

240*320 2.8" Lcd Display Module -20 +70 °C Wide-temp Full Color Tft Screen

Our Product Introduction

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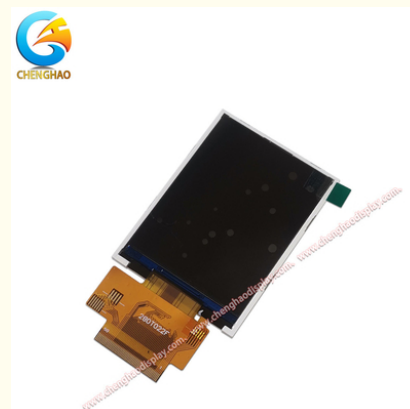
Basic Information

- Brand Name: Chenghao Optoelectronic
- Certification: CE, ISO9001, Rose, SGS
- Model Number: CH280QV22F
- 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: T/T, AliPay, PayPal
- Supply Ability: 50000000 Pcs/month



Product Specification

- Resolution: 240x320 Dots
- Module Type: 2.8" TFT
- Operating Temperature: -20 ~ +70 °C
- Active Area Size: 43.2*57.6 Mm
- Module Size: 50*69.2*2.4 Mm
- FPC Pin Numbers: 50 Pins
- Storage Temperature: -30 ~ +80 °C
- Contrast: 800



More Images





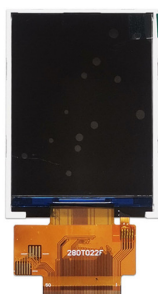
Product Description

Product Description:

The CH280QV22F is a high-performance 2.8-inch TFT LCD display module designed for a variety of embedded applications. With a resolution of 240x320, the module provides clear and detailed image display, suitable for a variety of devices that require high visual quality. It uses advanced IPS (In-Plane Switching) technology to ensure wide viewing angle color performance, allowing users to get a consistent visual experience at different angles.

The display module has a compact design with dimensions of 50mm x 69.2mm x 2.4mm, which is easy to integrate into various devices. The CH280QV22F has a brightness of 300 cd/m², ensuring good readability in different indoor environments, suitable for indoor and outdoor use. Its operating temperature range is -20°C to +70°C, and the storage temperature can reach -30°C to +80°C, enabling it to operate stably in various environmental conditions to meet the needs of industrial and consumer electronics.

The CH280QV22F supports multiple interface types, including SPI, MCU and RGB, which facilitates connection with different controllers. This flexibility enables the module to be widely used in many fields such as industrial control, medical equipment, smart home and IoT devices. Whether it is displaying real-time data in industrial automation systems or providing user interaction interfaces in smart home products, CH280QV22F can meet the needs of different applications.



In addition, Chenghao Optoelectronic also provides customers with a variety of customized services, which can adjust FPC shape, backlight brightness and touch panel design according to specific needs. This customization capability enables CH280QV22F to better adapt to customers' specific application scenarios and provide users with greater flexibility and convenience.

In short, CH280QV22F has become an indispensable display solution in various industries with its excellent performance, wide application potential and customization options, which can effectively improve the user experience and functional performance of the device.

Features:

- (1) Display technology: CH280QV22F adopts IPS (In-Plane Switching) technology, providing excellent color performance and wide viewing angle, ensuring that users can clearly view content at different angles.
- (2) Resolution: The module has a resolution of 240x320, which can present delicate images and clear text, suitable for a variety of application needs.
- (3) Brightness: The brightness is up to 300 cd/m², ensuring good readability under different brightness conditions indoors.
- (4) Operating temperature range: CH280QV22F has an operating temperature range of -20°C to +70°C, making it suitable for stable operation in various environmental conditions to meet the needs of industrial and consumer electronics.
- (5) Storage temperature range: The storage temperature can reach -30°C to +80°C, ensuring that it is not affected by temperature changes during storage and is suitable for long-term storage.
- (6) Interface type: Supports multiple interface types, including SPI, MCU and RGB, providing flexible connection options and convenient compatibility with different controllers.
- (7) Module size: The display module measures 50mm x 69.2mm x 2.4mm, with a compact design that is easy to integrate into a variety of devices, especially suitable for space-constrained applications.
- (8) Customization options: Chenghao Optoelectronic offers a variety of customization services, including FPC shape, backlight brightness and touch panel design, to meet customers' specific needs and application scenarios.
- (9) Color performance: CH280QV22F supports 16M color display, which can present rich colors and enhance the visual experience.
- (10) Durability: The module is designed to be rugged and suitable for use in various harsh environments to ensure long-term stable performance.

In terms of packaging and delivery, the CH280QV22F display module follows strict standards to ensure the safety and integrity of the product during transportation. First of all, all shipping boxes meet the export hardness standards and can withstand various pressures and impacts during long-distance transportation to ensure that the internal products are not damaged.

In order to further protect the display module, each box is filled with foam material, which can effectively prevent the screen from being damaged by collision or extrusion during transportation. In addition, the product packaging adopts the method of packing small boxes in large boxes, which is convenient for saving space during transportation and storage, and also increases the safety of the product. The weight of each packaging box does not exceed 3.5 kg. This design is easy to carry and load, reducing the risk during transportation. According to the specific transportation needs, Chenghao Optoelectronic will also use pallets or wooden racks to fix the goods to ensure that there will be no sliding or tilting during transportation, further ensuring the safety of the product.

In terms of delivery, Chenghao Optoelectronic has established cooperative relationships with many logistics companies to provide efficient transportation services. Customers can choose the appropriate transportation method according to their needs to ensure that the product can be delivered in time. In addition, the company also provides customized packaging services, which can adjust the packaging method according to the specific requirements of customers to meet different transportation needs.

In short, the packaging and shipping process of CH280QV22F is designed to minimize transportation risks and ensure that every customer receives an intact product. Through strict quality control and flexible logistics solutions, Chenghao Optoelectronic is committed to providing customers with the best service experience.

FAQ:

Q: What is the brand name of the TFT LCD Display?

A: The brand name is Chenghao Optoelectronic.

Q: What is the model number of the TFT LCD Display?

A: The model number is CH280QV22F.

Q: What certifications does the TFT LCD Display have?

A: The TFT LCD Display is certified with CE, ISO9001, Rose, and SGS.

Q: What is the minimum order quantity for the TFT LCD Display?

A: The minimum order quantity is 100 pieces.

Q: What are the packaging details for the TFT LCD Display?

A: All the products are packed in the right way to keep them safe. For small sizes, we use tray + carton; for bigger sizes, we use foam slot + carton. We also design packages according to customers' requirements.



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