devices.

Resolution: The resolution is 240x320 pixels, providing clear image display.

Display mode: The module adopts IPS/transmissive/normally black display mode to ensure excellent color performance from different viewing angles.

Brightness: The brightness level is 300 cd/m², which is suitable for use in low-light environments such as indoors.

Interface type: The module supports SPI, RGB and MCU interfaces, which is convenient for connection with other devices.

Touch panel: Equipped with a capacitive touch panel, the touch interface is I2C, which enhances user interaction.

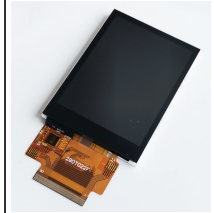
Operating temperature range: The module operates reliably in the temperature range of -20°C to +70°C, suitable for various industrial and outdoor environments.

Storage temperature range: The storage temperature range is -30°C to +80°C, ensuring reliability under extreme conditions.

Customization service: Customization options can be provided according to customer requirements, including adjusting the FPC shape and interface type.

Wide range of applications: The module can be widely used in industrial control, smart home applications, medical equipment and IoT devices to meet diverse customer needs.

These features make the CH280QV22F-CT a powerful and versatile display module suitable for a variety of application scenarios.



Technical Parameters:

LCD Interface	SPI+RGB+MCU
Display Mode	IPS /transmissive/ Normally Black
Touch Panel Interface	I2C
Operating Temperature	-20 ~ +70 °C
Viewing Direction	80/80/80/80
Touch Panel Type	Capacitive
Storage Temperature	-30 ~ +80 °C

transportation. Here is a detailed explanation of our packing and shipping process:

Packaging Materials that Meet Export Standards: All shipping boxes are designed to meet export hardness standards, ensuring they can withstand external pressure and impacts during long-distance transport, thus protecting the integrity of the internal products.

Internal Protection Measures: To prevent damage to the display module during shipping, our packaging includes foam padding inside the boxes. This cushioning material effectively absorbs shocks and ensures the product remains safe throughout the shipping process.

Multi-layer Packaging Design: We utilize a large box containing smaller boxes for packaging. This design not only saves space but also enhances the protection of the products.

Use of Pallets or Wooden Frames: During the shipping process, we employ pallets or wooden frames to support and secure the goods, ensuring that there is no shifting or tilting during transport, which further reduces the risk of damage.

Custom Packaging for Clients: We also offer customized packaging services based on customer requirements. If clients have specific packaging needs, we can adjust accordingly to meet their expectations.

Quality Inspection Before Shipment: All products undergo rigorous quality checks and testing before shipment to ensure that each module meets our high standards. This process helps minimize potential issues that customers may encounter upon receiving the product.

Logistics Partnerships: We maintain long-term partnerships with several express logistics companies. Due to our large export volume, these logistics companies can provide us with discounts, which helps lower shipping costs and offers more competitive pricing to our customers.

Through these carefully designed packing and shipping processes, we ensure that the CH280QV22F-CT display module is delivered safely and promptly to our customers, meeting their high expectations for product quality and service.

FAQ:

What industries can utilize the CH280QV22F-CT display module?

The CH280QV22F-CT is versatile and can be used in various industries, including industrial control, smart home applications, medical devices, and Internet of Things (IoT) equipment. Its adaptability makes it suitable for a wide range of applications.

What is the minimum order quantity (MOQ) for the CH280QV22F-CT?

The minimum order quantity for the CH280QV22F-CT is typically set at 100 pieces. This MOQ allows us to provide competitive pricing and efficient production for our customers.

Are there any specific certifications for the CH280QV22F-CT?

Yes, the CH280QV22F-CT display module complies with various industry standards and certifications, ensuring its quality and reliability for use in professional applications.

How can I place an order for the CH280QV22F-CT?

Orders can be placed directly through our website or by contacting our sales team. We offer factory wholesale pricing and support sample requests for customers looking to evaluate the product before making a larger purchase.

What should I do if I encounter issues with the CH280QV22F-CT after purchase?

If you encounter any issues with the CH280QV22F-CT after purchase, please contact our after-sales service team. They will assist you in troubleshooting the problem and provide solutions to ensure your satisfaction with the product.



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